

AP-110

FACILITY-WIDE
GW MONITORING
REPORT
2 OF 2

APRIL 2016

Attachment B
Explanation of QC Qualifier Codes

Qualifier	Meaning
J	(EPA) - Estimated value below the lowest calibration point. Confidence correlates with concentration.
J2	Surrogate recovery limits have been exceeded; values are outside lower control limits
J4	The associated batch QC was outside the established quality control range for accuracy.
T8	(ESC) - Additional method/sample information: Sample(s) received past/too close to holding time expiration.

Qualifier Report Information

ESC utilizes sample and result qualifiers as set forth by the EPA Contract Laboratory Program and as required by most certifying bodies including NELAC. In addition to the EPA qualifiers adopted by ESC, we have implemented ESC qualifiers to provide more information pertaining to our analytical results. Each qualifier is designated in the qualifier explanation as either EPA or ESC. Data qualifiers are intended to provide the ESC client with more detailed information concerning the potential bias of reported data. Because of the wide range of constituents and variety of matrices incorporated by most EPA methods, it is common for some compounds to fall outside of established ranges. These exceptions are evaluated and all reported data is valid and useable "unless qualified as 'R' (Rejected)."

Definitions

Accuracy - The relationship of the observed value of a known sample to the true value of a known sample. Represented by percent recovery and relevant to samples such as: control samples, matrix spike recoveries, surrogate recoveries, etc.

Precision - The agreement between a set of samples or between duplicate samples. Relates to how close together the results are and is represented by Relative Percent Difference.

Surrogate - Organic compounds that are similar in chemical composition, extraction, and chromatography to analytes of interest. The surrogates are used to determine the probable response of the group of analytes that are chemically related to the surrogate compound. Surrogates are added to the sample and carried through all stages of preparation and analyses.

TIC - Tentatively Identified Compound: Compounds detected in samples that are not target compounds, internal standards, system monitoring compounds, or surrogates.

Quality Control Summary

SDG: L753137

TRC Solutions - Austin, TX

Test: Anions by Method 9056
Project No: 227000
Project: Lovington Lea Refinery
Collection Date: 3/9/2015
Analysis Date: 3/16/2015 10:26:00 PM
Instrument ID: IC-10
Sample Numbers: L753137-01, -02, -03, -04

Matrix: Water - mg/L
EPA ID: TN00003
Analytic Batch: WG776045
Analyst: 236

Method Blank

Analyte	CAS	PQL	MDL	Qualifier
Chloride	16887-00-6	< 1.00	< 0.0519	
Fluoride	16984-48-8	< 0.100	< 0.00990	
Sulfate	14808-79-8	< 5.00	< 0.0774	

Laboratory Control Sample (LCS)

Analyte	Dil	True Value	Found	% Rec	Control Limits	Qual
Chloride	1	40	39.903	100	90 - 110	
Fluoride	1	8	8.0684	101	90 - 110	
Sulfate	1	40	40.475	101	90 - 110	

Laboratory Control Sample Duplicate (LCSD)

Analyte	Dil	True Value	Found	% Rec	Control Limits	Qual
Chloride	1	40	39.906	100	90 - 110	
Fluoride	1	8	8.0656	101	90 - 110	
Sulfate	1	40	40.490	101	90 - 110	

Laboratory Control Sample / Laboratory Control Sample Duplicate

Analyte	Dil	Spike	LCS	% Rec	LCSD	% Rec	Control Limits	% Rec Qual	Control RPD Limits	Qual
Chloride	1	40	39.903	100	39.906	100	90 - 110	0	20	
Fluoride	1	8	8.0684	101	8.0656	101	90 - 110	0	20	
Sulfate	1	40	40.475	101	40.490	101	90 - 110	0	20	

Quality Control Summary

SDG: L753137

TRC Solutions - Austin, TX

Test: Anions by Method 9056
Project No: 227000
Project: Lovington Lea Refinery
Collection Date: 3/9/2015
Analysis Date: 3/16/2015 10:26:00 PM
Instrument ID: IC-10
Sample Numbers: L753137-01, -02, -03, -04

Matrix: Water - mg/L
EPA ID: TN00003
Analytic Batch: WG776045
Analyst: 236

Sample Duplicate

L753187-05

Analyte	Dil	Sample Result	DUP Result	% RPD	Limit	Qualifier
Chloride	1	4.4585	4.5058	1	20	
Fluoride	1	0.2818	0.2797	1	20	
Sulfate	1	43.663	43.616	0	20	

Sample Duplicate

L753169-07

Analyte	Dil	Sample Result	DUP Result	% RPD	Limit	Qualifier
Chloride	1	11.453	11.331	1	20	
Fluoride	1	<0.0099	<0.0099		20	
Sulfate	1	7.4175	7.4226	0	20	

Matrix Spike / Matrix Spike Duplicate

L753152-02

Analyte	Dil	Spike Value	Sample MS	% Rec	MSD	% Rec	Control Limits	% Rec Qual	RPD	Control Limits	RPD Qual
Chloride	1	50	0.0637	51.449	103	50.096	100	80 - 120	3	20	
Fluoride	1	5	<0.0099	5.1585	103	5.0419	101	80 - 120	2	20	
Sulfate	1	50	<0.0774	51.775	104	50.225	100	80 - 120	3	20	

Quality Control Summary

SDG: L753137

TRC Solutions - Austin, TX

Test: Alkalinity by Method 2320 B-2011

Project No: 227000

Project: Lovington Lea Refinery

Collection Date: 3/9/2015

Analysis Date: 3/17/2015 8:59:00 AM

Instrument ID: TITRATION

Sample Numbers: L753137-01, -02, -03, -04

Matrix: Water - mg/L

EPA ID: TN00003

Analytic Batch: WG776173

Analyst: 239

Method Blank

Analyte	CAS	PQL	MDL	Qualifier
Alkalinity		< 20.0	< 2.61	

Laboratory Control Sample (LCS)

Analyte	Dil	True Value	Found	% Rec	Control Limits	Qual
Alkalinity	1	100	104	104	85 - 115	

Laboratory Control Sample Duplicate (LCSD)

Analyte	Dil	True Value	Found	% Rec	Control Limits	Qual
Alkalinity	1	100	103	100	85 - 115	

Laboratory Control Sample / Laboratory Control Sample Duplicate

Analyte	Dil	Spike	LCS	% Rec	LCSD	% Rec	Control Limits	% Rec Qual	Control RPD % RPD	Control RPD Limits	Control RPD Qual
Alkalinity	1	100	104	104	103	100	85 - 115	0.97	20		

Quality Control Summary

SDG: L753137

TRC Solutions - Austin, TX

Test: Alkalinity by Method 2320 B-2011

Project No: 227000

Project: Lovington Lea Refinery

Collection Date: 3/9/2015

Analysis Date: 3/17/2015 8:59:00 AM

Instrument ID: TITRATION

Sample Numbers: L753137-01, -02, -03, -04

Matrix: Water - mg/L

EPA ID: TN00003

Analytic Batch: WG776173

Analyst: 239

Sample Duplicate

L752960-06

Analyte	Dil	Sample Result	DUP Result	% RPD	Limit	Qualifier
Alkalinity	1	65	63.2	2.81	20	

Sample Duplicate

L753212-01

Analyte	Dil	Sample Result	DUP Result	% RPD	Limit	Qualifier
Alkalinity	1	87	87.6	0.69	20	

Matrix Spike / Matrix Spike Duplicate

L752960-07

Analyte	Dil	Spike Value	Sample	MS	% Rec	MSD	% Rec	Control Limits	% Rec Qual	RPD	Control Limits	RPD Qual
Alkalinity	1	100	140	220	80	220	80	80 - 120		0	20	

Quality Control Summary

SDG: L753137

TRC Solutions - Austin, TX

Test: Nitrate-Nitrite by Method 353.2

Project No: 227000

Project: Lovington Lea Refinery

Collection Date: 3/9/2015

Analysis Date: 3/21/2015 5:58:00 AM

Instrument ID: LACHAT5

Sample Numbers: L753137-01, -02, -03, -04

Matrix: Water - mg/L

EPA ID: TN00003

Analytic Batch: WG776789

Analyst: 578

Method Blank

Analyte	CAS	PQL	MDL	Qualifier
Nitrate-Nitrite	7727-37-9	< 0.100	< 0.0197	

Laboratory Control Sample (LCS)

Analyte	Dil	True Value	Found	% Rec	Control Limits	Qual
Nitrate-Nitrite	1	5	4.98	99.6	90 - 110	

Laboratory Control Sample Duplicate (LCSD)

Analyte	Dil	True Value	Found	% Rec	Control Limits	Qual
Nitrate-Nitrite	1	5	4.82	96.4	90 - 110	

Laboratory Control Sample / Laboratory Control Sample Duplicate

Analyte	Dil	Spike	LCS	% Rec	LCSD	% Rec	Control Limits	% Rec Qual	Control RPD % RPD	Control RPD Limits	Control RPD Qual
Nitrate-Nitrite	1	5	4.98	99.6	4.82	96.4	90 - 110	3.27	20		

Quality Control Summary

SDG: L753137

TRC Solutions - Austin, TX

Test: Nitrate-Nitrite by Method 353.2

Project No: 227000

Project: Lovington Lea Refinery

Collection Date: 3/9/2015

Analysis Date: 3/21/2015 5:58:00 AM

Instrument ID: LACHAT5

Sample Numbers: L753137-01, -02, -03, -04

Matrix: Water - mg/L

EPA ID: TN00003

Analytic Batch: WG776789

Analyst: 578

Sample Duplicate

L753046-01

Analyte	Dil	Sample Result	DUP Result	% RPD	Limit	Qualifier
Nitrate-Nitrite	1	1.9	1.97	5.13	20	

Sample Duplicate

L753192-02

Analyte	Dil	Sample Result	DUP Result	% RPD	Limit	Qualifier
Nitrate-Nitrite	1	<0.0197	<0.0197		20	

Matrix Spike / Matrix Spike Duplicate

L753123-01

Analyte	Dil	Spike Value	Sample	MS	% Rec	MSD	% Rec	Control Limits	% Rec Qual	RPD	Control Limits	RPD Qual
Nitrate-Nitrite	1	5	<0.0197	4.46	89.2	4.69	93.8	90 - 110	J6	5.03	20	

Quality Control Summary

SDG: L753137

TRC Solutions - Austin, TX

Test:	Specific Concuctance by Method 9050A		
Project No:	227000	Matrix:	Water - mg/L
Project:	Lovington Lea Refinery	EPA ID:	TN00003
Collection Date:	3/9/2015	Analytic Batch:	WG775693
Analysis Date:	3/16/2015 4:03:00 PM	Analyst:	599
Instrument ID:	ORION VS-1		
Sample Numbers:	L753137-01, -02, -03, -04		

Method Blank

Analyte	CAS	PQL	Qualifier
Specific Conductance	SPCON	1.97	

Laboratory Control Sample (LCS)

Analyte	Dil	True Value	Found	% Rec	Control Limits	Qual
Specific Conductance	1	759	772	102	85 - 115	

Laboratory Control Sample Duplicate (LCSD)

Analyte	Dil	True Value	Found	% Rec	Control Limits	Qual
Specific Conductance	1	759	772	102	85 - 115	

Laboratory Control Sample / Laboratory Control Sample Duplicate

Analyte	Dil	Spike	LCS	% Rec	LCSD	% Rec	Control Limits	% Rec Qual	Control RPD Limits	Qual
Specific Conductance	1	759	772	102	772	102	85 - 115	0	20	

Quality Control Summary

SDG: L753137

TRC Solutions - Austin, TX

Test:	Specific Concuctance by Method 9050A		
Project No:	227000	Matrix:	Water - mg/L
Project:	Lovington Lea Refinery	EPA ID:	TN00003
Collection Date:	3/9/2015	Analytic Batch:	WG775693
Analysis Date:	3/16/2015 4:03:00 PM	Analyst:	599
Instrument ID:	ORION VS-1		
Sample Numbers:	L753137-01, -02, -03, -04		

Sample Duplicate

L752485-02

Analyte	Dil	Sample Result	DUP Result	% RPD	Limit	Qualifier
Specific Conductance	1	1	1.02	1.98	20	

Sample Duplicate

L753315-05

Analyte	Dil	Sample Result	DUP Result	% RPD	Limit	Qualifier
Specific Conductance	1	840	840	0	20	

Quality Control Summary

SDG: L753137

TRC Solutions - Austin, TX

Test:	Total Dissolved Solids by Method 2540 C-2011		
Project No:	227000	Matrix:	Water - mg/L
Project:	Lovington Lea Refinery	EPA ID:	TN00003
Collection Date:	3/9/2015	Analytic Batch:	WG775627
Analysis Date:	3/16/2015 12:57:00 PM	Analyst:	36
Instrument ID:	WETBAL1		
Sample Numbers:	L753137-01, -02, -03, -04		

Method Blank

Analyte	CAS	PQL	MDL	Qualifier
Dissolved Solids	DSOLIDS	< 10.0	< 2.82	

Laboratory Control Sample (LCS)

Analyte	Dil	True Value	Found	% Rec	Control Limits	Qual
Dissolved Solids	1	8800	8610	97.8	85 - 115	

Laboratory Control Sample Duplicate (LCSD)

Analyte	Dil	True Value	Found	% Rec	Control Limits	Qual
Dissolved Solids	1	8800	8530	96.9	85 - 115	

Laboratory Control Sample / Laboratory Control Sample Duplicate

Analyte	Dil	Spike	LCS	% Rec	LCSD	% Rec	Control Limits	% Rec Qual	Control RPD % RPD	Control RPD Limits	Control RPD Qual
Dissolved Solids	1	8800	8610	97.8	8530	96.9	85 - 115	0.93	5		

Quality Control Summary

SDG: L753137

TRC Solutions - Austin, TX

Test:	Total Dissolved Solids by Method 2540 C-2011		
Project No:	227000	Matrix:	Water - mg/L
Project:	Lovington Lea Refinery	EPA ID:	TN00003
Collection Date:	3/9/2015	Analytic Batch:	WG775627
Analysis Date:	3/16/2015 12:57:00 PM	Analyst:	36
Instrument ID:	WETBAL1		
Sample Numbers:	L753137-01, -02, -03, -04		

Sample Duplicate

L752734-19

Analyte	Dil	Sample Result	DUP Result	% RPD	Limit	Qualifier
Dissolved Solids	1	248	252	1.6	5	

Quality Control Summary

SDG: L753137

TRC Solutions - Austin, TX

Test: pH by Method 9040C
Project No: 227000
Project: Lovington Lea Refinery
Collection Date: 3/9/2015
Analysis Date: 3/13/2015 2:44:00 PM
Instrument ID: ORION VS-1
Sample Numbers: L753137-01, -02, -03, -04

Matrix: Water - mg/L
EPA ID: TN00003
Analytic Batch: WG775568
Analyst: 661

Laboratory Control Sample (LCS)

Analyte	Dil	True Value	Found	% Rec	Control Limits	Qual
pH	1	5.9	5.9	100	98.3 - 101.7	

Laboratory Control Sample Duplicate (LCSD)

Analyte	Dil	True Value	Found	% Rec	Control Limits	Qual
pH	1	5.9	5.91	100	98.3 - 101.7	

Laboratory Control Sample / Laboratory Control Sample Duplicate

Analyte	Dil	Spike	LCS	% Rec	LCSD	% Rec	Control Limits	% Rec Qual	% RPD	Control RPD Limits	Qual
pH	1	5.9	5.9	100	5.91	100	98.3 - 101.7		0.17	20	

Quality Control Summary

SDG: L753137

TRC Solutions - Austin, TX

Test: pH by Method 9040C
Project No: 227000
Project: Lovington Lea Refinery
Collection Date: 3/9/2015
Analysis Date: 3/13/2015 2:44:00 PM
Instrument ID: ORION VS-1
Sample Numbers: L753137-01, -02, -03, -04

Matrix: Water - mg/L
EPA ID: TN00003
Analytic Batch: WG775568
Analyst: 661

Sample Duplicate

L752893-03

Analyte	Dil	Sample Result	DUP Result	% RPD	Limit	Qualifier
pH	1	6.1	6.06	0.66	1	

Sample Duplicate

L753287-01

Analyte	Dil	Sample Result	DUP Result	% RPD	Limit	Qualifier
pH	1	7	6.95	0.72	1	

Quality Control Summary

SDG: L753137

TRC Solutions - Austin, TX

Test: Mercury by Method 7470A
Project No: 227000
Project: Lovington Lea Refinery
Collection Date: 3/9/2015
Analysis Date: 3/13/2015 1:02:00 PM
Instrument ID: CVAA4
Sample Numbers: L753137-01, -02, -03, -04

Matrix: Water - ug/L
EPA ID: TN00003
Analytic Batch: WG775411
Analyst: 572
Prep Date: 3/12/2015

Method Blank

Analyte	CAS	PQL	MDL	Qualifier
Mercury	7439-97-6	< 0.200	< 0.0490	

Laboratory Control Sample (LCS)

Analyte	Dil	True Value	Found	% Rec	Control Limits	Qual
Mercury	1	3	3.2111	107	85 - 115	

Laboratory Control Sample Duplicate (LCSD)

Analyte	Dil	True Value	Found	% Rec	Control Limits	Qual
Mercury	1	3	3.1873	106	85 - 115	

Laboratory Control Sample / Laboratory Control Sample Duplicate

Analyte	Dil	Spike	LCS	% Rec	LCSD	% Rec	Control Limits	% Rec Qual	Control RPD	RPD Limits	Qual
Mercury	1	3	3.2111	107	3.1873	106	85 - 115	1	20		

Quality Control Summary

SDG: L753137

TRC Solutions - Austin, TX

Test: Mercury by Method 7470A
Project No: 227000
Project: Lovington Lea Refinery
Collection Date: 3/9/2015
Analysis Date: 3/13/2015 5:17:00 PM
Instrument ID: CVAA5
Sample Numbers: L753137-01, -02, -03, -04

Matrix: Water - ug/L
EPA ID: TN00003
Analytic Batch: WG775431
Analyst: 542
Prep Date: 3/12/2015

Method Blank

Analyte	CAS	PQL	MDL	Qualifier
Mercury,Dissolved	7439-97-6	< 0.200	< 0.0490	

Laboratory Control Sample (LCS)

Analyte	Dil	True Value	Found	% Rec	Control Limits	Qual
Mercury,Dissolved	1	3	3.2287	108	85 - 115	

Laboratory Control Sample Duplicate (LCSD)

Analyte	Dil	True Value	Found	% Rec	Control Limits	Qual
Mercury,Dissolved	1	3	3.0755	103	85 - 115	

Laboratory Control Sample / Laboratory Control Sample Duplicate

Analyte	Dil	Spike	LCS	% Rec	LCSD	% Rec	Control Limits	% Rec Qual	Control RPD Limits	Qual
Mercury,Dissolved	1	3	3.2287	108	3.0755	103	85 - 115	5	20	

Quality Control Summary

SDG: L753137

TRC Solutions - Austin, TX

Test: Mercury by Method 7470A
Project No: 227000
Project: Lovington Lea Refinery
Collection Date: 3/9/2015
Analysis Date: 3/13/2015 1:02:00 PM
Instrument ID: CVAA4
Sample Numbers: L753137-01, -02, -03, -04

Matrix: Water - ug/L
EPA ID: TN00003
Analytic Batch: WG775411
Analyst: 572
Prep Date: 3/12/2015

Matrix Spike / Matrix Spike Duplicate

L752468-07

Analyte	Dil	Spike Value	Sample	MS	% Rec	MSD	% Rec	Control Limits	% Rec Qual	RPD	Control Limits	RPD
Mercury	1	3	<0.049	3.1876	106	3.1484	105	80 - 120		1	20	

Quality Control Summary

SDG: L753137

TRC Solutions - Austin, TX

Test: Mercury by Method 7470A
Project No: 227000
Project: Lovington Lea Refinery
Collection Date: 3/9/2015
Analysis Date: 3/13/2015 5:17:00 PM
Instrument ID: CVAA5
Sample Numbers: L753137-01, -02, -03, -04

Matrix: Water - ug/L
EPA ID: TN00003
Analytic Batch: WG775431
Analyst: 542
Prep Date: 3/12/2015

Matrix Spike / Matrix Spike Duplicate

L753189-06

Analyte	Dil	Spike Value	Sample	MS	% Rec	MSD	% Rec	Control Limits	% Rec Qual	RPD	Control Limits	RPD
Mercury,Dissolved	1	3	<0.049	3.0481	102	3.1352	105	80 - 120		3	20	

Quality Control Summary

SDG: L753137

TRC Solutions - Austin, TX

Test: Trace Metals by Method 6010B
Project No: 227000
Project: Lovington Lea Refinery
Collection Date: 3/9/2015
Analysis Date: 3/18/2015 2:36:00 AM
Instrument ID: ICP12
Sample Numbers: L753137-01, -02, -03, -04

Matrix: Water - mg/L
EPA ID: TN00003
Analytic Batch: WG776313
Analyst: 678
Prep Date: 3/17/2015

Method Blank

Analyte	CAS	PQL	MDL	Qualifier
Aluminum,Dissolved	7429-90-5	< 0.100	< 0.0350	
Barium,Dissolved	7440-39-3	< 0.00500	< 0.00170	
Beryllium,Dissolved	7440-41-7	< 0.00200	< 0.000700	
Cadmium,Dissolved	7440-43-9	< 0.00500	< 0.000700	
Calcium,Dissolved	7440-70-2	< 1.00	< 0.0463	
Chromium,Dissolved	7440-47-3	< 0.0100	< 0.00140	
Cobalt,Dissolved	7440-48-4	< 0.0100	< 0.00230	
Copper,Dissolved	7440-50-8	< 0.0200	< 0.00530	
Iron,Dissolved	7439-89-6	< 0.100	< 0.0141	
Magnesium,Dissolved	7439-95-4	< 1.00	< 0.0111	
Manganese,Dissolved	7439-96-5	< 0.0100	< 0.00120	
Nickel,Dissolved	7440-02-0	< 0.0200	< 0.00490	
Potassium,Dissolved	7440-09-7	< 1.00	0.404	
Selenium,Dissolved	7782-49-2	< 0.0200	< 0.00740	
Silver,Dissolved	7440-22-4	< 0.0100	< 0.00280	
Sodium,Dissolved	7440-23-5	< 1.00	0.292	
Vanadium,Dissolved	7440-62-2	< 0.0200	< 0.00240	
Zinc,Dissolved	7440-66-6	< 0.0500	< 0.00590	

Quality Control Summary

SDG: L753137

TRC Solutions - Austin, TX

Test: Trace Metals by Method 6010B
Project No: 227000
Project: Lovington Lea Refinery
Collection Date: 3/9/2015
Analysis Date: 3/18/2015 2:36:00 AM
Instrument ID: ICP12
Sample Numbers: L753137-01, -02, -03, -04

Matrix: Water - mg/L
EPA ID: TN00003
Analytic Batch: WG776313
Analyst: 678
Prep Date: 3/17/2015

Laboratory Control Sample (LCS)

Analyte	Dil	True Value	Found	% Rec	Control Limits	Qual
Aluminum,Dissolved	1	1	1.0125	101	80 - 120	
Barium,Dissolved	1	1	1.1016	110	80 - 120	
Beryllium,Dissolved	1	1	1.0519	105	80 - 120	
Cadmium,Dissolved	1	1	1.0768	108	80 - 120	
Calcium,Dissolved	1	10	9.9507	100	80 - 120	
Chromium,Dissolved	1	1	1.0258	103	80 - 120	
Cobalt,Dissolved	1	1	1.0831	108	80 - 120	
Copper,Dissolved	1	1	1.0296	103	80 - 120	
Iron,Dissolved	1	1	1.0066	101	80 - 120	
Magnesium,Dissolved	1	10	9.7987	98	80 - 120	
Manganese,Dissolved	1	1	1.0004	100	80 - 120	
Nickel,Dissolved	1	1	1.0717	107	80 - 120	
Potassium,Dissolved	1	10	10.264	103	80 - 120	
Selenium,Dissolved	1	1	1.1178	112	80 - 120	
Silver,Dissolved	1	1	1.0348	103	80 - 120	
Sodium,Dissolved	1	10	9.8366	98	80 - 120	
Vanadium,Dissolved	1	1	1.0373	104	80 - 120	
Zinc,Dissolved	1	1	1.0327	103	80 - 120	

Quality Control Summary

SDG: L753137

TRC Solutions - Austin, TX

Test: Trace Metals by Method 6010B
Project No: 227000
Project: Lovington Lea Refinery
Collection Date: 3/9/2015
Analysis Date: 3/18/2015 2:36:00 AM
Instrument ID: ICP12
Sample Numbers: L753137-01, -02, -03, -04

Matrix: Water - mg/L
EPA ID: TN00003
Analytic Batch: WG776313
Analyst: 678
Prep Date: 3/17/2015

Laboratory Control Sample Duplicate (LCSD)

Analyte	Dil	True Value	Found	% Rec	Control Limits	Qual
Aluminum,Dissolved	1	1	0.9922	99	80 - 120	
Barium,Dissolved	1	1	1.0707	107	80 - 120	
Beryllium,Dissolved	1	1	1.0763	108	80 - 120	
Cadmium,Dissolved	1	1	1.0458	105	80 - 120	
Calcium,Dissolved	1	10	10.211	102	80 - 120	
Chromium,Dissolved	1	1	1.0462	105	80 - 120	
Cobalt,Dissolved	1	1	1.0536	105	80 - 120	
Copper,Dissolved	1	1	1.0435	104	80 - 120	
Iron,Dissolved	1	1	1.0276	103	80 - 120	
Magnesium,Dissolved	1	10	10.107	101	80 - 120	
Manganese,Dissolved	1	1	1.0144	101	80 - 120	
Nickel,Dissolved	1	1	1.0407	104	80 - 120	
Potassium,Dissolved	1	10	10.504	105	80 - 120	
Selenium,Dissolved	1	1	1.0830	108	80 - 120	
Silver,Dissolved	1	1	1.0547	105	80 - 120	
Sodium,Dissolved	1	10	10.171	102	80 - 120	
Vanadium,Dissolved	1	1	1.0643	106	80 - 120	
Zinc,Dissolved	1	1	1.0030	100	80 - 120	

Quality Control Summary

SDG: L753137

TRC Solutions - Austin, TX

Test: Trace Metals by Method 6010B
Project No: 227000
Project: Lovington Lea Refinery
Collection Date: 3/9/2015
Analysis Date: 3/18/2015 2:36:00 AM
Instrument ID: ICP12
Sample Numbers: L753137-01, -02, -03, -04

Matrix: Water - mg/L
EPA ID: TN00003
Analytic Batch: WG776313
Analyst: 678
Prep Date: 3/17/2015

Laboratory Control Sample / Laboratory Control Sample Duplicate

Analyte	Dil	Spike	LCS	% Rec	LCSD	% Rec	Control Limits	% Rec Qual	Control RPD Limits	RPD Qual
Aluminum,Dissolved	1	1	1.0125	101	0.9922	99	80 - 120		2	20
Barium,Dissolved	1	1	1.1016	110	1.0707	107	80 - 120		3	20
Beryllium,Dissolved	1	1	1.0519	105	1.0763	108	80 - 120		2	20
Cadmium,Dissolved	1	1	1.0768	108	1.0458	105	80 - 120		3	20
Calcium,Dissolved	1	10	9.9507	100	10.211	102	80 - 120		3	20
Chromium,Dissolved	1	1	1.0258	103	1.0462	105	80 - 120		2	20
Cobalt,Dissolved	1	1	1.0831	108	1.0536	105	80 - 120		3	20
Copper,Dissolved	1	1	1.0296	103	1.0435	104	80 - 120		1	20
Iron,Dissolved	1	1	1.0066	101	1.0276	103	80 - 120		2	20
Magnesium,Dissolved	1	10	9.7987	98	10.107	101	80 - 120		3	20
Manganese,Dissolved	1	1	1.0004	100	1.0144	101	80 - 120		1	20
Nickel,Dissolved	1	1	1.0717	107	1.0407	104	80 - 120		3	20
Potassium,Dissolved	1	10	10.264	103	10.504	105	80 - 120		2	20
Selenium,Dissolved	1	1	1.1178	112	1.0830	108	80 - 120		3	20
Silver,Dissolved	1	1	1.0348	103	1.0547	105	80 - 120		2	20
Sodium,Dissolved	1	10	9.8366	98	10.171	102	80 - 120		3	20
Vanadium,Dissolved	1	1	1.0373	104	1.0643	106	80 - 120		3	20
Zinc,Dissolved	1	1	1.0327	103	1.0030	100	80 - 120		3	20

Quality Control Summary

SDG: L753137

TRC Solutions - Austin, TX

Test: Trace Metals by Method 6010B
Project No: 227000
Project: Lovington Lea Refinery
Collection Date: 3/9/2015
Analysis Date: 3/18/2015 2:36:00 AM
Instrument ID: ICP12
Sample Numbers: L753137-01, -02, -03, -04

Matrix: Water - mg/L
EPA ID: TN00003
Analytic Batch: WG776313
Analyst: 678
Prep Date: 3/17/2015

Serial Dilution

L753555-01

Analyte	Dil	Sample Result	SD Result	% RPD	Limit	Qualifier
Aluminum,Dissolved	5	<0.035	<0.175		10	
Barium,Dissolved	5	0.1048	0.1100	5	10	
Beryllium,Dissolved	5	<0.0007	<0.0035		10	
Cadmium,Dissolved	5	<0.0007	<0.0035		10	
Calcium,Dissolved	5	350.83	347.06	1	10	
Chromium,Dissolved	5	<0.0014	<0.007		10	
Cobalt,Dissolved	5	<0.0023	<0.0115		10	
Copper,Dissolved	5	<0.0053	<0.0265		10	
Iron,Dissolved	5	1.4406	1.2516	13	10	O1
Magnesium,Dissolved	5	74.032	71.829	3	10	
Manganese,Dissolved	5	0.3554	0.3760	6	10	
Nickel,Dissolved	5	<0.0049	<0.0245		10	
Potassium,Dissolved	5	2.2572	1.9863	12	10	
Selenium,Dissolved	5	<0.0074	<0.037		10	
Silver,Dissolved	5	<0.0028	<0.014		10	
Sodium,Dissolved	5	161.01	155.58	3	10	
Vanadium,Dissolved	5	0.0099	0.0124	0	10	
Zinc,Dissolved	5	0.0429	<0.0295	0	10	

Quality Control Summary

SDG: L753137

TRC Solutions - Austin, TX

Test: Trace Metals by Method 6010B
Project No: 227000
Project: Lovington Lea Refinery
Collection Date: 3/9/2015
Analysis Date: 3/18/2015 2:36:00 AM
Instrument ID: ICP12
Sample Numbers: L753137-01, -02, -03, -04

Matrix: Water - mg/L
EPA ID: TN00003
Analytic Batch: WG776313
Analyst: 678
Prep Date: 3/17/2015

Matrix Spike / Matrix Spike Duplicate

L753555-01

Analyte	Dil	Spike Value	Sample	MS	% Rec	MSD	% Rec	Control Limits	% Rec Qual	RPD	Control Limits	RPD Qual
Aluminum,Dissolved	1	1	<0.035	1.1574	116	1.2016	120	75 - 125		4	20	
Barium,Dissolved	1	1	0.1048	1.1554	105	1.1506	105	75 - 125		0	20	
Beryllium,Dissolved	1	1	<0.0007	1.0790	108	1.0730	107	75 - 125		1	20	
Cadmium,Dissolved	1	1	<0.0007	1.1156	112	1.1154	112	75 - 125		0	20	
Calcium,Dissolved	1	10	350.83	360.65	98	360.18	93	75 - 125		0	20	
Chromium,Dissolved	1	1	<0.0014	1.0398	104	1.0324	103	75 - 125		1	20	
Cobalt,Dissolved	1	1	<0.0023	1.1014	110	1.0944	109	75 - 125		1	20	
Copper,Dissolved	1	1	<0.0053	1.0471	105	1.0532	105	75 - 125		1	20	
Iron,Dissolved	1	1	1.4406	2.0771	64	2.0982	66	75 - 125	J6	1	20	
Magnesium,Dissolved	1	10	74.032	84.891	109	84.781	107	75 - 125		0	20	
Manganese,Dissolved	1	1	0.3554	1.3453	99	1.3378	98	75 - 125		1	20	
Nickel,Dissolved	1	1	<0.0049	1.0784	108	1.0715	107	75 - 125		1	20	
Potassium,Dissolved	1	10	2.2572	12.949	107	12.987	107	75 - 125		0	20	
Selenium,Dissolved	1	1	<0.0074	1.1850	118	1.1750	117	75 - 125		1	20	
Silver,Dissolved	1	1	<0.0028	1.1497	115	1.1455	115	75 - 125		0	20	
Sodium,Dissolved	1	10	161.01	166.15	51	168.57	76	75 - 125	V	1	20	
Vanadium,Dissolved	1	1	0.0099	1.0615	105	1.0562	105	75 - 125		0	20	
Zinc,Dissolved	1	1	0.0429	1.0109	97	1.0114	97	75 - 125		0	20	

Quality Control Summary

SDG: L753137

TRC Solutions - Austin, TX

Test: Trace Metals by Method 6010B
Project No: 227000
Project: Lovington Lea Refinery
Collection Date: 3/9/2015
Analysis Date: 3/18/2015 2:36:00 AM
Instrument ID: ICP12
Sample Numbers: L753137-01, -02, -03, -04

Matrix: Water - mg/L
EPA ID: TN00003
Analytic Batch: WG776313
Analyst: 678
Prep Date: 3/17/2015

Post Digest Spike

L753555-01

Analyte	Dil	Spike Value	Sample	Result	% Rec	Control Limits	Qualifier
Aluminum,Dissolved	1	1.12	<0.035	1.3537	121	75-125	
Barium,Dissolved	1	1.12	0.1048	1.2778	105	75-125	
Beryllium,Dissolved	1	1.12	<0.0007	1.2102	108	75-125	
Cadmium,Dissolved	1	1.12	<0.0007	1.2324	110	75-125	
Calcium,Dissolved	1	11.2	350.83	361.15	92	75-125	
Chromium,Dissolved	1	1.12	<0.0014	1.1653	104	75-125	
Cobalt,Dissolved	1	1.12	<0.0023	1.2372	110	75-125	
Copper,Dissolved	1	1.12	<0.0053	1.1963	107	75-125	
Iron,Dissolved	1	1.12	1.4406	2.2192	70	75-125	O1
Magnesium,Dissolved	1	11.2	74.032	86.309	110	75-125	
Manganese,Dissolved	1	1.12	0.3554	1.4705	100	75-125	
Nickel,Dissolved	1	1.12	<0.0049	1.2122	108	75-125	
Potassium,Dissolved	1	11.2	2.2572	14.417	109	75-125	
Selenium,Dissolved	1	1.12	<0.0074	1.3322	118	75-125	
Silver,Dissolved	1	1.12	<0.0028	1.2676	113	75-125	
Sodium,Dissolved	1	11.2	161.01	171.43	93	75-125	
Vanadium,Dissolved	1	1.12	0.0099	1.1986	106	75-125	
Zinc,Dissolved	1	1.12	0.0429	1.1405	98	75-125	

Quality Control Summary

SDG: L753137

TRC Solutions - Austin, TX

Test: Trace Metals by Method 6020
Project No: 227000
Project: Lovington Lea Refinery
Collection Date: 3/9/2015
Analysis Date: 3/19/2015 12:32:00 PM
Instrument ID: ICPMS9
Sample Numbers: L753137-01, -02, -03, -04

Matrix: Water - ug/L
EPA ID: TN00003
Analytic Batch: WG776640
Analyst: 428
Prep Date: 3/18/2015

Method Blank

Analyte	CAS	PQL	MDL	Qualifier
Antimony,Dissolved	7440-36-0	< 2.00	< 0.210	
Arsenic,Dissolved	7440-38-2	< 2.00	< 0.250	
Boron,Dissolved	7440-42-8	< 20.0	< 1.5	
Lead,Dissolved	7439-92-1	< 2.00	< 0.240	
Molybdenum,Dissolved	7439-98-7	< 5.00	< 0.140	
Thallium,Dissolved	7440-28-0	< 2.00	< 0.190	
Uranium,Dissolved	7440-61-1	< 10.0	< 0.330	

Quality Control Summary

SDG: L753137

TRC Solutions - Austin, TX

Test: Trace Metals by Method 6020
Project No: 227000
Project: Lovington Lea Refinery
Collection Date: 3/9/2015
Analysis Date: 3/19/2015 12:32:00 PM
Instrument ID: ICPMS9
Sample Numbers: L753137-01, -02, -03, -04

Matrix: Water - ug/L
EPA ID: TN00003
Analytic Batch: WG776640
Analyst: 428
Prep Date: 3/18/2015

Laboratory Control Sample (LCS)

Analyte	Dil	True Value	Found	% Rec	Control Limits	Qual
Antimony,Dissolved	1	50	52.075	104	80 - 120	
Arsenic,Dissolved	1	50	50.685	101	80 - 120	
Boron,Dissolved	1	50	46.200	92	80 - 120	
Lead,Dissolved	1	50	47.332	95	80 - 120	
Molybdenum,Dissolved	1	50	47.842	96	80 - 120	
Thallium,Dissolved	1	50	47.159	94	80 - 120	
Uranium,Dissolved	1	50	47.654	95	80 - 120	

Laboratory Control Sample Duplicate (LCSD)

Analyte	Dil	True Value	Found	% Rec	Control Limits	Qual
Antimony,Dissolved	1	50	52.931	106	80 - 120	
Arsenic,Dissolved	1	50	49.581	99	80 - 120	
Boron,Dissolved	1	50	48.690	97	80 - 120	
Lead,Dissolved	1	50	48.013	96	80 - 120	
Molybdenum,Dissolved	1	50	47.711	95	80 - 120	
Thallium,Dissolved	1	50	47.498	95	80 - 120	
Uranium,Dissolved	1	50	47.691	95	80 - 120	

Laboratory Control Sample / Laboratory Control Sample Duplicate

Analyte	Dil	Spike	LCS	% Rec	LCSD	% Rec	Control Limits	% Rec Qual	Control RPD Limits	Qual
Antimony,Dissolved	1	50	52.075	104	52.931	106	80 - 120	2	20	
Arsenic,Dissolved	1	50	50.685	101	49.581	99	80 - 120	2	20	
Boron,Dissolved	1	50	46.200	92	48.690	97	80 - 120	5	20	
Lead,Dissolved	1	50	47.332	95	48.013	96	80 - 120	1	20	
Molybdenum,Dissolved	1	50	47.842	96	47.711	95	80 - 120	0	20	
Thallium,Dissolved	1	50	47.159	94	47.498	95	80 - 120	1	20	
Uranium,Dissolved	1	50	47.654	95	47.691	95	80 - 120	0	20	

Quality Control Summary

SDG: L753137

TRC Solutions - Austin, TX

Test: Trace Metals by Method 6020
Project No: 227000
Project: Lovington Lea Refinery
Collection Date: 3/9/2015
Analysis Date: 3/19/2015 12:32:00 PM
Instrument ID: ICPMS9
Sample Numbers: L753137-01, -02, -03, -04

Matrix: Water - ug/L
EPA ID: TN00003
Analytic Batch: WG776640
Analyst: 428
Prep Date: 3/18/2015

Serial Dilution

L754240-05

Analyte	Dil	Sample Result	SD Result	% RPD	Limit	Qualifier
Antimony,Dissolved	5	<0.21	1.3321	0	10	
Arsenic,Dissolved	5	<0.25	<1.25		10	
Boron,Dissolved	5	60.555	71.124	0	10	
Lead,Dissolved	5	<0.24	<1.2		10	
Molybdenum,Dissolved	5	<0.14	<0.7		10	
Thallium,Dissolved	5	<0.19	<0.95		10	
Uranium,Dissolved	5	0.6519	<1.65	0	10	

Matrix Spike / Matrix Spike Duplicate

L754240-05

Analyte	Dil	Spike Value	Sample MS	% Rec	MSD	% Rec	Control Limits	% Rec Qual	RPD	Control Limits	RPD Qual
Antimony,Dissolved	1	50	<0.21	54.571	109	56.159	112	75 - 125	3	20	
Arsenic,Dissolved	1	50	<0.25	48.854	97	51.101	102	75 - 125	4	20	
Boron,Dissolved	1	50	60.555	110.57	100	111.13	101	75 - 125	1	20	
Lead,Dissolved	1	50	<0.24	49.131	98	47.628	95	75 - 125	3	20	
Molybdenum,Dissolved	1	50	<0.14	49.632	99	50.756	101	75 - 125	2	20	
Thallium,Dissolved	1	50	<0.19	48.775	97	47.594	95	75 - 125	2	20	
Uranium,Dissolved	1	50	0.6519	50.074	99	48.694	96	75 - 125	3	20	

Quality Control Summary

SDG: L753137

TRC Solutions - Austin, TX

Test:	Volatile Organic Compounds by Method 8260B		
Project No:	227000	Matrix:	Water - mg/L
Project:	Lovington Lea Refinery	EPA ID:	TN00003
Collection Date:	3/9/2015	Analytic Batch:	WG775488
Analysis Date:	3/20/2015 1:39:00 PM	Analyst:	621
Instrument ID:	VOCMS2		
Sample Numbers:	L753137-01, -02, -03, -04, -05		

Method Blank

Analyte	CAS	PQL	MDL	Qualifier
1,1,1-Trichloroethane	71-55-6	< 0.00100	< 0.000319	
1,1,2,2-Tetrachloroethane	79-34-5	< 0.00100	< 0.000130	
1,1,2-Trichloroethane	79-00-5	< 0.00100	< 0.000383	
1,1-Dichloroethane	75-34-3	< 0.00100	< 0.000259	
1,1-Dichloroethene	75-35-4	< 0.00100	< 0.000398	
1,2,4-Trimethylbenzene	95-63-6	< 0.00100	< 0.000373	
1,2-Dibromoethane	106-93-4	< 0.00100	< 0.000381	
1,2-Dichloroethane	107-06-2	< 0.00100	< 0.000361	
1,2-Dichloropropane	78-87-5	< 0.00100	< 0.000306	
1,3,5-Trimethylbenzene	108-67-8	< 0.00100	< 0.000387	
2-Butanone (MEK)	78-93-3	< 0.0100	< 0.00393	
2-Hexanone	591-78-6	< 0.0100	< 0.00382	
4-Methyl-2-pentanone (MIBK)	108-10-1	< 0.0100	< 0.00214	
Acetone	67-64-1	< 1.00	< 0.0100	
Benzene	71-43-2	< 0.00100	< 0.000331	
Bromodichloromethane	75-27-4	< 0.00125	< 0.000380	
Bromoform	75-25-2	< 0.00100	< 0.000469	
Bromomethane	74-83-9	< 0.00500	< 0.000866	
Carbon disulfide	75-15-0	< 0.00100	< 0.000275	
Carbon tetrachloride	56-23-5	< 0.00100	< 0.000379	
Chlorobenzene	108-90-7	< 0.00100	< 0.000348	
Chlorodibromomethane	124-48-1	< 0.00100	< 0.000327	
Chloroethane	75-00-3	< 0.00500	< 0.000453	
Chloroform	67-66-3	< 0.00500	< 0.000324	
Chloromethane	74-87-3	< 0.00250	< 0.000276	
cis-1,2-Dichloroethene	156-59-2	< 0.00100	< 0.000260	
cis-1,3-Dichloropropene	10061-01-5	< 0.00100	< 0.000418	
Ethylbenzene	100-41-4	< 0.00100	< 0.000384	
Hexachloro-1,3-butadiene	87-68-3	< 0.00100	< 0.000256	
Isopropylbenzene	98-82-8	< 0.00100	< 0.000326	
Methyl tert-butyl ether	1634-04-4	< 0.00100	< 0.000367	
Methylene Chloride	75-09-2	< 0.00500	< 0.00100	
Naphthalene	91-20-3	< 0.00500	< 0.00100	
n-Butylbenzene	104-51-8	< 0.00100	< 0.000361	
n-Propylbenzene	103-65-1	< 0.00100	< 0.000349	
p-Isopropyltoluene	99-87-6	< 0.00100	< 0.000350	
sec-Butylbenzene	135-98-8	< 0.00100	< 0.000365	

Quality Control Summary

SDG: L753137

TRC Solutions - Austin, TX

Test:	Volatile Organic Compounds by Method 8260B		
Project No:	227000	Matrix:	Water - mg/L
Project:	Lovington Lea Refinery	EPA ID:	TN00003
Collection Date:	3/9/2015	Analytic Batch:	WG775488
Analysis Date:	3/20/2015 1:39:00 PM	Analyst:	621
Instrument ID:	VOCMS2		
Sample Numbers:	L753137-01, -02, -03, -04, -05		

Method Blank

Analyte	CAS	PQL	MDL	Qualifier
Styrene	100-42-5	< 0.00100	< 0.000307	
tert-Butylbenzene	98-06-6	< 0.00100	< 0.000399	
Tetrachloroethene	127-18-4	< 0.00100	< 0.000372	
Toluene	108-88-3	< 0.00500	< 0.000780	
trans-1,2-Dichloroethene	156-60-5	< 0.00100	< 0.000396	
trans-1,3-Dichloropropene	10061-02-6	< 0.00100	< 0.000419	
Trichloroethene	79-01-6	< 0.00100	< 0.000398	
Vinyl chloride	75-01-4	< 0.00100	< 0.000259	
Xylenes, Total	1330-20-7	< 0.00300	< 0.00106	

Quality Control Summary

SDG: L753137

TRC Solutions - Austin, TX

Test:	Volatile Organic Compounds by Method 8260B		
Project No:	227000	Matrix:	Water - mg/L
Project:	Lovington Lea Refinery	EPA ID:	TN00003
Collection Date:	3/9/2015	Analytic Batch:	WG775488
Analysis Date:	3/20/2015 1:39:00 PM	Analyst:	621
Instrument ID:	VOCMS2		
Sample Numbers:	L753137-01, -02, -03, -04, -05		

Laboratory Control Sample (LCS)

Analyte	Dil	True Value	Found	% Rec	Control Limits	Qual
1,1,1-Trichloroethane	1	0.025	0.0229	91.7	73.2 - 123	
1,1,2,2-Tetrachloroethane	1	0.025	0.0271	109	70.7 - 122	
1,1,2-Trichloroethane	1	0.025	0.0256	103	77.7 - 118	
1,1-Dichloroethane	1	0.025	0.0272	109	70.7 - 126	
1,1-Dichloroethene	1	0.025	0.0262	105	67.8 - 129	
1,2,4-Trimethylbenzene	1	0.025	0.0254	102	75 - 123	
1,2-Dibromoethane	1	0.025	0.0268	107	76.6 - 121	
1,2-Dichloroethane	1	0.025	0.0257	103	68.8 - 124	
1,2-Dichloropropane	1	0.025	0.0269	108	76.5 - 119	
1,3,5-Trimethylbenzene	1	0.025	0.0252	101	75.6 - 124	
2-Butanone (MEK)	1	0.125	0.1338	107	55 - 149	
2-Hexanone	1	0.125	0.1352	108	65.6 - 144	
4-Methyl-2-pentanone (MIBK)	1	0.125	0.1529	122	70.5 - 133	
Acetone	1	0.125	0.1028	82.2	35.6 - 163	
Benzene	1	0.025	0.0267	107	74.8 - 121	
Bromodichloromethane	1	0.025	0.0257	103	75.1 - 116	
Bromoform	1	0.025	0.0274	110	67.5 - 130	
Bromomethane	1	0.025	0.0203	81.2	49.9 - 162	
Carbon disulfide	1	0.025	0.0269	108	64.6 - 140	
Carbon tetrachloride	1	0.025	0.0245	97.9	70.2 - 123	
Chlorobenzene	1	0.025	0.0280	112	78.1 - 119	
Chlorodibromomethane	1	0.025	0.0265	106	74 - 121	
Chloroethane	1	0.025	0.0228	91	61.7 - 135	
Chloroform	1	0.025	0.0251	101	76 - 121	
Chloromethane	1	0.025	0.0246	98.4	61.5 - 129	
cis-1,2-Dichloroethene	1	0.025	0.0270	108	76 - 119	
cis-1,3-Dichloropropene	1	0.025	0.0257	103	78.2 - 120	
Ethylbenzene	1	0.025	0.0260	104	78.8 - 122	
Hexachloro-1,3-butadiene	1	0.025	0.0267	107	64.7 - 129	
Isopropylbenzene	1	0.025	0.0244	97.8	78.6 - 132	
Methyl tert-butyl ether	1	0.025	0.0288	115	71.2 - 126	
Methylene Chloride	1	0.025	0.0270	108	70.3 - 120	
Naphthalene	1	0.025	0.0245	98.2	68.4 - 128	
n-Butylbenzene	1	0.025	0.0240	95.8	76.2 - 126	
n-Propylbenzene	1	0.025	0.0248	99.3	78.2 - 122	
p-Isopropyltoluene	1	0.025	0.0258	103	74 - 131	

Quality Control Summary

SDG: L753137

TRC Solutions - Austin, TX

Test:	Volatile Organic Compounds by Method 8260B		
Project No:	227000	Matrix:	Water - mg/L
Project:	Lovington Lea Refinery	EPA ID:	TN00003
Collection Date:	3/9/2015	Analytic Batch:	WG775488
Analysis Date:	3/20/2015 1:39:00 PM	Analyst:	621
Instrument ID:	VOCMS2		
Sample Numbers:	L753137-01, -02, -03, -04, -05		

Laboratory Control Sample (LCS)

Analyte	Dil	True Value	Found	% Rec	Control Limits	Qual
sec-Butylbenzene	1	0.025	0.0248	99.1	74.4 - 127	
Styrene	1	0.025	0.0271	108	80.4 - 126	
tert-Butylbenzene	1	0.025	0.0248	99.4	75.3 - 126	
Tetrachloroethene	1	0.025	0.0272	109	72.6 - 126	
Toluene	1	0.025	0.0251	100	79.7 - 116	
trans-1,2-Dichloroethene	1	0.025	0.0264	106	72.6 - 121	
trans-1,3-Dichloropropene	1	0.025	0.0271	108	74.3 - 123	
Trichloroethene	1	0.025	0.0262	105	77.7 - 118	
Vinyl chloride	1	0.025	0.0255	102	65.9 - 128	
Xylenes, Total	1	0.075	0.0768	102	78.7 - 121	

Quality Control Summary

SDG: L753137

TRC Solutions - Austin, TX

Test:	Volatile Organic Compounds by Method 8260B		
Project No:	227000	Matrix:	Water - mg/L
Project:	Lovington Lea Refinery	EPA ID:	TN00003
Collection Date:	3/9/2015	Analytic Batch:	WG775488
Analysis Date:	3/20/2015 1:39:00 PM	Analyst:	621
Instrument ID:	VOCMS2		
Sample Numbers:	L753137-01, -02, -03, -04, -05		

Laboratory Control Sample Duplicate (LCSD)

Analyte	Dil	True Value	Found	% Rec	Control Limits	Qual
1,1,1-Trichloroethane	1	0.025	0.0248	99.4	73.2 - 123	
1,1,2,2-Tetrachloroethane	1	0.025	0.0271	109	70.7 - 122	
1,1,2-Trichloroethane	1	0.025	0.0264	105	77.7 - 118	
1,1-Dichloroethane	1	0.025	0.0274	110	70.7 - 126	
1,1-Dichloroethene	1	0.025	0.0270	108	67.8 - 129	
1,2,4-Trimethylbenzene	1	0.025	0.0262	105	75 - 123	
1,2-Dibromoethane	1	0.025	0.0267	107	76.6 - 121	
1,2-Dichloroethane	1	0.025	0.0258	103	68.8 - 124	
1,2-Dichloropropane	1	0.025	0.0280	112	76.5 - 119	
1,3,5-Trimethylbenzene	1	0.025	0.0268	107	75.6 - 124	
2-Butanone (MEK)	1	0.125	0.1340	107	55 - 149	
2-Hexanone	1	0.125	0.1338	107	65.6 - 144	
4-Methyl-2-pentanone (MIBK)	1	0.125	0.1535	123	70.5 - 133	
Acetone	1	0.125	0.1089	87.1	35.6 - 163	
Benzene	1	0.025	0.0270	108	74.8 - 121	
Bromodichloromethane	1	0.025	0.0266	106	75.1 - 116	
Bromoform	1	0.025	0.0274	110	67.5 - 130	
Bromomethane	1	0.025	0.0209	83.7	49.9 - 162	
Carbon disulfide	1	0.025	0.0276	110	64.6 - 140	
Carbon tetrachloride	1	0.025	0.0256	102	70.2 - 123	
Chlorobenzene	1	0.025	0.0287	115	78.1 - 119	
Chlorodibromomethane	1	0.025	0.0275	110	74 - 121	
Chloroethane	1	0.025	0.0235	94.1	61.7 - 135	
Chloroform	1	0.025	0.0258	103	76 - 121	
Chloromethane	1	0.025	0.0251	100	61.5 - 129	
cis-1,2-Dichloroethene	1	0.025	0.0277	111	76 - 119	
cis-1,3-Dichloropropene	1	0.025	0.0271	108	78.2 - 120	
Ethylbenzene	1	0.025	0.0266	106	78.8 - 122	
Hexachloro-1,3-butadiene	1	0.025	0.0288	115	64.7 - 129	
Isopropylbenzene	1	0.025	0.0255	102	78.6 - 132	
Methyl tert-butyl ether	1	0.025	0.0284	114	71.2 - 126	
Methylene Chloride	1	0.025	0.0275	110	70.3 - 120	
Naphthalene	1	0.025	0.0259	104	68.4 - 128	
n-Butylbenzene	1	0.025	0.0259	104	76.2 - 126	
n-Propylbenzene	1	0.025	0.0263	105	78.2 - 122	
p-Isopropyltoluene	1	0.025	0.0272	109	74 - 131	

Quality Control Summary

SDG: L753137

TRC Solutions - Austin, TX

Test:	Volatile Organic Compounds by Method 8260B		
Project No:	227000	Matrix:	Water - mg/L
Project:	Lovington Lea Refinery	EPA ID:	TN00003
Collection Date:	3/9/2015	Analytic Batch:	WG775488
Analysis Date:	3/20/2015 1:39:00 PM	Analyst:	621
Instrument ID:	VOCMS2		
Sample Numbers:	L753137-01, -02, -03, -04, -05		

Laboratory Control Sample Duplicate (LCSD)

Analyte	Dil	True Value	Found	% Rec	Control Limits	Qual
sec-Butylbenzene	1	0.025	0.0263	105	74.4 - 127	
Styrene	1	0.025	0.0275	110	80.4 - 126	
tert-Butylbenzene	1	0.025	0.0262	105	75.3 - 126	
Tetrachloroethene	1	0.025	0.0277	111	72.6 - 126	
Toluene	1	0.025	0.0259	104	79.7 - 116	
trans-1,2-Dichloroethene	1	0.025	0.0272	109	72.6 - 121	
trans-1,3-Dichloropropene	1	0.025	0.0273	109	74.3 - 123	
Trichloroethene	1	0.025	0.0276	110	77.7 - 118	
Vinyl chloride	1	0.025	0.0266	106	65.9 - 128	
Xylenes, Total	1	0.075	0.0804	107	78.7 - 121	

Quality Control Summary

SDG: L753137

TRC Solutions - Austin, TX

Test:	Volatile Organic Compounds by Method 8260B		
Project No:	227000	Matrix:	Water - mg/L
Project:	Lovington Lea Refinery	EPA ID:	TN00003
Collection Date:	3/9/2015	Analytic Batch:	WG775488
Analysis Date:	3/20/2015 1:39:00 PM	Analyst:	621
Instrument ID:	VOCMS2		
Sample Numbers:	L753137-01, -02, -03, -04, -05		

Laboratory Control Sample / Laboratory Control Sample Duplicate

Analyte	Dil	Spike	LCS	% Rec	LCSD	% Rec	Control Limits	% Rec Qual	Control RPD Limits	RPD Qual
1,1,1-Trichloroethane	1	0.025	0.0229	91.7	0.0248	99.4	73.2 - 123	7.99	20	
1,1,2,2-Tetrachloroethane	1	0.025	0.0271	109	0.0271	109	70.7 - 122	0.04	20	
1,1,2-Trichloroethane	1	0.025	0.0256	103	0.0264	105	77.7 - 118	2.76	20	
1,1-Dichloroethane	1	0.025	0.0272	109	0.0274	110	70.7 - 126	0.87	20	
1,1-Dichloroethene	1	0.025	0.0262	105	0.0270	108	67.8 - 129	2.77	20	
1,2,4-Trimethylbenzene	1	0.025	0.0254	102	0.0262	105	75 - 123	3.27	20	
1,2-Dibromoethane	1	0.025	0.0268	107	0.0267	107	76.6 - 121	0.56	20	
1,2-Dichloroethane	1	0.025	0.0257	103	0.0258	103	68.8 - 124	0.41	20	
1,2-Dichloropropane	1	0.025	0.0269	108	0.0280	112	76.5 - 119	4.05	20	
1,3,5-Trimethylbenzene	1	0.025	0.0252	101	0.0268	107	75.6 - 124	6.03	20	
2-Butanone (MEK)	1	0.125	0.1338	107	0.1340	107	55 - 149	0.13	20	
2-Hexanone	1	0.125	0.1352	108	0.1338	107	65.6 - 144	1.03	20	
4-Methyl-2-pentanone (MIBK)	1	0.125	0.1529	122	0.1535	123	70.5 - 133	0.36	20	
Acetone	1	0.125	0.1028	82.2	0.1089	87.1	35.6 - 163	5.81	23.9	
Benzene	1	0.025	0.0267	107	0.0270	108	74.8 - 121	1.11	20	
Bromodichloromethane	1	0.025	0.0257	103	0.0266	106	75.1 - 116	3.3	20	
Bromoform	1	0.025	0.0274	110	0.0274	110	67.5 - 130	0.11	20	
Bromomethane	1	0.025	0.0203	81.2	0.0209	83.7	49.9 - 162	3.03	20	
Carbon disulfide	1	0.025	0.0269	108	0.0276	110	64.6 - 140	2.68	20	
Carbon tetrachloride	1	0.025	0.0245	97.9	0.0256	102	70.2 - 123	4.49	20	
Chlorobenzene	1	0.025	0.0280	112	0.0287	115	78.1 - 119	2.34	20	
Chlorodibromomethane	1	0.025	0.0265	106	0.0275	110	74 - 121	3.46	20	
Chloroethane	1	0.025	0.0228	91	0.0235	94.1	61.7 - 135	3.3	20	
Chloroform	1	0.025	0.0251	101	0.0258	103	76 - 121	2.67	20	
Chloromethane	1	0.025	0.0246	98.4	0.0251	100	61.5 - 129	1.8	20	
cis-1,2-Dichloroethene	1	0.025	0.0270	108	0.0277	111	76 - 119	2.7	20	
cis-1,3-Dichloropropene	1	0.025	0.0257	103	0.0271	108	78.2 - 120	5.38	20	
Ethylbenzene	1	0.025	0.0260	104	0.0266	106	78.8 - 122	2.34	20	
Hexachloro-1,3-butadiene	1	0.025	0.0267	107	0.0288	115	64.7 - 129	7.72	20	
Isopropylbenzene	1	0.025	0.0244	97.8	0.0255	102	78.6 - 132	4.36	20	
Methyl tert-butyl ether	1	0.025	0.0288	115	0.0284	114	71.2 - 126	1.23	20	
Methylene Chloride	1	0.025	0.0270	108	0.0275	110	70.3 - 120	1.85	20	
Naphthalene	1	0.025	0.0245	98.2	0.0259	104	68.4 - 128	5.43	20	
n-Butylbenzene	1	0.025	0.0240	95.8	0.0259	104	76.2 - 126	7.92	20	
n-Propylbenzene	1	0.025	0.0248	99.3	0.0263	105	78.2 - 122	5.62	20	
p-Isopropyltoluene	1	0.025	0.0258	103	0.0272	109	74 - 131	5.28	20	

Quality Control Summary

SDG: L753137

TRC Solutions - Austin, TX

Test:	Volatile Organic Compounds by Method 8260B		
Project No:	227000	Matrix:	Water - mg/L
Project:	Lovington Lea Refinery	EPA ID:	TN00003
Collection Date:	3/9/2015	Analytic Batch:	WG775488
Analysis Date:	3/20/2015 1:39:00 PM	Analyst:	621
Instrument ID:	VOCMS2		
Sample Numbers:	L753137-01, -02, -03, -04, -05		

Laboratory Control Sample / Laboratory Control Sample Duplicate

Analyte	Dil	Spike	LCS	% Rec	LCSD	% Rec	Control Limits	% Rec Qual	Control RPD Limits	Qual
sec-Butylbenzene	1	0.025	0.0248	99.1	0.0263	105	74.4 - 127	5.86	20	
Styrene	1	0.025	0.0271	108	0.0275	110	80.4 - 126	1.51	20	
tert-Butylbenzene	1	0.025	0.0248	99.4	0.0262	105	75.3 - 126	5.45	20	
Tetrachloroethene	1	0.025	0.0272	109	0.0277	111	72.6 - 126	1.78	20	
Toluene	1	0.025	0.0251	100	0.0259	104	79.7 - 116	3.26	20	
trans-1,2-Dichloroethene	1	0.025	0.0264	106	0.0272	109	72.6 - 121	2.99	20	
trans-1,3-Dichloropropene	1	0.025	0.0271	108	0.0273	109	74.3 - 123	0.66	20	
Trichloroethene	1	0.025	0.0262	105	0.0276	110	77.7 - 118	5.29	20	
Vinyl chloride	1	0.025	0.0255	102	0.0266	106	65.9 - 128	3.99	20	
Xylenes, Total	1	0.075	0.0768	102	0.0804	107	78.7 - 121	4.48	20	

Quality Control Summary

SDG: L753137

TRC Solutions - Austin, TX

Test:	Volatile Organic Compounds by Method 8260B		
Project No:	227000	Matrix:	Water - mg/L
Project:	Lovington Lea Refinery	EPA ID:	TN00003
Collection Date:	3/9/2015	Analytic Batch:	WG775488
Analysis Date:	3/20/2015 1:39:00 PM	Analyst:	621
Instrument ID:	VOCMS2		
Sample Numbers:	L753137-01, -02, -03, -04, -05		

Matrix Spike / Matrix Spike Duplicate

L752898-02

Analyte	Dil	Spike Value	Sample	MS	% Rec	MSD	% Rec	Control Limits	% Rec Qual	RPD	Control Limits	RPD
1,1,1-Trichloroethane	1	0.025	<0.0003	0.0283	113	0.0276	110	58.7 - 134		2.61	20	
1,1,2,2-Tetrachloroethane	1	0.025	0.0006	0.0306	120	0.0317	124	56 - 132		3.44	22.2	
1,1,2-Trichloroethane	1	0.025	<0.0004	0.0277	111	0.0277	111	66.3 - 125		0.08	20	
1,1-Dichloroethane	1	0.025	<0.0003	0.0306	123	0.0308	123	58.5 - 132		0.4	20	
1,1-Dichloroethene	1	0.025	<0.0004	0.0321	128	0.0311	124	51.1 - 140		3	20.2	
1,2,4-Trimethylbenzene	1	0.025	0.0016	0.0269	101	0.0278	105	57.4 - 137		3.12	20	
1,2-Dibromoethane	1	0.025	<0.0004	0.0289	116	0.0282	113	67.1 - 125		2.35	20	
1,2-Dichloroethane	1	0.025	<0.0004	0.0276	110	0.0279	112	60 - 126		1.18	20	
1,2-Dichloropropane	1	0.025	0.0013	0.0293	112	0.0295	113	64.2 - 123		0.82	20	
1,3,5-Trimethylbenzene	1	0.025	<0.0004	0.0262	103	0.0266	105	63.6 - 132		1.59	20.5	
2-Butanone (MEK)	1	0.125	0.0247	0.2036	143	0.2065	145	22.4 - 138	J5	1.42	27	
4-Methyl-2-pentanone (MIBK)	1	0.125	0.0083	0.1971	151	0.1986	152	60.8 - 140	J5	0.76	25.1	
Acetone	1	0.125	0.2327	0.4144	145	0.3751	114	10 - 130	J5	9.95	27.9	
Benzene	1	0.025	<0.0003	0.0297	119	0.0290	116	54.3 - 133		2.26	20	
Bromodichloromethane	1	0.025	0.0006	0.0283	111	0.0284	112	63.9 - 121		0.43	20	
Bromoform	1	0.025	<0.0005	0.0284	113	0.0286	114	59.5 - 134		0.79	20.5	
Bromomethane	1	0.025	<0.0009	0.0242	96.8	0.0239	95.7	41.7 - 155		1.23	21.9	
Carbon tetrachloride	1	0.025	<0.0004	0.0299	120	0.0295	118	55.7 - 134		1.38	20	
Chlorobenzene	1	0.025	<0.0003	0.0302	121	0.0302	121	67 - 125		0.16	20	
Chlorodibromomethane	1	0.025	<0.0003	0.0285	114	0.0283	113	64.3 - 125		0.92	20.8	
Chloroethane	1	0.025	<0.0005	0.0278	111	0.0272	109	51.5 - 136		2.2	40	
Chloroform	1	0.025	0.0189	0.0486	119	0.0450	104	63 - 129		7.62	20	
Chloromethane	1	0.025	<0.0003	0.0311	125	0.0303	121	42.4 - 135		2.78	20	
cis-1,2-Dichloroethene	1	0.025	<0.0003	0.0301	120	0.0297	119	59.2 - 129		1.27	20	
cis-1,3-Dichloropropene	1	0.025	<0.0004	0.0275	110	0.0278	111	66.4 - 125		1.21	20	
Ethylbenzene	1	0.025	0.0005	0.0292	115	0.0297	117	61.4 - 133		1.8	20	
Hexachloro-1,3-butadiene	1	0.025	<0.0003	0.0167	66.9	0.0176	70.5	55.1 - 136		5.3	23.6	
Isopropylbenzene	1	0.025	<0.0003	0.0268	107	0.0276	110	66.8 - 141		2.75	20	
Methyl tert-butyl ether	1	0.025	<0.0004	0.0289	116	0.0287	115	57.7 - 134		0.86	20	
Methylene Chloride	1	0.025	<0.001	0.0297	119	0.0292	117	58.1 - 122		1.77	20	
Naphthalene	1	0.025	0.0016	0.0267	100	0.0302	114	58 - 135		12.2	25.5	
n-Butylbenzene	1	0.025	<0.0004	0.0236	94.3	0.0252	101	62.7 - 140		6.86	20.3	
n-Propylbenzene	1	0.025	<0.0003	0.0267	107	0.0271	108	65.9 - 131		1.66	20	
p-Isopropyltoluene	1	0.025	<0.0004	0.0244	97.7	0.0260	104	63.2 - 139		6.3	20.4	
sec-Butylbenzene	1	0.025	<0.0004	0.0241	96.2	0.0253	101	62.2 - 136		4.97	20.3	
Styrene	1	0.025	<0.0003	0.0285	113	0.0288	114	66.8 - 133		0.95	20	

Quality Control Summary

SDG: L753137

TRC Solutions - Austin, TX

Test:	Volatile Organic Compounds by Method 8260B		
Project No:	227000	Matrix:	Water - mg/L
Project:	Lovington Lea Refinery	EPA ID:	TN00003
Collection Date:	3/9/2015	Analytic Batch:	WG775488
Analysis Date:	3/20/2015 1:39:00 PM	Analyst:	621
Instrument ID:	VOCMS2		
Sample Numbers:	L753137-01, -02, -03, -04, -05		

Matrix Spike / Matrix Spike Duplicate

L752898-02

Analyte	Dil	Spike Value	Sample	MS	% Rec	MSD	% Rec	Control Limits	% Rec Qual	RPD	Control Limits	RPD
tert-Butylbenzene	1	0.025	<0.0004	0.0249	99.5	0.0257	103	63.3 - 134		3.19	21	
Tetrachloroethene	1	0.025	0.0125	0.0445	128	0.0422	119	53 - 139		5.47	20	
Toluene	1	0.025	<0.0008	0.0280	110	0.0277	109	61.4 - 130		1.01	20	
trans-1,2-Dichloroethene	1	0.025	<0.0004	0.0318	127	0.0307	123	56.5 - 129		3.46	20	
trans-1,3-Dichloropropene	1	0.025	<0.0004	0.0297	119	0.0286	114	64.1 - 128		3.94	20	
Trichloroethene	1	0.025	0.0004	0.0301	118	0.0303	119	44.1 - 149		0.65	20	
Vinyl chloride	1	0.025	<0.0003	0.0324	130	0.0317	127	47.8 - 137		2.16	20	
Xylenes, Total	1	0.075	<0.0011	0.0905	121	0.0907	121	63.3 - 131		0.25	20	

Quality Control Summary

SDG: L753137

TRC Solutions - Austin, TX

Test:	Semi-Volatile Organic Compounds by Method 8270 C		
Project No:	227000	Matrix:	Water - ug/L
Project:	Lovington Lea Refinery	EPA ID:	TN00003
Collection Date:	3/9/2015	Analytic Batch:	WG775448
Analysis Date:	3/17/2015 1:02:00 AM	Analyst:	377
Instrument ID:	BNAMS20, BNAMS15	Prep Date:	3/12/2015
Sample Numbers:	L753137-01, -02, -03, -04		

Method Blank

Analyte	CAS	PQL	MDL	Qualifier
1,2,4-Trichlorobenzene	120-82-1	< 10.0	< 0.355	
1-Methylnaphthalene	90-12-0	< 1.00	< 0.311	
2,4,5-Trichlorophenol	95-95-4	< 10.0	< 0.236	
2,4,6-Trichlorophenol	88-06-2	< 10.0	< 0.297	
2,4-Dichlorophenol	120-83-2	< 10.0	< 0.284	
2,4-Dimethylphenol	105-67-9	< 10.0	< 0.624	
2,4-Dinitrophenol	51-28-5	< 10.0	< 3.25	
2,4-Dinitrotoluene	121-14-2	< 10.0	< 1.65	
2,6-Dinitrotoluene	606-20-2	< 10.0	< 0.279	
2-Chloronaphthalene	91-58-7	< 1.00	< 0.330	
2-Chlorophenol	95-57-8	< 10.0	< 0.283	
2-Methylnaphthalene	91-57-6	< 1.00	< 0.311	
2-Methylphenol	95-48-7	< 10.0	< 0.312	
2-Nitroaniline	88-74-4	< 10.0	< 1.9	
2-Nitrophenol	88-75-5	< 10.0	< 0.320	
3&4-Methyl Phenol	3&4-Methyl Phenol	< 10.0	< 0.266	
3,3-Dichlorobenzidine	91-94-1	< 10.0	< 2.02	
3-Nitroaniline	99-09-2	< 10.0	< 0.308	
4,6-Dinitro-2-methylphenol	534-52-1	< 10.0	< 2.62	
4-Bromophenyl-phenylether	101-55-3	< 10.0	< 0.335	
4-Chloro-3-methylphenol	59-50-7	< 10.0	< 0.263	
4-Chloroaniline	106-47-8	< 10.0	< 0.382	
4-Chlorophenyl-phenylether	7005-72-3	< 10.0	< 0.303	
4-Nitroaniline	100-01-6	< 10.0	< 0.349	
4-Nitrophenol	100-02-7	< 10.0	< 2.01	
Acenaphthene	83-32-9	< 1.00	< 0.316	
Acenaphthylene	208-96-8	< 1.00	< 0.309	
Acetophenone	98-86-2	< 10.0	< 2.47	
Anthracene	120-12-7	< 1.00	< 0.291	
Atrazine	1912-24-9	< 10.0	< 1.53	
Benzaldehyde	100-52-7	< 10.0	< 1.4	
Benzo(a)anthracene	56-55-3	< 1.00	< 0.00293	
Benzo(a)pyrene	50-32-8	< 0.200	< 0.0381	
Benzo(b)fluoranthene	205-99-2	< 1.00	< 0.0896	
Benzo(g,h,i)perylene	191-24-2	< 1.00	< 0.00227	
Benzo(k)fluoranthene	207-08-9	< 1.00	< 0.355	
Benzylbutyl phthalate	85-68-7	< 3.00	< 0.275	

Quality Control Summary

SDG: L753137

TRC Solutions - Austin, TX

Test:	Semi-Volatile Organic Compounds by Method 8270 C		
Project No:	227000	Matrix:	Water - ug/L
Project:	Lovington Lea Refinery	EPA ID:	TN00003
Collection Date:	3/9/2015	Analytic Batch:	WG775448
Analysis Date:	3/17/2015 1:02:00 AM	Analyst:	377
Instrument ID:	BNAMS20, BNAMS15	Prep Date:	3/12/2015
Sample Numbers:	L753137-01, -02, -03, -04		

Method Blank

Analyte	CAS	PQL	MDL	Qualifier
Biphenyl	92-52-4	< 10.0	< 0.206	
Bis(2-chlorethoxy)methane	111-91-1	< 10.0	< 0.329	
Bis(2-chloroethyl)ether	111-44-4	< 10.0	< 1.62	
Bis(2-chloroisopropyl)ether	108-60-1	< 10.0	< 0.445	
Bis(2-ethylhexyl)phthalate	117-81-7	< 3.00	< 0.709	
Caprolactam	105-60-2	< 10.0	< 0.583	
Carbazole	86-74-8	< 10.0	< 0.162	
Chrysene	218-01-9	< 1.00	< 0.332	
Dibenz(a,h)anthracene	53-70-3	< 0.200	< 0.0644	
Dibenzofuran	132-64-9	< 10.0	< 0.338	
Diethyl phthalate	84-66-2	< 3.00	< 0.282	
Dimethyl phthalate	131-11-3	< 3.00	< 0.283	
Di-n-butyl phthalate	84-74-2	< 3.00	0.576	
Di-n-octyl phthalate	117-84-0	< 3.00	< 0.278	
Fluoranthene	206-44-0	< 1.00	< 0.310	
Fluorene	86-73-7	< 1.00	< 0.323	
Hexachloro-1,3-butadiene	87-68-3	< 10.0	< 0.329	
Hexachlorobenzene	118-74-1	< 1.00	< 0.341	
Hexachlorocyclopentadiene	77-47-4	< 10.0	< 2.33	
Hexachloroethane	67-72-1	< 10.0	< 0.365	
Indeno(1,2,3-cd)pyrene	193-39-5	< 1.00	< 0.279	
Isophorone	78-59-1	< 10.0	< 0.272	
Naphthalene	91-20-3	< 1.00	< 0.372	
Nitrobenzene	98-95-3	< 10.0	< 0.367	
n-Nitrosodi-n-propylamine	621-64-7	< 10.0	< 0.403	
n-Nitrosodiphenylamine	86-30-6	< 10.0	< 0.304	
Pentachlorophenol	87-86-5	< 10.0	< 0.313	
Phenanthrene	85-01-8	< 1.00	< 0.366	
Phenol	108-95-2	< 10.0	< 0.334	
Pyrene	129-00-0	< 1.00	< 0.330	

Quality Control Summary

SDG: L753137

TRC Solutions - Austin, TX

Test:	Semi-Volatile Organic Compounds by Method 8270 C		
Project No:	227000	Matrix:	Water - ug/L
Project:	Lovington Lea Refinery	EPA ID:	TN00003
Collection Date:	3/9/2015	Analytic Batch:	WG775448
Analysis Date:	3/17/2015 1:02:00 AM	Analyst:	377
Instrument ID:	BNAMS20, BNAMS15	Prep Date:	3/12/2015
Sample Numbers:	L753137-01, -02, -03, -04		

Laboratory Control Sample (LCS)

Analyte	Dil	True Value	Found	% Rec	Control Limits	Qual
1,2,4-Trichlorobenzene	1	25	10.130	40.5	22.9 - 96.1	
1-Methylnaphthalene	1	25	12.652	50.6	34.7 - 102	
2,4,5-Trichlorophenol	1	25	17.238	69	34.9 - 112	
2,4,6-Trichlorophenol	1	25	16.172	64.7	29.8 - 107	
2,4-Dichlorophenol	1	25	12.835	51.3	31.4 - 103	
2,4-Dimethylphenol	1	25	12.801	51.2	31.9 - 107	
2,4-Dinitrophenol	1	25	11.616	46.5	24.2 - 128	
2,4-Dinitrotoluene	1	25	19.376	77.5	31.2 - 105	
2,6-Dinitrotoluene	1	25	17.861	71.4	30.6 - 106	
2-Chloronaphthalene	1	25	13.936	55.7	33.6 - 105	
2-Chlorophenol	1	25	9.2037	36.8	26.2 - 91.5	
2-Methylnaphthalene	1	25	11.292	45.2	33.8 - 98.6	
2-Methylphenol	1	25	9.1274	36.5	26.4 - 86.9	
2-Nitroaniline	1	25	16.688	66.8	35.6 - 113	
2-Nitrophenol	1	25	11.127	44.5	25.9 - 106	
3&4-Methyl Phenol	1	25	10.713	42.9	27.9 - 92	
3,3-Dichlorobenzidine	1	25	19.490	78	27.2 - 142	
3-Nitroaniline	1	25	18.618	74.5	33.6 - 103	
4,6-Dinitro-2-methylphenol	1	25	18.312	73.2	18.4 - 148	
4-Bromophenyl-phenylether	1	25	18.234	72.9	40.7 - 116	
4-Chloro-3-methylphenol	1	25	15.100	60.4	35.7 - 100	
4-Chloroaniline	1	25	11.429	45.7	32 - 104	
4-Chlorophenyl-phenylether	1	25	16.885	67.5	39 - 113	
4-Nitroaniline	1	25	20.686	82.7	35.4 - 124	
4-Nitrophenol	1	25	6.9506	27.8	10 - 52.7	
Acenaphthene	1	25	14.963	59.9	38.7 - 109	
Acenaphthylene	1	25	14.889	59.6	36 - 106	
Acetophenone	1	25	9.2830	37.1	41.6 - 104	J4
Anthracene	1	25	18.236	72.9	43.6 - 113	
Atrazine	1	25	20.276	81.1	50 - 123	
Benzaldehyde	1	25	6.8803	27.5	11.7 - 132.2	
Benzo(a)anthracene	1	25	19.275	77.1	51.2 - 112	
Benzo(a)pyrene	1	25	19.922	79.7	45.6 - 106	
Benzo(b)fluoranthene	1	25	18.775	75.1	47.6 - 111	
Benzo(g,h,i)perylene	1	25	19.631	78.5	45.2 - 117	
Benzo(k)fluoranthene	1	25	19.827	79.3	49.4 - 114	

Quality Control Summary

SDG: L753137

TRC Solutions - Austin, TX

Test:	Semi-Volatile Organic Compounds by Method 8270 C		
Project No:	227000	Matrix:	Water - ug/L
Project:	Lovington Lea Refinery	EPA ID:	TN00003
Collection Date:	3/9/2015	Analytic Batch:	WG775448
Analysis Date:	3/17/2015 1:02:00 AM	Analyst:	377
Instrument ID:	BNAMS20, BNAMS15	Prep Date:	3/12/2015
Sample Numbers:	L753137-01, -02, -03, -04		

Laboratory Control Sample (LCS)

Analyte	Dil	True Value	Found	% Rec	Control Limits	Qual
Benzylbutyl phthalate	1	25	18.450	73.8	31.8 - 123	
Biphenyl	1	25	14.550	58.2	38 - 103	
Bis(2-chlorethoxy)methane	1	25	12.385	49.5	37.2 - 111	
Bis(2-chloroethyl)ether	1	25	9.4263	37.7	22.6 - 108	
Bis(2-chloroisopropyl)ether	1	25	9.5503	38.2	32.9 - 100	
Bis(2-ethylhexyl)phthalate	1	25	18.889	75.6	36.9 - 134	
Caprolactam	1	25	3.9481	15.8	10 - 40.4	
Carbazole	1	25	19.328	77.3	49 - 110	
Chrysene	1	25	18.624	74.5	54.6 - 120	
Dibenz(a,h)anthracene	1	25	19.697	78.8	42.8 - 118	
Dibenzofuran	1	25	16.084	64.3	42.4 - 105	
Diethyl phthalate	1	25	19.819	79.3	36.5 - 129	
Dimethyl phthalate	1	25	18.330	73.3	35.3 - 128	
Di-n-butyl phthalate	1	25	19.453	77.8	41.8 - 120	
Di-n-octyl phthalate	1	25	18.543	74.2	39.7 - 112	
Fluoranthene	1	25	19.690	78.8	45.9 - 115	
Fluorene	1	25	16.951	67.8	41 - 112	
Hexachloro-1,3-butadiene	1	25	9.7757	39.1	16.1 - 104	
Hexachlorobenzene	1	25	18.484	73.9	38.5 - 116	
Hexachlorocyclopentadiene	1	25	6.0292	24.1	10 - 121	
Hexachloroethane	1	25	9.0613	36.2	16.5 - 89.8	
Indeno(1,2,3-cd)pyrene	1	25	19.538	78.2	45 - 116	
Isophorone	1	25	13.215	52.9	35.4 - 112	
Naphthalene	1	25	10.014	40.1	32.2 - 101	
Nitrobenzene	1	25	10.594	42.4	31.4 - 106	
n-Nitrosodi-n-propylamine	1	25	11.301	45.2	33.2 - 106	
n-Nitrosodiphenylamine	1	25	18.529	74.1	44.4 - 113	
Pentachlorophenol	1	25	16.763	67.1	10 - 97.4	
Phenanthrene	1	25	18.410	73.6	46.4 - 113	
Phenol	1	25	5.7646	23.1	10 - 57.9	
Pyrene	1	25	18.501	74	46.3 - 117	

Quality Control Summary

SDG: L753137

TRC Solutions - Austin, TX

Test:	Semi-Volatile Organic Compounds by Method 8270 C		
Project No:	227000	Matrix:	Water - ug/L
Project:	Lovington Lea Refinery	EPA ID:	TN00003
Collection Date:	3/9/2015	Analytic Batch:	WG775448
Analysis Date:	3/17/2015 1:02:00 AM	Analyst:	377
Instrument ID:	BNAMS20, BNAMS15	Prep Date:	3/12/2015
Sample Numbers:	L753137-01, -02, -03, -04		

Laboratory Control Sample Duplicate (LCSD)

Analyte	Dil	True Value	Found	% Rec	Control Limits	Qual
1,2,4-Trichlorobenzene	1	25	9.9154	39.7	22.9 - 96.1	
1-Methylnaphthalene	1	25	13.317	53.3	34.7 - 102	
2,4,5-Trichlorophenol	1	25	16.979	67.9	34.9 - 112	
2,4,6-Trichlorophenol	1	25	16.853	67.4	29.8 - 107	
2,4-Dichlorophenol	1	25	11.723	46.9	31.4 - 103	
2,4-Dimethylphenol	1	25	13.381	53.5	31.9 - 107	
2,4-Dinitrophenol	1	25	13.562	54.2	24.2 - 128	
2,4-Dinitrotoluene	1	25	20.254	81	31.2 - 105	
2,6-Dinitrotoluene	1	25	19.805	79.2	30.6 - 106	
2-Chloronaphthalene	1	25	14.453	57.8	33.6 - 105	
2-Chlorophenol	1	25	8.3951	33.6	26.2 - 91.5	
2-Methylnaphthalene	1	25	11.748	47	33.8 - 98.6	
2-Methylphenol	1	25	8.6771	34.7	26.4 - 86.9	
2-Nitroaniline	1	25	19.147	76.6	35.6 - 113	
2-Nitrophenol	1	25	10.467	41.9	25.9 - 106	
3&4-Methyl Phenol	1	25	10.553	42.2	27.9 - 92	
3,3-Dichlorobenzidine	1	25	20.882	83.5	27.2 - 142	
3-Nitroaniline	1	25	20.094	80.4	33.6 - 103	
4,6-Dinitro-2-methylphenol	1	25	19.166	76.7	18.4 - 148	
4-Bromophenyl-phenylether	1	25	19.709	78.8	40.7 - 116	
4-Chloro-3-methylphenol	1	25	15.397	61.6	35.7 - 100	
4-Chloroaniline	1	25	12.306	49.2	32 - 104	
4-Chlorophenyl-phenylether	1	25	17.988	72	39 - 113	
4-Nitroaniline	1	25	21.497	86	35.4 - 124	
4-Nitrophenol	1	25	7.3738	29.5	10 - 52.7	
Acenaphthene	1	25	15.847	63.4	38.7 - 109	
Acenaphthylene	1	25	14.822	59.3	36 - 106	
Acetophenone	1	25	8.8872	35.5	41.6 - 104	J4
Anthracene	1	25	19.134	76.5	43.6 - 113	
Atrazine	1	25	20.089	80.4	50 - 123	
Benzaldehyde	1	25	6.7156	26.9	11.7 - 132.2	
Benzo(a)anthracene	1	25	20.838	83.4	51.2 - 112	
Benzo(a)pyrene	1	25	20.947	83.8	45.6 - 106	
Benzo(b)fluoranthene	1	25	20.737	82.9	47.6 - 111	
Benzo(g,h,i)perylene	1	25	21.240	85	45.2 - 117	
Benzo(k)fluoranthene	1	25	20.908	83.6	49.4 - 114	

Quality Control Summary

SDG: L753137

TRC Solutions - Austin, TX

Test:	Semi-Volatile Organic Compounds by Method 8270 C		
Project No:	227000	Matrix:	Water - ug/L
Project:	Lovington Lea Refinery	EPA ID:	TN00003
Collection Date:	3/9/2015	Analytic Batch:	WG775448
Analysis Date:	3/17/2015 1:02:00 AM	Analyst:	377
Instrument ID:	BNAMS20, BNAMS15	Prep Date:	3/12/2015
Sample Numbers:	L753137-01, -02, -03, -04		

Laboratory Control Sample Duplicate (LCSD)

Analyte	Dil	True Value	Found	% Rec	Control Limits	Qual
Benzylbutyl phthalate	1	25	19.530	78.1	31.8 - 123	
Biphenyl	1	25	14.782	59.1	38 - 103	
Bis(2-chlorethoxy)methane	1	25	13.012	52	37.2 - 111	
Bis(2-chloroethyl)ether	1	25	8.4745	33.9	22.6 - 108	
Bis(2-chloroisopropyl)ether	1	25	9.6805	38.7	32.9 - 100	
Bis(2-ethylhexyl)phthalate	1	25	20.580	82.3	36.9 - 134	
Caprolactam	1	25	5.4071	21.6	10 - 40.4	
Carbazole	1	25	20.369	81.5	49 - 110	
Chrysene	1	25	20.126	80.5	54.6 - 120	
Dibenz(a,h)anthracene	1	25	20.971	83.9	42.8 - 118	
Dibenzofuran	1	25	17.636	70.5	42.4 - 105	
Diethyl phthalate	1	25	20.938	83.8	36.5 - 129	
Dimethyl phthalate	1	25	20.399	81.6	35.3 - 128	
Di-n-butyl phthalate	1	25	20.283	81.1	41.8 - 120	
Di-n-octyl phthalate	1	25	19.656	78.6	39.7 - 112	
Fluoranthene	1	25	20.317	81.3	45.9 - 115	
Fluorene	1	25	17.573	70.3	41 - 112	
Hexachloro-1,3-butadiene	1	25	10.403	41.6	16.1 - 104	
Hexachlorobenzene	1	25	20.383	81.5	38.5 - 116	
Hexachlorocyclopentadiene	1	25	5.5109	22	10 - 121	
Hexachloroethane	1	25	7.6992	30.8	16.5 - 89.8	
Indeno(1,2,3-cd)pyrene	1	25	21.312	85.2	45 - 116	
Isophorone	1	25	14.221	56.9	35.4 - 112	
Naphthalene	1	25	10.689	42.8	32.2 - 101	
Nitrobenzene	1	25	10.705	42.8	31.4 - 106	
n-Nitrosodi-n-propylamine	1	25	11.369	45.5	33.2 - 106	
n-Nitrosodiphenylamine	1	25	19.827	79.3	44.4 - 113	
Pentachlorophenol	1	25	17.253	69	10 - 97.4	
Phenanthrene	1	25	19.593	78.4	46.4 - 113	
Phenol	1	25	5.7033	22.8	10 - 57.9	
Pyrene	1	25	19.694	78.8	46.3 - 117	

Quality Control Summary

SDG: L753137

TRC Solutions - Austin, TX

Test:	Semi-Volatile Organic Compounds by Method 8270 C		
Project No:	227000	Matrix:	Water - ug/L
Project:	Lovington Lea Refinery	EPA ID:	TN00003
Collection Date:	3/9/2015	Analytic Batch:	WG775448
Analysis Date:	3/17/2015 1:02:00 AM	Analyst:	377
Instrument ID:	BNAMS20, BNAMS15	Prep Date:	3/12/2015
Sample Numbers:	L753137-01, -02, -03, -04		

Laboratory Control Sample / Laboratory Control Sample Duplicate

Analyte	Dil	Spike	LCS	% Rec	LCSD	% Rec	Control Limits	% Rec Qual	Control RPD Limits	Qual
1,2,4-Trichlorobenzene	1	25	10.130	40.5	9.9154	39.7	22.9 - 96.1		2.14	27.5
1-Methylnaphthalene	1	25	12.652	50.6	13.317	53.3	34.7 - 102		5.12	24.9
2,4,5-Trichlorophenol	1	25	17.238	69	16.979	67.9	34.9 - 112		1.51	23.9
2,4,6-Trichlorophenol	1	25	16.172	64.7	16.853	67.4	29.8 - 107		4.13	24.1
2,4-Dichlorophenol	1	25	12.835	51.3	11.723	46.9	31.4 - 103		9.06	24.9
2,4-Dimethylphenol	1	25	12.801	51.2	13.381	53.5	31.9 - 107		4.44	25.7
2,4-Dinitrophenol	1	25	11.616	46.5	13.562	54.2	24.2 - 128		15.5	20.5
2,4-Dinitrotoluene	1	25	19.376	77.5	20.254	81	31.2 - 105		4.43	22
2,6-Dinitrotoluene	1	25	17.861	71.4	19.805	79.2	30.6 - 106		10.3	23.1
2-Chloronaphthalene	1	25	13.936	55.7	14.453	57.8	33.6 - 105		3.64	23
2-Chlorophenol	1	25	9.2037	36.8	8.3951	33.6	26.2 - 91.5		9.19	26.5
2-Methylnaphthalene	1	25	11.292	45.2	11.748	47	33.8 - 98.6		3.96	24.2
2-Methylphenol	1	25	9.1274	36.5	8.6771	34.7	26.4 - 86.9		5.06	26.5
2-Nitroaniline	1	25	16.688	66.8	19.147	76.6	35.6 - 113		13.7	20.9
2-Nitrophenol	1	25	11.127	44.5	10.467	41.9	25.9 - 106		6.11	26.9
3&4-Methyl Phenol	1	25	10.713	42.9	10.553	42.2	27.9 - 92		1.5	27
3,3-Dichlorobenzidine	1	25	19.490	78	20.882	83.5	27.2 - 142		6.89	22.3
3-Nitroaniline	1	25	18.618	74.5	20.094	80.4	33.6 - 103		7.63	21.8
4,6-Dinitro-2-methylphenol	1	25	18.312	73.2	19.166	76.7	18.4 - 148		4.56	24.4
4-Bromophenyl-phenylether	1	25	18.234	72.9	19.709	78.8	40.7 - 116		7.78	21
4-Chloro-3-methylphenol	1	25	15.100	60.4	15.397	61.6	35.7 - 100		1.95	22.9
4-Chloroaniline	1	25	11.429	45.7	12.306	49.2	32 - 104		7.39	26.4
4-Chlorophenyl-phenylether	1	25	16.885	67.5	17.988	72	39 - 113		6.32	20.9
4-Nitroaniline	1	25	20.686	82.7	21.497	86	35.4 - 124		3.85	23.1
4-Nitrophenol	1	25	6.9506	27.8	7.3738	29.5	10 - 52.7		5.91	40
Acenaphthene	1	25	14.963	59.9	15.847	63.4	38.7 - 109		5.74	21.5
Acenaphthylene	1	25	14.889	59.6	14.822	59.3	36 - 106		0.45	21
Acetophenone	1	25	9.2830	37.1	8.8872	35.5	41.6 - 104	J4	4.36	24.8
Anthracene	1	25	18.236	72.9	19.134	76.5	43.6 - 113		4.81	18.8
Atrazine	1	25	20.276	81.1	20.089	80.4	50 - 123		0.93	21.5
Benzaldehyde	1	25	6.8803	27.5	6.7156	26.9	11.7 - 132.2		2.42	25.2
Benzo(a)anthracene	1	25	19.275	77.1	20.838	83.4	51.2 - 112		7.79	20
Benzo(a)pyrene	1	25	19.922	79.7	20.947	83.8	45.6 - 106		5.01	20
Benzo(b)fluoranthene	1	25	18.775	75.1	20.737	82.9	47.6 - 111		9.93	20
Benzo(g,h,i)perylene	1	25	19.631	78.5	21.240	85	45.2 - 117		7.87	20

Quality Control Summary

SDG: L753137

TRC Solutions - Austin, TX

Test:	Semi-Volatile Organic Compounds by Method 8270 C		
Project No:	227000	Matrix:	Water - ug/L
Project:	Lovington Lea Refinery	EPA ID:	TN00003
Collection Date:	3/9/2015	Analytic Batch:	WG775448
Analysis Date:	3/17/2015 1:02:00 AM	Analyst:	377
Instrument ID:	BNAMS20, BNAMS15	Prep Date:	3/12/2015
Sample Numbers:	L753137-01, -02, -03, -04		

Laboratory Control Sample / Laboratory Control Sample Duplicate

Analyte	Dil	Spike	LCS	% Rec	LCSD	% Rec	Control Limits	% Rec Qual	Control RPD Limits	RPD Qual
Benzo(k)fluoranthene	1	25	19.827	79.3	20.908	83.6	49.4 - 114	5.31	20	
Benzylbutyl phthalate	1	25	18.450	73.8	19.530	78.1	31.8 - 123	5.69	20.7	
Biphenyl	1	25	14.550	58.2	14.782	59.1	38 - 103	1.58	20.1	
Bis(2-chlorethoxy)methane	1	25	12.385	49.5	13.012	52	37.2 - 111	4.94	24.1	
Bis(2-chloroethyl)ether	1	25	9.4263	37.7	8.4745	33.9	22.6 - 108	10.6	27.9	
Bis(2-chloroisopropyl)ether	1	25	9.5503	38.2	9.6805	38.7	32.9 - 100	1.35	25.1	
Bis(2-ethylhexyl)phthalate	1	25	18.889	75.6	20.580	82.3	36.9 - 134	8.57	23.6	
Caprolactam	1	25	3.9481	15.8	5.4071	21.6	10 - 40.4	31.2	40	
Carbazole	1	25	19.328	77.3	20.369	81.5	49 - 110	5.24	20	
Chrysene	1	25	18.624	74.5	20.126	80.5	54.6 - 120	7.75	20	
Dibenz(a,h)anthracene	1	25	19.697	78.8	20.971	83.9	42.8 - 118	6.26	20	
Dibenzofuran	1	25	16.084	64.3	17.636	70.5	42.4 - 105	9.21	20	
Diethyl phthalate	1	25	19.819	79.3	20.938	83.8	36.5 - 129	5.49	20	
Dimethyl phthalate	1	25	18.330	73.3	20.399	81.6	35.3 - 128	10.7	20.8	
Di-n-butyl phthalate	1	25	19.453	77.8	20.283	81.1	41.8 - 120	4.17	20.2	
Di-n-octyl phthalate	1	25	18.543	74.2	19.656	78.6	39.7 - 112	5.83	21.1	
Fluoranthene	1	25	19.690	78.8	20.317	81.3	45.9 - 115	3.13	20	
Fluorene	1	25	16.951	67.8	17.573	70.3	41 - 112	3.6	20.2	
Hexachloro-1,3-butadiene	1	25	9.7757	39.1	10.403	41.6	16.1 - 104	6.22	31.2	
Hexachlorobenzene	1	25	18.484	73.9	20.383	81.5	38.5 - 116	9.77	20.1	
Hexachlorocyclopentadiene	1	25	6.0292	24.1	5.5109	22	10 - 121	8.98	27.9	
Hexachloroethane	1	25	9.0613	36.2	7.6992	30.8	16.5 - 89.8	16.2	30.7	
Indeno(1,2,3-cd)pyrene	1	25	19.538	78.2	21.312	85.2	45 - 116	8.69	20	
Isophorone	1	25	13.215	52.9	14.221	56.9	35.4 - 112	7.34	21.5	
Naphthalene	1	25	10.014	40.1	10.689	42.8	32.2 - 101	6.52	23.8	
Nitrobenzene	1	25	10.594	42.4	10.705	42.8	31.4 - 106	1.04	25.7	
n-Nitrosodi-n-propylamine	1	25	11.301	45.2	11.369	45.5	33.2 - 106	0.6	23.7	
n-Nitrosodiphenylamine	1	25	18.529	74.1	19.827	79.3	44.4 - 113	6.77	20	
Pentachlorophenol	1	25	16.763	67.1	17.253	69	10 - 97.4	2.88	35.1	
Phenanthrene	1	25	18.410	73.6	19.593	78.4	46.4 - 113	6.23	20	
Phenol	1	25	5.7646	23.1	5.7033	22.8	10 - 57.9	1.07	35	
Pyrene	1	25	18.501	74	19.694	78.8	46.3 - 117	6.25	20	

Billing Information:			Analysis / Container / Preservative										Chain of Custody Page ____ of ____			
TRC Environmental 505 E. Huntland Drive, Suite 250 Austin, TX 78752													 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			
Email To: jspeer@trcsolutions.com													L# <u>L753137</u> A060			
City/State Collected:													Acctnum:			
Lab Project #													Template:			
P.O. #													Prelogin:			
Date Results Needed													TSR:			
Default													PB:			
Email? ☐ No ☒ Yes													Shipped Via:			
FAX? ☒ No ☐ Yes													Rem./Contaminant			
No. of Conts													Sample # (lab only)			
Grab	Matrix *	Depth	Date	Time		VOCs (8260) - Select List	LL SVOCs (8270) - TCL + 1-methylnaphthalene	Total Metals (7470) - Hg - Lab Filtered <2	Dissolved Metals (6020) - Select List - Lab Filtered	Anions (300) - Cl, F, SO4	Alkalinity	pH	Specific Conductivity	TDS	Nitrate/Nitrite (353.2)	
ab	GW	-	03/09/15	1630	89	X	X	X	X	X	X	X	X	X	X	
		-	03/09/15	1725	91											-01
		-	03/09/15	1725	91											-02
		-	03/09/15	1525	91											-03
		-	03/09/15	1525	91											-04
		-			1	X										

WasteWater DW - Drinking Water OT - Other _____				pH _____ Temp _____		630937349467	
0.05 micron filter and dissolved metals with 0.45 micron filter.				Flow _____ Other _____		Hold #	
Date:	Time:	Received by: (Signature)	Samples returned via: ☐ UPS		Condition: (lab use only)		
03/09/15			☒ FedEx ☐ Courier ☐ _____		M3		
Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received:		COC Seal Intact: ☒ Y ☐ N ☐ NA		
3/11/15	12:12		32 36		✓		
Date:	Time:	Received for lab by: (Signature)	Date: Time:		pH Checked:		NCF:
		Daly	3-12-15 0930		<2		X

Non-Conformance (check applicable items)

Sample Integrity	Chain of Custody Clarification	If Broken Container:
Parameter(s) past holding time	X Login Clarification Needed	
Improper temperature	Chain of custody is incomplete	Insufficient packing material around container
Improper container type	Please specify Metals requested.	Insufficient packing material inside cooler
Improper preservation	Please specify TCLP requested.	Improper handling by carrier (FedEx / UPS / Courier)
Insufficient sample volume.	Received additional samples not listed on coc.	Sample was frozen
Sample is biphasic.	Sample ids on containers do not match ids on coc	Container lid not intact
Vials received with headspace.	Trip Blank not received.	If no Chain of Custody:
Broken container	Client did not "X" analysis.	Received by:
Broken container:	Chain of Custody is missing	Date/Time:
Sufficient sample remains		Temp./Cont. Rec./pH:
		Carrier:
		Tracking#

Login Comments: What metals for total and dissolved?

Client informed by:	Call	Email	Voice Mail	Date: 3/12/15	Time: 1745
TSR Initials: MB	Client Contact:				

Login Instructions:
M6010TAL & M6010TAL-D
Change ESC key to *TRCATX-LOVINGTON NAV*

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Mt. Juliet, TN 37122
(615) 758-5858
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Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

John Allen
TRC Solutions
505 E. Huntland Drive, Suite 250
Austin, TX 78752

Report Summary

Monday June 01, 2015

Report Number: L766516

Samples Received: 05/21/15

Client Project: 227000

Description:

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

Entire Report Reviewed By:

Pam Langford , ESC Representative

Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - 01157CA, CT - PH-0197,
FL - E87487, GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016,
NC - ENV375/DW21704/B10041, ND - R-140, NJ - TN002, NJ NELAP - TN002,
SC - 84004, TN - 2006, VA - 460132, WV - 233, AZ - 0612,
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(615) 758-5858
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Fax (615) 758-5859

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REPORT OF ANALYSIS

John Allen
TRC Solutions
505 E. Huntland Drive, Suite 250
Austin, TX 78752

June 01, 2015

Date Received : May 21, 2015
Description :

Sample ID : NORTH WELL

Collected By : Geoffry Leking
Collection Date : 05/19/15 12:35

ESC Sample # : L766516-01

Site ID : NAVAJO LOVINGTON REFIN

Project # : 227000

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Chloride	110	0.26	5.0	mg/l		9056	05/27/15	5
Fluoride	0.88	0.050	0.50	mg/l		9056	05/27/15	5
Sulfate	73.	0.39	25.	mg/l		9056	05/27/15	5
Alkalinity	190	2.6	20.	mg/l		2320 B-	05/27/15	1
pH	7.6	-33.		su	JT8	9040C	05/22/15	1
Nitrate-Nitrite	3.2	0.020	0.10	mg/l		353.2	06/01/15	1
Specific Conductance	900	-33.		umhos/cm	J	9050A	05/22/15	1
Dissolved Solids	550	2.8	10.	mg/l		2540 C-	05/23/15	1
Arsenic, Dissolved	0.0060	0.00025	0.0020	mg/l		6020	05/27/15	1
Lead, Dissolved	0.00074	0.00024	0.0020	mg/l	J	6020	05/27/15	1
Molybdenum, Dissolved	0.0042	0.00014	0.0050	mg/l	J	6020	05/27/15	1
Selenium, Dissolved	0.0033	0.00038	0.0020	mg/l		6020	05/28/15	1
Uranium, Dissolved	0.0018	0.00033	0.010	mg/l	J	6020	05/27/15	1
Mercury	U	0.000049	0.00020	mg/l		7470A	05/22/15	1
Aluminum, Dissolved	U	0.035	0.10	mg/l		6010B	05/26/15	1
Barium, Dissolved	0.11	0.0017	0.0050	mg/l		6010B	05/26/15	1
Boron, Dissolved	0.14	0.013	0.20	mg/l	J	6010B	05/26/15	1
Cadmium, Dissolved	U	0.00070	0.0050	mg/l		6010B	05/26/15	1
Calcium, Dissolved	100	0.046	1.0	mg/l		6010B	05/26/15	1
Chromium, Dissolved	0.0018	0.0014	0.010	mg/l	J	6010B	05/26/15	1
Cobalt, Dissolved	U	0.0023	0.010	mg/l		6010B	05/26/15	1
Copper, Dissolved	0.015	0.0053	0.020	mg/l	J	6010B	05/26/15	1
Iron, Dissolved	U	0.014	0.10	mg/l		6010B	05/26/15	1
Magnesium, Dissolved	11.	0.011	1.0	mg/l		6010B	05/26/15	1
Manganese, Dissolved	U	0.0012	0.010	mg/l		6010B	05/26/15	1
Nickel, Dissolved	U	0.0049	0.020	mg/l		6010B	05/26/15	1
Potassium, Dissolved	2.3	0.10	1.0	mg/l		6010B	05/26/15	1
Silver, Dissolved	U	0.0028	0.010	mg/l		6010B	05/26/15	1
Sodium, Dissolved	68.	0.098	1.0	mg/l		6010B	05/26/15	1
Zinc, Dissolved	0.017	0.0059	0.050	mg/l	J	6010B	05/26/15	1
Volatile Organics								
Acetone	U	0.010	1.0	mg/l		8260B	05/25/15	1
Benzene	U	0.00033	0.0010	mg/l		8260B	05/25/15	1
Bromodichloromethane	U	0.00038	0.0013	mg/l		8260B	05/25/15	1

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L766516-01 (PH) - 7.6 at 19.3c



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Mt. Juliet, TN 37122
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1-800-767-5859
Fax (615) 758-5859

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Est. 1970

REPORT OF ANALYSIS

John Allen
TRC Solutions
505 E. Huntland Drive, Suite 250
Austin, TX 78752

June 01, 2015

Date Received : May 21, 2015
Description :

Sample ID : NORTH WELL

Collected By : Geoffry Leking
Collection Date : 05/19/15 12:35

ESC Sample # : L766516-01

Site ID : NAVAJO LOVINGTON REFIN

Project # : 227000

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Bromoform	U	0.00047	0.0010	mg/l		8260B	05/25/15	1
Bromomethane	U	0.00087	0.0050	mg/l		8260B	05/25/15	1
n-Butylbenzene	U	0.00036	0.0010	mg/l		8260B	05/25/15	1
sec-Butylbenzene	U	0.00036	0.0010	mg/l		8260B	05/25/15	1
tert-Butylbenzene	U	0.00040	0.0010	mg/l		8260B	05/25/15	1
Carbon disulfide	U	0.00028	0.0010	mg/l		8260B	05/25/15	1
Carbon tetrachloride	U	0.00038	0.0010	mg/l		8260B	05/25/15	1
Chlorobenzene	U	0.00035	0.0010	mg/l		8260B	05/25/15	1
Chlorodibromomethane	U	0.00033	0.0010	mg/l		8260B	05/25/15	1
Chloroethane	U	0.00045	0.0050	mg/l		8260B	05/25/15	1
Chloroform	U	0.00032	0.0050	mg/l		8260B	05/25/15	1
Chloromethane	U	0.00028	0.0025	mg/l		8260B	05/25/15	1
1,2-Dibromoethane	U	0.00038	0.0010	mg/l		8260B	05/25/15	1
1,1-Dichloroethane	U	0.00026	0.0010	mg/l		8260B	05/25/15	1
1,2-Dichloroethane	U	0.00036	0.0010	mg/l		8260B	05/25/15	1
1,1-Dichloroethene	U	0.00040	0.0010	mg/l		8260B	05/25/15	1
cis-1,2-Dichloroethene	U	0.00026	0.0010	mg/l		8260B	05/25/15	1
trans-1,2-Dichloroethene	U	0.00040	0.0010	mg/l		8260B	05/25/15	1
1,2-Dichloropropane	U	0.00031	0.0010	mg/l		8260B	05/25/15	1
cis-1,3-Dichloropropene	U	0.00042	0.0010	mg/l		8260B	05/25/15	1
trans-1,3-Dichloropropene	U	0.00042	0.0010	mg/l		8260B	05/25/15	1
Ethylbenzene	U	0.00038	0.0010	mg/l		8260B	05/25/15	1
Hexachloro-1,3-butadiene	U	0.00026	0.0010	mg/l		8260B	05/25/15	1
2-Hexanone	U	0.0038	0.010	mg/l		8260B	05/25/15	1
Isopropylbenzene	U	0.00033	0.0010	mg/l		8260B	05/25/15	1
p-Isopropyltoluene	U	0.00035	0.0010	mg/l		8260B	05/25/15	1
2-Butanone (MEK)	U	0.0039	0.010	mg/l		8260B	05/25/15	1
Methylene Chloride	U	0.0010	0.0050	mg/l		8260B	05/25/15	1
4-Methyl-2-pentanone (MIBK)	U	0.0021	0.010	mg/l		8260B	05/25/15	1
Methyl tert-butyl ether	U	0.00037	0.0010	mg/l		8260B	05/25/15	1
Naphthalene	U	0.0010	0.0050	mg/l		8260B	05/25/15	1
n-Propylbenzene	U	0.00035	0.0010	mg/l		8260B	05/25/15	1
Styrene	U	0.00031	0.0010	mg/l		8260B	05/25/15	1
1,1,2,2-Tetrachloroethane	U	0.00013	0.0010	mg/l		8260B	05/25/15	1
Tetrachloroethene	U	0.00037	0.0010	mg/l		8260B	05/25/15	1
Toluene	U	0.00078	0.0050	mg/l		8260B	05/25/15	1
1,1,1-Trichloroethane	U	0.00032	0.0010	mg/l		8260B	05/25/15	1
1,1,2-Trichloroethane	U	0.00038	0.0010	mg/l		8260B	05/25/15	1
Trichloroethene	U	0.00040	0.0010	mg/l		8260B	05/25/15	1
1,2,4-Trimethylbenzene	U	0.00037	0.0010	mg/l		8260B	05/25/15	1
1,3,5-Trimethylbenzene	U	0.00039	0.0010	mg/l		8260B	05/25/15	1
Vinyl chloride	U	0.00026	0.0010	mg/l		8260B	05/25/15	1
Xylenes, Total	U	0.0011	0.0030	mg/l		8260B	05/25/15	1

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Fax (615) 758-5859

Tax I.D. 62-0814289

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REPORT OF ANALYSIS

John Allen
TRC Solutions
505 E. Huntland Drive, Suite 250
Austin, TX 78752

June 01, 2015

Date Received : May 21, 2015
Description :

Sample ID : NORTH WELL

Collected By : Geoffry Leking
Collection Date : 05/19/15 12:35

ESC Sample # : L766516-01

Site ID : NAVAJO LOVINGTON REFIN

Project # : 227000

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Surrogate Recovery								
Toluene-d8	101.			% Rec.		8260B	05/25/15	1
Dibromofluoromethane	101.			% Rec.		8260B	05/25/15	1
4-Bromofluorobenzene	95.6			% Rec.		8260B	05/25/15	1
Base/Neutral Extractables								
Acenaphthene	U	0.00032	0.0010	mg/l		8270 C	05/26/15	1
Acenaphthylene	U	0.00031	0.0010	mg/l		8270 C	05/26/15	1
Acetophenone	U	0.0025	0.010	mg/l		8270 C	05/26/15	1
Anthracene	U	0.00029	0.0010	mg/l		8270 C	05/26/15	1
Atrazine	U	0.00026	0.010	mg/l		8270 C	05/26/15	1
Benzo(a)anthracene	U	0.000051	0.0010	mg/l		8270 C	05/26/15	1
Benzaldehyde	U	0.0014	0.010	mg/l	J3	8270 C	05/26/15	1
Benzo(b)fluoranthene	U	0.000090	0.0010	mg/l		8270 C	05/26/15	1
Benzo(k)fluoranthene	U	0.00036	0.0010	mg/l		8270 C	05/26/15	1
Benzo(g,h,i)perylene	U	0.0000023	0.0010	mg/l		8270 C	05/26/15	1
Benzo(a)pyrene	U	0.000038	0.00020	mg/l		8270 C	05/26/15	1
Biphenyl	U	0.00032	0.010	mg/l		8270 C	05/26/15	1
Bis(2-chlorethoxy)methane	U	0.00033	0.010	mg/l		8270 C	05/26/15	1
Bis(2-chloroethyl)ether	U	0.0016	0.010	mg/l		8270 C	05/26/15	1
Bis(2-chloroisopropyl)ether	U	0.00044	0.010	mg/l		8270 C	05/26/15	1
4-Bromophenyl-phenylether	U	0.00034	0.010	mg/l		8270 C	05/26/15	1
2-Chloronaphthalene	U	0.00033	0.0010	mg/l		8270 C	05/26/15	1
4-Chlorophenyl-phenylether	U	0.00030	0.010	mg/l		8270 C	05/26/15	1
Caprolactam	U	0.0026	0.010	mg/l		8270 C	05/26/15	1
Carbazole	U	0.00026	0.010	mg/l		8270 C	05/26/15	1
Chrysene	U	0.00033	0.0010	mg/l		8270 C	05/26/15	1
Dibenz(a,h)anthracene	U	0.000064	0.00020	mg/l		8270 C	05/26/15	1
Dibenzofuran	U	0.00034	0.010	mg/l		8270 C	05/26/15	1
3,3-Dichlorobenzidine	U	0.0020	0.010	mg/l		8270 C	05/26/15	1
2,4-Dinitrotoluene	U	0.0016	0.010	mg/l		8270 C	05/26/15	1
2,6-Dinitrotoluene	U	0.00028	0.010	mg/l		8270 C	05/26/15	1
Fluoranthene	U	0.00031	0.0010	mg/l		8270 C	05/26/15	1
Fluorene	U	0.00032	0.0010	mg/l		8270 C	05/26/15	1
Hexachlorobenzene	U	0.00034	0.0010	mg/l		8270 C	05/26/15	1
Hexachloro-1,3-butadiene	U	0.00033	0.010	mg/l		8270 C	05/26/15	1
Hexachlorocyclopentadiene	U	0.0023	0.010	mg/l		8270 C	05/26/15	1
Hexachloroethane	U	0.00036	0.010	mg/l		8270 C	05/26/15	1
Indeno(1,2,3-cd)pyrene	U	0.00028	0.0010	mg/l		8270 C	05/26/15	1
Isophorone	U	0.00027	0.010	mg/l		8270 C	05/26/15	1
1-Methylnaphthalene	U	0.00033	0.0010	mg/l		8270 C	05/26/15	1
2-Methylnaphthalene	U	0.00031	0.0010	mg/l		8270 C	05/26/15	1
Naphthalene	U	0.00037	0.0010	mg/l		8270 C	05/26/15	1

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REPORT OF ANALYSIS

John Allen
TRC Solutions
505 E. Huntland Drive, Suite 250
Austin, TX 78752

June 01, 2015

Date Received : May 21, 2015
Description :

Sample ID : NORTH WELL

Collected By : Geoffry Leking
Collection Date : 05/19/15 12:35

ESC Sample # : L766516-01

Site ID : NAVAJO LOVINGTON REFIN

Project # : 227000

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Nitrobenzene	U	0.00037	0.010	mg/l		8270 C	05/26/15	1
n-Nitrosodiphenylamine	U	0.00030	0.010	mg/l		8270 C	05/26/15	1
n-Nitrosodi-n-propylamine	U	0.00040	0.010	mg/l		8270 C	05/26/15	1
Phenanthrene	U	0.00037	0.0010	mg/l		8270 C	05/26/15	1
Benzylbutyl phthalate	U	0.00028	0.0030	mg/l		8270 C	05/26/15	1
Bis(2-ethylhexyl)phthalate	U	0.00071	0.0030	mg/l		8270 C	05/26/15	1
Di-n-butyl phthalate	0.00042	0.00027	0.0030	mg/l	J	8270 C	05/26/15	1
Diethyl phthalate	U	0.00028	0.0030	mg/l		8270 C	05/26/15	1
Dimethyl phthalate	U	0.00028	0.0030	mg/l		8270 C	05/26/15	1
Di-n-octyl phthalate	U	0.00028	0.0030	mg/l		8270 C	05/26/15	1
Pyrene	U	0.00033	0.0010	mg/l		8270 C	05/26/15	1
1,2,4-Trichlorobenzene	U	0.00036	0.010	mg/l		8270 C	05/26/15	1
Acid Extractables								
4-Chloro-3-methylphenol	U	0.00026	0.010	mg/l		8270 C	05/26/15	1
2-Chlorophenol	U	0.00028	0.010	mg/l		8270 C	05/26/15	1
2,4-Dichlorophenol	U	0.00028	0.010	mg/l		8270 C	05/26/15	1
2,4-Dimethylphenol	U	0.00062	0.010	mg/l		8270 C	05/26/15	1
4,6-Dinitro-2-methylphenol	U	0.0026	0.010	mg/l		8270 C	05/26/15	1
2,4-Dinitrophenol	U	0.0032	0.010	mg/l		8270 C	05/26/15	1
2-Nitrophenol	U	0.00032	0.010	mg/l		8270 C	05/26/15	1
2-Nitroaniline	U	0.0019	0.010	mg/l		8270 C	05/26/15	1
2-Methylphenol	U	0.00031	0.010	mg/l		8270 C	05/26/15	1
3&4-Methyl Phenol	U	0.00027	0.010	mg/l		8270 C	05/26/15	1
3-Nitroaniline	U	0.00031	0.010	mg/l		8270 C	05/26/15	1
4-Chloroaniline	U	0.00038	0.010	mg/l		8270 C	05/26/15	1
4-Nitroaniline	U	0.00035	0.010	mg/l		8270 C	05/26/15	1
4-Nitrophenol	U	0.0020	0.010	mg/l		8270 C	05/26/15	1
Pentachlorophenol	U	0.00031	0.010	mg/l		8270 C	05/26/15	1
Phenol	U	0.00033	0.010	mg/l		8270 C	05/26/15	1
2,4,5-Trichlorophenol	U	0.00024	0.010	mg/l		8270 C	05/26/15	1
2,4,6-Trichlorophenol	U	0.00030	0.010	mg/l		8270 C	05/26/15	1
Surrogate Recovery								
2-Fluorophenol	46.0			% Rec.		8270 C	05/26/15	1
Phenol-d5	32.1			% Rec.		8270 C	05/26/15	1
Nitrobenzene-d5	57.6			% Rec.		8270 C	05/26/15	1
2-Fluorobiphenyl	64.0			% Rec.		8270 C	05/26/15	1
2,4,6-Tribromophenol	67.1			% Rec.		8270 C	05/26/15	1
p-Terphenyl-d14	67.5			% Rec.		8270 C	05/26/15	1

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(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

John Allen
TRC Solutions
505 E. Huntland Drive, Suite 250
Austin, TX 78752

June 01, 2015

Date Received : May 21, 2015
Description :

Sample ID : SOUTH WELL

Collected By : Geoffry Leking
Collection Date : 05/19/15 10:45

ESC Sample # : L766516-02

Site ID : NAVAJO LOVINGTON REFIN

Project # : 227000

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Chloride	330	0.52	10.	mg/l		9056	05/27/15	10
Fluoride	0.76	0.0099	0.10	mg/l		9056	05/28/15	1
Sulfate	92.	0.77	50.	mg/l		9056	05/27/15	10
Alkalinity	190	2.6	20.	mg/l		2320 B-	05/27/15	1
pH	7.8	-33.		su	JT8	9040C	05/22/15	1
Nitrate-Nitrite	3.2	0.020	0.10	mg/l		353.2	06/01/15	1
Specific Conductance	1600			umhos/cm		9050A	05/26/15	1
Dissolved Solids	1100	2.8	10.	mg/l		2540 C-	05/23/15	1
Arsenic, Dissolved	0.0023	0.00025	0.0020	mg/l		6020	05/27/15	1
Lead, Dissolved	U	0.00024	0.0020	mg/l		6020	05/27/15	1
Molybdenum, Dissolved	0.0022	0.00014	0.0050	mg/l	J	6020	05/27/15	1
Selenium, Dissolved	0.0034	0.00038	0.0020	mg/l		6020	05/28/15	1
Uranium, Dissolved	0.0021	0.00033	0.010	mg/l	J	6020	05/27/15	1
Mercury	U	0.000049	0.00020	mg/l		7470A	05/22/15	1
Aluminum, Dissolved	U	0.035	0.10	mg/l		6010B	05/26/15	1
Barium, Dissolved	0.14	0.0017	0.0050	mg/l		6010B	05/26/15	1
Boron, Dissolved	0.18	0.013	0.20	mg/l	J	6010B	05/26/15	1
Cadmium, Dissolved	U	0.00070	0.0050	mg/l		6010B	05/26/15	1
Calcium, Dissolved	170	0.046	1.0	mg/l		6010B	05/26/15	1
Chromium, Dissolved	U	0.0014	0.010	mg/l		6010B	05/26/15	1
Cobalt, Dissolved	U	0.0023	0.010	mg/l		6010B	05/26/15	1
Copper, Dissolved	U	0.0053	0.020	mg/l		6010B	05/26/15	1
Iron, Dissolved	U	0.014	0.10	mg/l		6010B	05/26/15	1
Magnesium, Dissolved	20.	0.011	1.0	mg/l		6010B	05/26/15	1
Manganese, Dissolved	0.0088	0.0012	0.010	mg/l	J	6010B	05/26/15	1
Nickel, Dissolved	U	0.0049	0.020	mg/l		6010B	05/26/15	1
Potassium, Dissolved	3.2	0.10	1.0	mg/l		6010B	05/26/15	1
Silver, Dissolved	U	0.0028	0.010	mg/l		6010B	05/26/15	1
Sodium, Dissolved	130	0.098	1.0	mg/l		6010B	05/26/15	1
Zinc, Dissolved	U	0.0059	0.050	mg/l		6010B	05/26/15	1
Volatile Organics								
Acetone	U	0.010	1.0	mg/l		8260B	05/25/15	1
Benzene	0.0010	0.00033	0.0010	mg/l	J	8260B	05/25/15	1
Bromodichloromethane	U	0.00038	0.0013	mg/l		8260B	05/25/15	1

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(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

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Est. 1970

REPORT OF ANALYSIS

John Allen
TRC Solutions
505 E. Huntland Drive, Suite 250
Austin, TX 78752

June 01, 2015

Date Received : May 21, 2015
Description :

Sample ID : SOUTH WELL

Collected By : Geoffry Leking
Collection Date : 05/19/15 10:45

ESC Sample # : L766516-02

Site ID : NAVAJO LOVINGTON REFIN

Project # : 227000

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Bromoform	U	0.00047	0.0010	mg/l		8260B	05/25/15	1
Bromomethane	U	0.00087	0.0050	mg/l		8260B	05/25/15	1
n-Butylbenzene	U	0.00036	0.0010	mg/l		8260B	05/25/15	1
sec-Butylbenzene	U	0.00036	0.0010	mg/l		8260B	05/25/15	1
tert-Butylbenzene	U	0.00040	0.0010	mg/l		8260B	05/25/15	1
Carbon disulfide	U	0.00028	0.0010	mg/l		8260B	05/25/15	1
Carbon tetrachloride	U	0.00038	0.0010	mg/l		8260B	05/25/15	1
Chlorobenzene	U	0.00035	0.0010	mg/l		8260B	05/25/15	1
Chlorodibromomethane	U	0.00033	0.0010	mg/l		8260B	05/25/15	1
Chloroethane	U	0.00045	0.0050	mg/l		8260B	05/25/15	1
Chloroform	0.00052	0.00032	0.0050	mg/l	J	8260B	05/25/15	1
Chloromethane	U	0.00028	0.0025	mg/l		8260B	05/25/15	1
1,2-Dibromoethane	U	0.00038	0.0010	mg/l		8260B	05/25/15	1
1,1-Dichloroethane	U	0.00026	0.0010	mg/l		8260B	05/25/15	1
1,2-Dichloroethane	U	0.00036	0.0010	mg/l		8260B	05/25/15	1
1,1-Dichloroethene	U	0.00040	0.0010	mg/l		8260B	05/25/15	1
cis-1,2-Dichloroethene	U	0.00026	0.0010	mg/l		8260B	05/25/15	1
trans-1,2-Dichloroethene	U	0.00040	0.0010	mg/l		8260B	05/25/15	1
1,2-Dichloropropane	U	0.00031	0.0010	mg/l		8260B	05/25/15	1
cis-1,3-Dichloropropene	U	0.00042	0.0010	mg/l		8260B	05/25/15	1
trans-1,3-Dichloropropene	U	0.00042	0.0010	mg/l		8260B	05/25/15	1
Ethylbenzene	U	0.00038	0.0010	mg/l		8260B	05/25/15	1
Hexachloro-1,3-butadiene	U	0.00026	0.0010	mg/l		8260B	05/25/15	1
2-Hexanone	U	0.0038	0.010	mg/l		8260B	05/25/15	1
Isopropylbenzene	U	0.00033	0.0010	mg/l		8260B	05/25/15	1
p-Isopropyltoluene	U	0.00035	0.0010	mg/l		8260B	05/25/15	1
2-Butanone (MEK)	U	0.0039	0.010	mg/l		8260B	05/25/15	1
Methylene Chloride	U	0.0010	0.0050	mg/l		8260B	05/25/15	1
4-Methyl-2-pentanone (MIBK)	U	0.0021	0.010	mg/l		8260B	05/25/15	1
Methyl tert-butyl ether	U	0.00037	0.0010	mg/l		8260B	05/25/15	1
Naphthalene	U	0.0010	0.0050	mg/l		8260B	05/25/15	1
n-Propylbenzene	U	0.00035	0.0010	mg/l		8260B	05/25/15	1
Styrene	U	0.00031	0.0010	mg/l		8260B	05/25/15	1
1,1,2,2-Tetrachloroethane	U	0.00013	0.0010	mg/l		8260B	05/25/15	1
Tetrachloroethene	U	0.00037	0.0010	mg/l		8260B	05/25/15	1
Toluene	U	0.00078	0.0050	mg/l		8260B	05/25/15	1
1,1,1-Trichloroethane	U	0.00032	0.0010	mg/l		8260B	05/25/15	1
1,1,2-Trichloroethane	U	0.00038	0.0010	mg/l		8260B	05/25/15	1
Trichloroethene	U	0.00040	0.0010	mg/l		8260B	05/25/15	1
1,2,4-Trimethylbenzene	U	0.00037	0.0010	mg/l		8260B	05/25/15	1
1,3,5-Trimethylbenzene	U	0.00039	0.0010	mg/l		8260B	05/25/15	1
Vinyl chloride	U	0.00026	0.0010	mg/l		8260B	05/25/15	1
Xylenes, Total	U	0.0011	0.0030	mg/l		8260B	05/25/15	1

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1-800-767-5859
Fax (615) 758-5859

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REPORT OF ANALYSIS

John Allen
TRC Solutions
505 E. Huntland Drive, Suite 250
Austin, TX 78752

June 01, 2015

Date Received : May 21, 2015
Description :

Sample ID : SOUTH WELL

Collected By : Geoffry Leking
Collection Date : 05/19/15 10:45

ESC Sample # : L766516-02

Site ID : NAVAJO LOVINGTON REFIN

Project # : 227000

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Surrogate Recovery								
Toluene-d8	102.			% Rec.		8260B	05/25/15	1
Dibromofluoromethane	103.			% Rec.		8260B	05/25/15	1
4-Bromofluorobenzene	96.9			% Rec.		8260B	05/25/15	1
Base/Neutral Extractables								
Acenaphthene	U	0.00032	0.0010	mg/l		8270 C	05/26/15	1
Acenaphthylene	U	0.00031	0.0010	mg/l		8270 C	05/26/15	1
Acetophenone	U	0.0025	0.010	mg/l		8270 C	05/26/15	1
Anthracene	U	0.00029	0.0010	mg/l		8270 C	05/26/15	1
Atrazine	U	0.00026	0.010	mg/l		8270 C	05/26/15	1
Benzo(a)anthracene	U	0.000051	0.0010	mg/l		8270 C	05/26/15	1
Benzaldehyde	U	0.0014	0.010	mg/l	J3	8270 C	05/26/15	1
Benzo(b)fluoranthene	U	0.000090	0.0010	mg/l		8270 C	05/26/15	1
Benzo(k)fluoranthene	U	0.00036	0.0010	mg/l		8270 C	05/26/15	1
Benzo(g,h,i)perylene	U	0.0000023	0.0010	mg/l		8270 C	05/26/15	1
Benzo(a)pyrene	U	0.000038	0.00020	mg/l		8270 C	05/26/15	1
Biphenyl	U	0.00032	0.010	mg/l		8270 C	05/26/15	1
Bis(2-chlorethoxy)methane	U	0.00033	0.010	mg/l		8270 C	05/26/15	1
Bis(2-chloroethyl)ether	U	0.0016	0.010	mg/l		8270 C	05/26/15	1
Bis(2-chloroisopropyl)ether	U	0.00044	0.010	mg/l		8270 C	05/26/15	1
4-Bromophenyl-phenylether	U	0.00034	0.010	mg/l		8270 C	05/26/15	1
2-Chloronaphthalene	U	0.00033	0.0010	mg/l		8270 C	05/26/15	1
4-Chlorophenyl-phenylether	U	0.00030	0.010	mg/l		8270 C	05/26/15	1
Caprolactam	U	0.0026	0.010	mg/l		8270 C	05/26/15	1
Carbazole	U	0.00026	0.010	mg/l		8270 C	05/26/15	1
Chrysene	U	0.00033	0.0010	mg/l		8270 C	05/26/15	1
Dibenz(a,h)anthracene	U	0.000064	0.00020	mg/l		8270 C	05/26/15	1
Dibenzofuran	U	0.00034	0.010	mg/l		8270 C	05/26/15	1
3,3-Dichlorobenzidine	U	0.0020	0.010	mg/l		8270 C	05/26/15	1
2,4-Dinitrotoluene	U	0.0016	0.010	mg/l		8270 C	05/26/15	1
2,6-Dinitrotoluene	U	0.00028	0.010	mg/l		8270 C	05/26/15	1
Fluoranthene	U	0.00031	0.0010	mg/l		8270 C	05/26/15	1
Fluorene	U	0.00032	0.0010	mg/l		8270 C	05/26/15	1
Hexachlorobenzene	U	0.00034	0.0010	mg/l		8270 C	05/26/15	1
Hexachloro-1,3-butadiene	U	0.00033	0.010	mg/l		8270 C	05/26/15	1
Hexachlorocyclopentadiene	U	0.0023	0.010	mg/l		8270 C	05/26/15	1
Hexachloroethane	U	0.00036	0.010	mg/l		8270 C	05/26/15	1
Indeno(1,2,3-cd)pyrene	U	0.00028	0.0010	mg/l		8270 C	05/26/15	1
Isophorone	U	0.00027	0.010	mg/l		8270 C	05/26/15	1
1-Methylnaphthalene	U	0.00033	0.0010	mg/l		8270 C	05/26/15	1
2-Methylnaphthalene	U	0.00031	0.0010	mg/l		8270 C	05/26/15	1
Naphthalene	U	0.00037	0.0010	mg/l		8270 C	05/26/15	1

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1-800-767-5859
Fax (615) 758-5859

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REPORT OF ANALYSIS

John Allen
TRC Solutions
505 E. Huntland Drive, Suite 250
Austin, TX 78752

June 01, 2015

Date Received : May 21, 2015
Description :

Sample ID : SOUTH WELL

Collected By : Geoffry Leking
Collection Date : 05/19/15 10:45

ESC Sample # : L766516-02

Site ID : NAVAJO LOVINGTON REFIN

Project # : 227000

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Nitrobenzene	U	0.00037	0.010	mg/l		8270 C	05/26/15	1
n-Nitrosodiphenylamine	U	0.00030	0.010	mg/l		8270 C	05/26/15	1
n-Nitrosodi-n-propylamine	U	0.00040	0.010	mg/l		8270 C	05/26/15	1
Phenanthrene	U	0.00037	0.0010	mg/l		8270 C	05/26/15	1
Benzylbutyl phthalate	U	0.00028	0.0030	mg/l		8270 C	05/26/15	1
Bis(2-ethylhexyl)phthalate	U	0.00071	0.0030	mg/l		8270 C	05/26/15	1
Di-n-butyl phthalate	0.00054	0.00027	0.0030	mg/l	J	8270 C	05/26/15	1
Diethyl phthalate	U	0.00028	0.0030	mg/l		8270 C	05/26/15	1
Dimethyl phthalate	U	0.00028	0.0030	mg/l		8270 C	05/26/15	1
Di-n-octyl phthalate	U	0.00028	0.0030	mg/l		8270 C	05/26/15	1
Pyrene	U	0.00033	0.0010	mg/l		8270 C	05/26/15	1
1,2,4-Trichlorobenzene	U	0.00036	0.010	mg/l		8270 C	05/26/15	1
Acid Extractables								
4-Chloro-3-methylphenol	U	0.00026	0.010	mg/l		8270 C	05/26/15	1
2-Chlorophenol	U	0.00028	0.010	mg/l		8270 C	05/26/15	1
2,4-Dichlorophenol	U	0.00028	0.010	mg/l		8270 C	05/26/15	1
2,4-Dimethylphenol	U	0.00062	0.010	mg/l		8270 C	05/26/15	1
4,6-Dinitro-2-methylphenol	U	0.0026	0.010	mg/l		8270 C	05/26/15	1
2,4-Dinitrophenol	U	0.0032	0.010	mg/l		8270 C	05/26/15	1
2-Nitrophenol	U	0.00032	0.010	mg/l		8270 C	05/26/15	1
2-Nitroaniline	U	0.0019	0.010	mg/l		8270 C	05/26/15	1
2-Methylphenol	U	0.00031	0.010	mg/l		8270 C	05/26/15	1
3&4-Methyl Phenol	U	0.00027	0.010	mg/l		8270 C	05/26/15	1
3-Nitroaniline	U	0.00031	0.010	mg/l		8270 C	05/26/15	1
4-Chloroaniline	U	0.00038	0.010	mg/l		8270 C	05/26/15	1
4-Nitroaniline	U	0.00035	0.010	mg/l		8270 C	05/26/15	1
4-Nitrophenol	U	0.0020	0.010	mg/l		8270 C	05/26/15	1
Pentachlorophenol	U	0.00031	0.010	mg/l		8270 C	05/26/15	1
Phenol	U	0.00033	0.010	mg/l		8270 C	05/26/15	1
2,4,5-Trichlorophenol	U	0.00024	0.010	mg/l		8270 C	05/26/15	1
2,4,6-Trichlorophenol	U	0.00030	0.010	mg/l		8270 C	05/26/15	1
Surrogate Recovery								
2-Fluorophenol	47.5			% Rec.		8270 C	05/26/15	1
Phenol-d5	32.6			% Rec.		8270 C	05/26/15	1
Nitrobenzene-d5	67.9			% Rec.		8270 C	05/26/15	1
2-Fluorobiphenyl	71.4			% Rec.		8270 C	05/26/15	1
2,4,6-Tribromophenol	70.5			% Rec.		8270 C	05/26/15	1
p-Terphenyl-d14	71.2			% Rec.		8270 C	05/26/15	1

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505 E. Huntland Drive, Suite 250
Austin, TX 78752

June 01, 2015

Date Received : May 21, 2015
Description :

Sample ID : EAST WELL

Collected By : Geoffry Leking
Collection Date : 05/19/15 13:40

ESC Sample # : L766516-03

Site ID : NAVAJO LOVINGTON REFIN

Project # : 227000

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Chloride	120	0.26	5.0	mg/l		9056	05/27/15	5
Fluoride	0.90	0.050	0.50	mg/l		9056	05/27/15	5
Sulfate	78.	0.39	25.	mg/l		9056	05/27/15	5
Alkalinity	180	2.6	20.	mg/l		2320 B-	05/27/15	1
pH	7.3	-33.		su	JT8	9040C	05/23/15	1
Nitrate-Nitrite	2.8	0.020	0.10	mg/l		353.2	06/01/15	1
Specific Conductance	890			umhos/cm		9050A	05/26/15	1
Dissolved Solids	560	2.8	10.	mg/l		2540 C-	05/23/15	1
Arsenic, Dissolved	0.0050	0.00025	0.0020	mg/l		6020	05/27/15	1
Lead, Dissolved	U	0.00024	0.0020	mg/l		6020	05/27/15	1
Molybdenum, Dissolved	0.0028	0.00014	0.0050	mg/l	J	6020	05/27/15	1
Selenium, Dissolved	0.0037	0.00038	0.0020	mg/l		6020	05/28/15	1
Uranium, Dissolved	0.0019	0.00033	0.010	mg/l	J	6020	05/27/15	1
Mercury	U	0.000049	0.00020	mg/l		7470A	05/22/15	1
Aluminum, Dissolved	U	0.035	0.10	mg/l		6010B	05/26/15	1
Barium, Dissolved	0.10	0.0017	0.0050	mg/l		6010B	05/26/15	1
Boron, Dissolved	0.14	0.013	0.20	mg/l	J	6010B	05/26/15	1
Cadmium, Dissolved	U	0.00070	0.0050	mg/l		6010B	05/26/15	1
Calcium, Dissolved	110	0.046	1.0	mg/l		6010B	05/26/15	1
Chromium, Dissolved	0.012	0.0014	0.010	mg/l		6010B	05/26/15	1
Cobalt, Dissolved	U	0.0023	0.010	mg/l		6010B	05/26/15	1
Copper, Dissolved	U	0.0053	0.020	mg/l		6010B	05/26/15	1
Iron, Dissolved	U	0.014	0.10	mg/l		6010B	05/26/15	1
Magnesium, Dissolved	14.	0.011	1.0	mg/l		6010B	05/26/15	1
Manganese, Dissolved	0.0016	0.0012	0.010	mg/l	J	6010B	05/26/15	1
Nickel, Dissolved	U	0.0049	0.020	mg/l		6010B	05/26/15	1
Potassium, Dissolved	2.1	0.10	1.0	mg/l		6010B	05/26/15	1
Silver, Dissolved	U	0.0028	0.010	mg/l		6010B	05/26/15	1
Sodium, Dissolved	52.	0.098	1.0	mg/l		6010B	05/26/15	1
Zinc, Dissolved	0.013	0.0059	0.050	mg/l	J	6010B	05/26/15	1
Volatile Organics								
Acetone	U	0.010	1.0	mg/l		8260B	05/25/15	1
Benzene	U	0.00033	0.0010	mg/l		8260B	05/25/15	1
Bromodichloromethane	U	0.00038	0.0013	mg/l		8260B	05/25/15	1

U = ND (Not Detected)

MDL = Minimum Detection Limit = LOD = TRRP SDL

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1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

John Allen
TRC Solutions
505 E. Huntland Drive, Suite 250
Austin, TX 78752

June 01, 2015

Date Received : May 21, 2015
Description :

Sample ID : EAST WELL

Collected By : Geoffry Leking
Collection Date : 05/19/15 13:40

ESC Sample # : L766516-03

Site ID : NAVAJO LOVINGTON REFIN

Project # : 227000

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Bromoform	U	0.00047	0.0010	mg/l		8260B	05/25/15	1
Bromomethane	U	0.00087	0.0050	mg/l		8260B	05/25/15	1
n-Butylbenzene	U	0.00036	0.0010	mg/l		8260B	05/25/15	1
sec-Butylbenzene	U	0.00036	0.0010	mg/l		8260B	05/25/15	1
tert-Butylbenzene	U	0.00040	0.0010	mg/l		8260B	05/25/15	1
Carbon disulfide	U	0.00028	0.0010	mg/l		8260B	05/25/15	1
Carbon tetrachloride	U	0.00038	0.0010	mg/l		8260B	05/25/15	1
Chlorobenzene	U	0.00035	0.0010	mg/l		8260B	05/25/15	1
Chlorodibromomethane	U	0.00033	0.0010	mg/l		8260B	05/25/15	1
Chloroethane	U	0.00045	0.0050	mg/l		8260B	05/25/15	1
Chloroform	U	0.00032	0.0050	mg/l		8260B	05/25/15	1
Chloromethane	U	0.00028	0.0025	mg/l		8260B	05/25/15	1
1,2-Dibromoethane	U	0.00038	0.0010	mg/l		8260B	05/25/15	1
1,1-Dichloroethane	U	0.00026	0.0010	mg/l		8260B	05/25/15	1
1,2-Dichloroethane	U	0.00036	0.0010	mg/l		8260B	05/25/15	1
1,1-Dichloroethene	U	0.00040	0.0010	mg/l		8260B	05/25/15	1
cis-1,2-Dichloroethene	U	0.00026	0.0010	mg/l		8260B	05/25/15	1
trans-1,2-Dichloroethene	U	0.00040	0.0010	mg/l		8260B	05/25/15	1
1,2-Dichloropropane	U	0.00031	0.0010	mg/l		8260B	05/25/15	1
cis-1,3-Dichloropropene	U	0.00042	0.0010	mg/l		8260B	05/25/15	1
trans-1,3-Dichloropropene	U	0.00042	0.0010	mg/l		8260B	05/25/15	1
Ethylbenzene	U	0.00038	0.0010	mg/l		8260B	05/25/15	1
Hexachloro-1,3-butadiene	U	0.00026	0.0010	mg/l		8260B	05/25/15	1
2-Hexanone	U	0.0038	0.010	mg/l		8260B	05/25/15	1
Isopropylbenzene	U	0.00033	0.0010	mg/l		8260B	05/25/15	1
p-Isopropyltoluene	U	0.00035	0.0010	mg/l		8260B	05/25/15	1
2-Butanone (MEK)	U	0.0039	0.010	mg/l		8260B	05/25/15	1
Methylene Chloride	U	0.0010	0.0050	mg/l		8260B	05/25/15	1
4-Methyl-2-pentanone (MIBK)	U	0.0021	0.010	mg/l		8260B	05/25/15	1
Methyl tert-butyl ether	U	0.00037	0.0010	mg/l		8260B	05/25/15	1
Naphthalene	U	0.0010	0.0050	mg/l		8260B	05/25/15	1
n-Propylbenzene	U	0.00035	0.0010	mg/l		8260B	05/25/15	1
Styrene	U	0.00031	0.0010	mg/l		8260B	05/25/15	1
1,1,2,2-Tetrachloroethane	U	0.00013	0.0010	mg/l		8260B	05/25/15	1
Tetrachloroethene	U	0.00037	0.0010	mg/l		8260B	05/25/15	1
Toluene	U	0.00078	0.0050	mg/l		8260B	05/25/15	1
1,1,1-Trichloroethane	U	0.00032	0.0010	mg/l		8260B	05/25/15	1
1,1,2-Trichloroethane	U	0.00038	0.0010	mg/l		8260B	05/25/15	1
Trichloroethene	U	0.00040	0.0010	mg/l		8260B	05/25/15	1
1,2,4-Trimethylbenzene	U	0.00037	0.0010	mg/l		8260B	05/25/15	1
1,3,5-Trimethylbenzene	U	0.00039	0.0010	mg/l		8260B	05/25/15	1
Vinyl chloride	U	0.00026	0.0010	mg/l		8260B	05/25/15	1
Xylenes, Total	U	0.0011	0.0030	mg/l		8260B	05/25/15	1

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REPORT OF ANALYSIS

John Allen
TRC Solutions
505 E. Huntland Drive, Suite 250
Austin, TX 78752

June 01, 2015

Date Received : May 21, 2015
Description :

Sample ID : EAST WELL

Collected By : Geoffry Leking
Collection Date : 05/19/15 13:40

ESC Sample # : L766516-03

Site ID : NAVAJO LOVINGTON REFIN

Project # : 227000

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Surrogate Recovery								
Toluene-d8	102.			% Rec.		8260B	05/25/15	1
Dibromofluoromethane	104.			% Rec.		8260B	05/25/15	1
4-Bromofluorobenzene	96.0			% Rec.		8260B	05/25/15	1
Base/Neutral Extractables								
Acenaphthene	U	0.00032	0.0010	mg/l		8270 C	05/26/15	1
Acenaphthylene	U	0.00031	0.0010	mg/l		8270 C	05/26/15	1
Acetophenone	U	0.0025	0.010	mg/l		8270 C	05/26/15	1
Anthracene	U	0.00029	0.0010	mg/l		8270 C	05/26/15	1
Atrazine	U	0.00026	0.010	mg/l		8270 C	05/26/15	1
Benzo(a)anthracene	U	0.000051	0.0010	mg/l		8270 C	05/26/15	1
Benzaldehyde	U	0.0014	0.010	mg/l	J3	8270 C	05/26/15	1
Benzo(b)fluoranthene	U	0.000090	0.0010	mg/l		8270 C	05/26/15	1
Benzo(k)fluoranthene	U	0.00036	0.0010	mg/l		8270 C	05/26/15	1
Benzo(g,h,i)perylene	U	0.0000023	0.0010	mg/l		8270 C	05/26/15	1
Benzo(a)pyrene	U	0.000038	0.00020	mg/l		8270 C	05/26/15	1
Biphenyl	U	0.00032	0.010	mg/l		8270 C	05/26/15	1
Bis(2-chlorethoxy)methane	U	0.00033	0.010	mg/l		8270 C	05/26/15	1
Bis(2-chloroethyl)ether	U	0.0016	0.010	mg/l		8270 C	05/26/15	1
Bis(2-chloroisopropyl)ether	U	0.00044	0.010	mg/l		8270 C	05/26/15	1
4-Bromophenyl-phenylether	U	0.00034	0.010	mg/l		8270 C	05/26/15	1
2-Chloronaphthalene	U	0.00033	0.0010	mg/l		8270 C	05/26/15	1
4-Chlorophenyl-phenylether	U	0.00030	0.010	mg/l		8270 C	05/26/15	1
Caprolactam	U	0.0026	0.010	mg/l		8270 C	05/26/15	1
Carbazole	U	0.00026	0.010	mg/l		8270 C	05/26/15	1
Chrysene	U	0.00033	0.0010	mg/l		8270 C	05/26/15	1
Dibenz(a,h)anthracene	U	0.000064	0.00020	mg/l		8270 C	05/26/15	1
Dibenzofuran	U	0.00034	0.010	mg/l		8270 C	05/26/15	1
3,3-Dichlorobenzidine	U	0.0020	0.010	mg/l		8270 C	05/26/15	1
2,4-Dinitrotoluene	U	0.0016	0.010	mg/l		8270 C	05/26/15	1
2,6-Dinitrotoluene	U	0.00028	0.010	mg/l		8270 C	05/26/15	1
Fluoranthene	U	0.00031	0.0010	mg/l		8270 C	05/26/15	1
Fluorene	U	0.00032	0.0010	mg/l		8270 C	05/26/15	1
Hexachlorobenzene	U	0.00034	0.0010	mg/l		8270 C	05/26/15	1
Hexachloro-1,3-butadiene	U	0.00033	0.010	mg/l		8270 C	05/26/15	1
Hexachlorocyclopentadiene	U	0.0023	0.010	mg/l		8270 C	05/26/15	1
Hexachloroethane	U	0.00036	0.010	mg/l		8270 C	05/26/15	1
Indeno(1,2,3-cd)pyrene	U	0.00028	0.0010	mg/l		8270 C	05/26/15	1
Isophorone	U	0.00027	0.010	mg/l		8270 C	05/26/15	1
1-Methylnaphthalene	U	0.00033	0.0010	mg/l		8270 C	05/26/15	1
2-Methylnaphthalene	U	0.00031	0.0010	mg/l		8270 C	05/26/15	1
Naphthalene	U	0.00037	0.0010	mg/l		8270 C	05/26/15	1

U = ND (Not Detected)

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June 01, 2015

Date Received : May 21, 2015
Description :

Sample ID : EAST WELL

Collected By : Geoffry Leking
Collection Date : 05/19/15 13:40

ESC Sample # : L766516-03

Site ID : NAVAJO LOVINGTON REFIN

Project # : 227000

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Nitrobenzene	U	0.00037	0.010	mg/l		8270 C	05/26/15	1
n-Nitrosodiphenylamine	U	0.00030	0.010	mg/l		8270 C	05/26/15	1
n-Nitrosodi-n-propylamine	U	0.00040	0.010	mg/l		8270 C	05/26/15	1
Phenanthrene	U	0.00037	0.0010	mg/l		8270 C	05/26/15	1
Benzylbutyl phthalate	U	0.00028	0.0030	mg/l		8270 C	05/26/15	1
Bis(2-ethylhexyl)phthalate	U	0.00071	0.0030	mg/l		8270 C	05/26/15	1
Di-n-butyl phthalate	0.00053	0.00027	0.0030	mg/l	J	8270 C	05/26/15	1
Diethyl phthalate	U	0.00028	0.0030	mg/l		8270 C	05/26/15	1
Dimethyl phthalate	U	0.00028	0.0030	mg/l		8270 C	05/26/15	1
Di-n-octyl phthalate	U	0.00028	0.0030	mg/l		8270 C	05/26/15	1
Pyrene	U	0.00033	0.0010	mg/l		8270 C	05/26/15	1
1,2,4-Trichlorobenzene	U	0.00036	0.010	mg/l		8270 C	05/26/15	1
Acid Extractables								
4-Chloro-3-methylphenol	U	0.00026	0.010	mg/l		8270 C	05/26/15	1
2-Chlorophenol	U	0.00028	0.010	mg/l		8270 C	05/26/15	1
2,4-Dichlorophenol	U	0.00028	0.010	mg/l		8270 C	05/26/15	1
2,4-Dimethylphenol	U	0.00062	0.010	mg/l		8270 C	05/26/15	1
4,6-Dinitro-2-methylphenol	U	0.0026	0.010	mg/l		8270 C	05/26/15	1
2,4-Dinitrophenol	U	0.0032	0.010	mg/l		8270 C	05/26/15	1
2-Nitrophenol	U	0.00032	0.010	mg/l		8270 C	05/26/15	1
2-Nitroaniline	U	0.0019	0.010	mg/l		8270 C	05/26/15	1
2-Methylphenol	U	0.00031	0.010	mg/l		8270 C	05/26/15	1
3&4-Methyl Phenol	U	0.00027	0.010	mg/l		8270 C	05/26/15	1
3-Nitroaniline	U	0.00031	0.010	mg/l		8270 C	05/26/15	1
4-Chloroaniline	U	0.00038	0.010	mg/l		8270 C	05/26/15	1
4-Nitroaniline	U	0.00035	0.010	mg/l		8270 C	05/26/15	1
4-Nitrophenol	U	0.0020	0.010	mg/l		8270 C	05/26/15	1
Pentachlorophenol	U	0.00031	0.010	mg/l		8270 C	05/26/15	1
Phenol	U	0.00033	0.010	mg/l		8270 C	05/26/15	1
2,4,5-Trichlorophenol	U	0.00024	0.010	mg/l		8270 C	05/26/15	1
2,4,6-Trichlorophenol	U	0.00030	0.010	mg/l		8270 C	05/26/15	1
Surrogate Recovery								
2-Fluorophenol	48.1			% Rec.		8270 C	05/26/15	1
Phenol-d5	32.1			% Rec.		8270 C	05/26/15	1
Nitrobenzene-d5	62.9			% Rec.		8270 C	05/26/15	1
2-Fluorobiphenyl	70.0			% Rec.		8270 C	05/26/15	1
2,4,6-Tribromophenol	69.3			% Rec.		8270 C	05/26/15	1
p-Terphenyl-d14	65.9			% Rec.		8270 C	05/26/15	1

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REPORT OF ANALYSIS

John Allen
TRC Solutions
505 E. Huntland Drive, Suite 250
Austin, TX 78752

June 01, 2015

Date Received : May 21, 2015
Description :

Sample ID : DUP-4

Collected By : Geoffry Leking
Collection Date : 05/19/15 10:55

ESC Sample # : L766516-04

Site ID : NAVAJO LOVINGTON REFIN

Project # : 227000

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Chloride	340	0.52	10.	mg/l		9056	05/27/15	10
Fluoride	0.76	0.0099	0.10	mg/l		9056	05/28/15	1
Sulfate	95.	0.77	50.	mg/l		9056	05/27/15	10
Alkalinity	190	2.6	20.	mg/l		2320 B-	05/27/15	1
pH	7.0	-33.		su	JT8	9040C	05/23/15	1
Nitrate-Nitrite	3.1	0.020	0.10	mg/l		353.2	06/01/15	1
Specific Conductance	1600			umhos/cm		9050A	05/26/15	1
Dissolved Solids	1000	2.8	10.	mg/l		2540 C-	05/23/15	1
Arsenic, Dissolved	0.0024	0.00025	0.0020	mg/l		6020	05/27/15	1
Lead, Dissolved	U	0.00024	0.0020	mg/l		6020	05/27/15	1
Molybdenum, Dissolved	0.0023	0.00014	0.0050	mg/l	J	6020	05/27/15	1
Selenium, Dissolved	0.0032	0.00038	0.0020	mg/l		6020	05/28/15	1
Uranium, Dissolved	0.0021	0.00033	0.010	mg/l	J	6020	05/27/15	1
Mercury	U	0.000049	0.00020	mg/l		7470A	05/22/15	1
Aluminum, Dissolved	U	0.035	0.10	mg/l		6010B	05/26/15	1
Barium, Dissolved	0.14	0.0017	0.0050	mg/l		6010B	05/26/15	1
Boron, Dissolved	0.18	0.013	0.20	mg/l	J	6010B	05/26/15	1
Cadmium, Dissolved	U	0.00070	0.0050	mg/l		6010B	05/26/15	1
Calcium, Dissolved	170	0.046	1.0	mg/l		6010B	05/26/15	1
Chromium, Dissolved	U	0.0014	0.010	mg/l		6010B	05/26/15	1
Cobalt, Dissolved	U	0.0023	0.010	mg/l		6010B	05/26/15	1
Copper, Dissolved	U	0.0053	0.020	mg/l		6010B	05/26/15	1
Iron, Dissolved	U	0.014	0.10	mg/l		6010B	05/26/15	1
Magnesium, Dissolved	20.	0.011	1.0	mg/l		6010B	05/26/15	1
Manganese, Dissolved	0.0081	0.0012	0.010	mg/l	J	6010B	05/26/15	1
Nickel, Dissolved	U	0.0049	0.020	mg/l		6010B	05/26/15	1
Potassium, Dissolved	3.2	0.10	1.0	mg/l		6010B	05/26/15	1
Silver, Dissolved	U	0.0028	0.010	mg/l		6010B	05/26/15	1
Sodium, Dissolved	130	0.098	1.0	mg/l		6010B	05/26/15	1
Zinc, Dissolved	U	0.0059	0.050	mg/l		6010B	05/26/15	1
Volatile Organics								
Acetone	U	0.010	1.0	mg/l		8260B	05/26/15	1
Benzene	0.00091	0.00033	0.0010	mg/l	J	8260B	05/26/15	1
Bromodichloromethane	U	0.00038	0.0013	mg/l		8260B	05/26/15	1

U = ND (Not Detected)

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Reported: 06/01/15 16:34 Printed: 06/01/15 16:44
L766516-04 (PH) - 7.0 at 13.3c



12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

John Allen
TRC Solutions
505 E. Huntland Drive, Suite 250
Austin, TX 78752

June 01, 2015

Date Received : May 21, 2015
Description :

Sample ID : DUP-4

Collected By : Geoffry Leking
Collection Date : 05/19/15 10:55

ESC Sample # : L766516-04

Site ID : NAVAJO LOVINGTON REFIN

Project # : 227000

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Bromoform	U	0.00047	0.0010	mg/l		8260B	05/26/15	1
Bromomethane	U	0.00087	0.0050	mg/l		8260B	05/26/15	1
n-Butylbenzene	U	0.00036	0.0010	mg/l		8260B	05/26/15	1
sec-Butylbenzene	U	0.00036	0.0010	mg/l		8260B	05/26/15	1
tert-Butylbenzene	U	0.00040	0.0010	mg/l		8260B	05/26/15	1
Carbon disulfide	U	0.00028	0.0010	mg/l		8260B	05/26/15	1
Carbon tetrachloride	U	0.00038	0.0010	mg/l		8260B	05/26/15	1
Chlorobenzene	U	0.00035	0.0010	mg/l		8260B	05/26/15	1
Chlorodibromomethane	U	0.00033	0.0010	mg/l		8260B	05/26/15	1
Chloroethane	U	0.00045	0.0050	mg/l		8260B	05/26/15	1
Chloroform	0.00054	0.00032	0.0050	mg/l	J	8260B	05/26/15	1
Chloromethane	U	0.00028	0.0025	mg/l		8260B	05/26/15	1
1,2-Dibromoethane	U	0.00038	0.0010	mg/l		8260B	05/26/15	1
1,1-Dichloroethane	U	0.00026	0.0010	mg/l		8260B	05/26/15	1
1,2-Dichloroethane	U	0.00036	0.0010	mg/l		8260B	05/26/15	1
1,1-Dichloroethene	U	0.00040	0.0010	mg/l		8260B	05/26/15	1
cis-1,2-Dichloroethene	U	0.00026	0.0010	mg/l		8260B	05/26/15	1
trans-1,2-Dichloroethene	U	0.00040	0.0010	mg/l		8260B	05/26/15	1
1,2-Dichloropropane	U	0.00031	0.0010	mg/l		8260B	05/26/15	1
cis-1,3-Dichloropropene	U	0.00042	0.0010	mg/l		8260B	05/26/15	1
trans-1,3-Dichloropropene	U	0.00042	0.0010	mg/l		8260B	05/26/15	1
Ethylbenzene	U	0.00038	0.0010	mg/l		8260B	05/26/15	1
Hexachloro-1,3-butadiene	U	0.00026	0.0010	mg/l		8260B	05/26/15	1
2-Hexanone	U	0.0038	0.010	mg/l		8260B	05/26/15	1
Isopropylbenzene	U	0.00033	0.0010	mg/l		8260B	05/26/15	1
p-Isopropyltoluene	U	0.00035	0.0010	mg/l		8260B	05/26/15	1
2-Butanone (MEK)	U	0.0039	0.010	mg/l		8260B	05/26/15	1
Methylene Chloride	U	0.0010	0.0050	mg/l		8260B	05/26/15	1
4-Methyl-2-pentanone (MIBK)	U	0.0021	0.010	mg/l		8260B	05/26/15	1
Methyl tert-butyl ether	U	0.00037	0.0010	mg/l		8260B	05/26/15	1
Naphthalene	U	0.0010	0.0050	mg/l		8260B	05/26/15	1
n-Propylbenzene	U	0.00035	0.0010	mg/l		8260B	05/26/15	1
Styrene	U	0.00031	0.0010	mg/l		8260B	05/26/15	1
1,1,2,2-Tetrachloroethane	U	0.00013	0.0010	mg/l		8260B	05/26/15	1
Tetrachloroethene	U	0.00037	0.0010	mg/l		8260B	05/26/15	1
Toluene	U	0.00078	0.0050	mg/l		8260B	05/26/15	1
1,1,1-Trichloroethane	U	0.00032	0.0010	mg/l		8260B	05/26/15	1
1,1,2-Trichloroethane	U	0.00038	0.0010	mg/l		8260B	05/26/15	1
Trichloroethene	U	0.00040	0.0010	mg/l		8260B	05/26/15	1
1,2,4-Trimethylbenzene	U	0.00037	0.0010	mg/l		8260B	05/26/15	1
1,3,5-Trimethylbenzene	U	0.00039	0.0010	mg/l		8260B	05/26/15	1
Vinyl chloride	U	0.00026	0.0010	mg/l		8260B	05/26/15	1
Xylenes, Total	U	0.0011	0.0030	mg/l		8260B	05/26/15	1

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Est. 1970

REPORT OF ANALYSIS

John Allen
TRC Solutions
505 E. Huntland Drive, Suite 250
Austin, TX 78752

June 01, 2015

Date Received : May 21, 2015
Description :

Sample ID : DUP-4

Collected By : Geoffry Leking
Collection Date : 05/19/15 10:55

ESC Sample # : L766516-04

Site ID : NAVAJO LOVINGTON REFIN

Project # : 227000

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Surrogate Recovery								
Toluene-d8	96.5			% Rec.		8260B	05/26/15	1
Dibromofluoromethane	91.0			% Rec.		8260B	05/26/15	1
4-Bromofluorobenzene	100.			% Rec.		8260B	05/26/15	1
Base/Neutral Extractables								
Acenaphthene	U	0.00032	0.0010	mg/l		8270 C	05/26/15	1
Acenaphthylene	U	0.00031	0.0010	mg/l		8270 C	05/26/15	1
Acetophenone	U	0.0025	0.010	mg/l		8270 C	05/26/15	1
Anthracene	U	0.00029	0.0010	mg/l		8270 C	05/26/15	1
Atrazine	U	0.00026	0.010	mg/l		8270 C	05/26/15	1
Benzo(a)anthracene	U	0.000051	0.0010	mg/l		8270 C	05/26/15	1
Benzaldehyde	U	0.0014	0.010	mg/l	J3	8270 C	05/26/15	1
Benzo(b)fluoranthene	U	0.000090	0.0010	mg/l		8270 C	05/26/15	1
Benzo(k)fluoranthene	U	0.00036	0.0010	mg/l		8270 C	05/26/15	1
Benzo(g,h,i)perylene	U	0.0000023	0.0010	mg/l		8270 C	05/26/15	1
Benzo(a)pyrene	U	0.000038	0.00020	mg/l		8270 C	05/26/15	1
Biphenyl	U	0.00032	0.010	mg/l		8270 C	05/26/15	1
Bis(2-chlorethoxy)methane	U	0.00033	0.010	mg/l		8270 C	05/26/15	1
Bis(2-chloroethyl)ether	U	0.0016	0.010	mg/l		8270 C	05/26/15	1
Bis(2-chloroisopropyl)ether	U	0.00044	0.010	mg/l		8270 C	05/26/15	1
4-Bromophenyl-phenylether	U	0.00034	0.010	mg/l		8270 C	05/26/15	1
2-Chloronaphthalene	U	0.00033	0.0010	mg/l		8270 C	05/26/15	1
4-Chlorophenyl-phenylether	U	0.00030	0.010	mg/l		8270 C	05/26/15	1
Caprolactam	U	0.0026	0.010	mg/l		8270 C	05/26/15	1
Carbazole	U	0.00026	0.010	mg/l		8270 C	05/26/15	1
Chrysene	U	0.00033	0.0010	mg/l		8270 C	05/26/15	1
Dibenz(a,h)anthracene	U	0.000064	0.00020	mg/l		8270 C	05/26/15	1
Dibenzofuran	U	0.00034	0.010	mg/l		8270 C	05/26/15	1
3,3-Dichlorobenzidine	U	0.0020	0.010	mg/l		8270 C	05/26/15	1
2,4-Dinitrotoluene	U	0.0016	0.010	mg/l		8270 C	05/26/15	1
2,6-Dinitrotoluene	U	0.00028	0.010	mg/l		8270 C	05/26/15	1
Fluoranthene	U	0.00031	0.0010	mg/l		8270 C	05/26/15	1
Fluorene	U	0.00032	0.0010	mg/l		8270 C	05/26/15	1
Hexachlorobenzene	U	0.00034	0.0010	mg/l		8270 C	05/26/15	1
Hexachloro-1,3-butadiene	U	0.00033	0.010	mg/l		8270 C	05/26/15	1
Hexachlorocyclopentadiene	U	0.0023	0.010	mg/l		8270 C	05/26/15	1
Hexachloroethane	U	0.00036	0.010	mg/l		8270 C	05/26/15	1
Indeno(1,2,3-cd)pyrene	U	0.00028	0.0010	mg/l		8270 C	05/26/15	1
Isophorone	U	0.00027	0.010	mg/l		8270 C	05/26/15	1
1-Methylnaphthalene	U	0.00033	0.0010	mg/l		8270 C	05/26/15	1
2-Methylnaphthalene	U	0.00031	0.0010	mg/l		8270 C	05/26/15	1
Naphthalene	U	0.00037	0.0010	mg/l		8270 C	05/26/15	1

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Est. 1970

REPORT OF ANALYSIS

John Allen
TRC Solutions
505 E. Huntland Drive, Suite 250
Austin, TX 78752

June 01, 2015

Date Received : May 21, 2015
Description :

Sample ID : DUP-4

Collected By : Geoffry Leking
Collection Date : 05/19/15 10:55

ESC Sample # : L766516-04

Site ID : NAVAJO LOVINGTON REFIN

Project # : 227000

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Nitrobenzene	U	0.00037	0.010	mg/l		8270 C	05/26/15	1
n-Nitrosodiphenylamine	U	0.00030	0.010	mg/l		8270 C	05/26/15	1
n-Nitrosodi-n-propylamine	U	0.00040	0.010	mg/l		8270 C	05/26/15	1
Phenanthrene	U	0.00037	0.0010	mg/l		8270 C	05/26/15	1
Benzylbutyl phthalate	U	0.00028	0.0030	mg/l		8270 C	05/26/15	1
Bis(2-ethylhexyl)phthalate	U	0.00071	0.0030	mg/l		8270 C	05/26/15	1
Di-n-butyl phthalate	0.00037	0.00027	0.0030	mg/l	J	8270 C	05/26/15	1
Diethyl phthalate	U	0.00028	0.0030	mg/l		8270 C	05/26/15	1
Dimethyl phthalate	U	0.00028	0.0030	mg/l		8270 C	05/26/15	1
Di-n-octyl phthalate	U	0.00028	0.0030	mg/l		8270 C	05/26/15	1
Pyrene	U	0.00033	0.0010	mg/l		8270 C	05/26/15	1
1,2,4-Trichlorobenzene	U	0.00036	0.010	mg/l		8270 C	05/26/15	1
Acid Extractables								
4-Chloro-3-methylphenol	U	0.00026	0.010	mg/l		8270 C	05/26/15	1
2-Chlorophenol	U	0.00028	0.010	mg/l		8270 C	05/26/15	1
2,4-Dichlorophenol	U	0.00028	0.010	mg/l		8270 C	05/26/15	1
2,4-Dimethylphenol	U	0.00062	0.010	mg/l		8270 C	05/26/15	1
4,6-Dinitro-2-methylphenol	U	0.0026	0.010	mg/l		8270 C	05/26/15	1
2,4-Dinitrophenol	U	0.0032	0.010	mg/l		8270 C	05/26/15	1
2-Nitrophenol	U	0.00032	0.010	mg/l		8270 C	05/26/15	1
2-Nitroaniline	U	0.0019	0.010	mg/l		8270 C	05/26/15	1
2-Methylphenol	U	0.00031	0.010	mg/l		8270 C	05/26/15	1
3&4-Methyl Phenol	U	0.00027	0.010	mg/l		8270 C	05/26/15	1
3-Nitroaniline	U	0.00031	0.010	mg/l		8270 C	05/26/15	1
4-Chloroaniline	U	0.00038	0.010	mg/l		8270 C	05/26/15	1
4-Nitroaniline	U	0.00035	0.010	mg/l		8270 C	05/26/15	1
4-Nitrophenol	U	0.0020	0.010	mg/l		8270 C	05/26/15	1
Pentachlorophenol	U	0.00031	0.010	mg/l		8270 C	05/26/15	1
Phenol	U	0.00033	0.010	mg/l		8270 C	05/26/15	1
2,4,5-Trichlorophenol	U	0.00024	0.010	mg/l		8270 C	05/26/15	1
2,4,6-Trichlorophenol	U	0.00030	0.010	mg/l		8270 C	05/26/15	1
Surrogate Recovery								
2-Fluorophenol	43.3			% Rec.		8270 C	05/26/15	1
Phenol-d5	29.7			% Rec.		8270 C	05/26/15	1
Nitrobenzene-d5	61.2			% Rec.		8270 C	05/26/15	1
2-Fluorobiphenyl	62.3			% Rec.		8270 C	05/26/15	1
2,4,6-Tribromophenol	64.5			% Rec.		8270 C	05/26/15	1
p-Terphenyl-d14	64.8			% Rec.		8270 C	05/26/15	1

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L766516-04 (PH) - 7.0 at 13.3c

Attachment A
List of Analytes with QC Qualifiers

Sample Number	Work Group	Sample Type	Analyte	Run ID	Qualifier
L766516-01	WG790845	SAMP	Boron, Dissolved	R3039366	J
	WG790845	SAMP	Chromium, Dissolved	R3039344	J
	WG790845	SAMP	Copper, Dissolved	R3039366	J
	WG790845	SAMP	Zinc, Dissolved	R3039344	J
	WG790685	SAMP	pH	R3038732	JT8
	WG790624	SAMP	Specific Conductance	R3038702	J
	WG791717	SAMP	Benzaldehyde	R3039495	J3
	WG791717	SAMP	Di-n-butyl phthalate	R3039495	J
	WG790843	SAMP	Lead, Dissolved	R3039694	J
	WG790843	SAMP	Molybdenum, Dissolved	R3039694	J
	WG790843	SAMP	Uranium, Dissolved	R3039694	J
	WG790845	SAMP	Boron, Dissolved	R3039366	J
	WG790845	SAMP	Manganese, Dissolved	R3039344	J
	WG790685	SAMP	pH	R3038732	JT8
L766516-02	WG791717	SAMP	Benzaldehyde	R3039495	J3
	WG791717	SAMP	Di-n-butyl phthalate	R3039495	J
	WG790793	SAMP	Benzene	R3039057	J
	WG790793	SAMP	Chloroform	R3039057	J
	WG790843	SAMP	Molybdenum, Dissolved	R3039694	J
	WG790843	SAMP	Uranium, Dissolved	R3039694	J
	WG790845	SAMP	Boron, Dissolved	R3039366	J
	WG790845	SAMP	Manganese, Dissolved	R3039344	J
	WG790845	SAMP	Zinc, Dissolved	R3039344	J
	WG790972	SAMP	pH	R3039143	JT8
	WG791717	SAMP	Benzaldehyde	R3039495	J3
	WG791717	SAMP	Di-n-butyl phthalate	R3039495	J
	WG790843	SAMP	Molybdenum, Dissolved	R3039694	J
	WG790843	SAMP	Uranium, Dissolved	R3039694	J
L766516-03	WG790845	SAMP	Boron, Dissolved	R3039366	J
	WG790845	SAMP	Manganese, Dissolved	R3039344	J
	WG790845	SAMP	Zinc, Dissolved	R3039344	J
	WG790972	SAMP	pH	R3039143	JT8
	WG791717	SAMP	Benzaldehyde	R3039495	J3
	WG791717	SAMP	Di-n-butyl phthalate	R3039495	J
	WG790843	SAMP	Molybdenum, Dissolved	R3039694	J
	WG790843	SAMP	Uranium, Dissolved	R3039694	J
	WG790845	SAMP	Boron, Dissolved	R3039366	J
	WG790845	SAMP	Manganese, Dissolved	R3039344	J
	WG790972	SAMP	pH	R3039143	JT8
	WG791717	SAMP	Benzaldehyde	R3039495	J3
	WG791717	SAMP	Di-n-butyl phthalate	R3039495	J
	WG790797	SAMP	Benzene	R3039244	J
L766516-04	WG790797	SAMP	Chloroform	R3039244	J
	WG790843	SAMP	Molybdenum, Dissolved	R3039694	J
	WG790843	SAMP	Uranium, Dissolved	R3039694	J
	WG790845	SAMP	Boron, Dissolved	R3039366	J
	WG790845	SAMP	Manganese, Dissolved	R3039344	J
	WG790972	SAMP	pH	R3039143	JT8
	WG791717	SAMP	Benzaldehyde	R3039495	J3

Attachment B
Explanation of QC Qualifier Codes

Qualifier	Meaning
J	(EPA) - Estimated value below the lowest calibration point. Confidence correlates with concentration.
J3	The associated batch QC was outside the established quality control range for precision.
T8	(ESC) - Additional method/sample information: Sample(s) received past/too close to holding time expiration.

Qualifier Report Information

ESC utilizes sample and result qualifiers as set forth by the EPA Contract Laboratory Program and as required by most certifying bodies including NELAC. In addition to the EPA qualifiers adopted by ESC, we have implemented ESC qualifiers to provide more information pertaining to our analytical results. Each qualifier is designated in the qualifier explanation as either EPA or ESC. Data qualifiers are intended to provide the ESC client with more detailed information concerning the potential bias of reported data. Because of the wide range of constituents and variety of matrices incorporated by most EPA methods, it is common for some compounds to fall outside of established ranges. These exceptions are evaluated and all reported data is valid and useable "unless qualified as 'R' (Rejected)."

Definitions

- Accuracy - The relationship of the observed value of a known sample to the true value of a known sample. Represented by percent recovery and relevant to samples such as: control samples, matrix spike recoveries, surrogate recoveries, etc.
- Precision - The agreement between a set of samples or between duplicate samples. Relates to how close together the results are and is represented by Relative Percent Difference.
- Surrogate - Organic compounds that are similar in chemical composition, extraction, and chromatography to analytes of interest. The surrogates are used to determine the probable response of the group of analytes that are chemically related to the surrogate compound. Surrogates are added to the sample and carried through all stages of preparation and analyses.
- TIC - Tentatively Identified Compound: Compounds detected in samples that are not target compounds, internal standards, system monitoring compounds, or surrogates.

TRC Solutions - Austin, TX

Sample Delivery Group: L785444
Samples Received: 08/27/2015
Project Number: 227000.0000.0000
Description: Lovington Lea Refinery
Site: LOVINGTON LEA REFINERY
Report To: John Allen
505 E. Huntland Drive, Suite 250
Austin, TX 78752

Entire Report Reviewed By:



Pam Langford

Pam Langford

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.



¹Cp: Cover Page	1
²Tc: Table of Contents	2
³Ss: Sample Summary	3
⁴Cn: Case Narrative	8
⁵Sr: Sample Results	9
MW-5 L785444-01	9
MW-12R L785444-02	13
MW-20 L785444-03	17
MW-21 L785444-04	21
MW-22 L785444-05	25
MW-23 L785444-06	29
MW-24 L785444-07	33
MW-18 L785444-08	37
MW-25 L785444-09	41
DUP-1 L785444-10	45
MW-26 L785444-11	49
MW-19 L785444-12	53
MW-27 L785444-13	57
MW-3 L785444-14	61
MW-9 L785444-15	65
TB-8-26-15-A L785444-16	69
⁶Qc: Quality Control Summary	70
Gravimetric Analysis by Method 2540 C-2011	70
Wet Chemistry by Method 2320 B-2011	73
Wet Chemistry by Method 353.2	75
Wet Chemistry by Method 9040C	77
Wet Chemistry by Method 9050A	78
Wet Chemistry by Method 9056	80
Mercury by Method 7470A	85
Metals (ICP) by Method 6010B	86
Metals (ICPMS) by Method 6020	87
Volatile Organic Compounds (GC/MS) by Method 8260B	89
Semi Volatile Organic Compounds (GC/MS) by Method 8270 C	94
⁷Gl: Glossary of Terms	99
⁸Al: Accreditations & Locations	100
⁹Sc: Chain of Custody	101



SAMPLE SUMMARY

ONE LAB. NATIONWIDE.



MW-5 L785444-01 GW

			Collected by JA / AE	Collected date/time 08/24/15 18:15	Received date/time 08/27/15 12:15
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analysis Analyst
Gravimetric Analysis by Method 2540 C-2011	WG812007	1	08/28/15 05:22	08/29/15 13:53	JM
Mercury by Method 7470A	WG811966	1	08/28/15 12:36	08/28/15 18:21	BRJ
Metals (ICP) by Method 6010B	WG812466	1	08/31/15 18:10	09/01/15 08:54	LTB
Metals (ICPMS) by Method 6020	WG812713	1	09/02/15 17:43	09/03/15 01:32	AB
Semi Volatile Organic Compounds (GC/MS) by Method 8270 C	WG812320	1	08/31/15 15:32	09/01/15 06:03	ADF
Volatile Organic Compounds (GC/MS) by Method 8260B	WG812229	1	09/01/15 15:12	09/01/15 15:12	MCB
Wet Chemistry by Method 2320 B-2011	WG812023	5	08/31/15 08:09	08/31/15 08:09	MCG
Wet Chemistry by Method 353.2	WG812181	1	09/01/15 10:19	09/01/15 10:19	ASK
Wet Chemistry by Method 9040C	WG812161	1	08/29/15 11:02	08/29/15 11:02	CM
Wet Chemistry by Method 9050A	WG812174	1	08/29/15 00:28	08/29/15 00:28	TOF
Wet Chemistry by Method 9056	WG812351	1	09/03/15 12:28	09/03/15 12:28	DJD

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

MW-12R L785444-02 GW

			Collected by JA / AE	Collected date/time 08/25/15 08:25	Received date/time 08/27/15 12:15
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analysis Analyst
Gravimetric Analysis by Method 2540 C-2011	WG812007	1	08/28/15 05:22	08/29/15 13:53	JM
Mercury by Method 7470A	WG811966	1	08/28/15 12:36	08/28/15 18:24	BRJ
Metals (ICP) by Method 6010B	WG812466	1	08/31/15 18:10	09/01/15 08:57	LTB
Metals (ICPMS) by Method 6020	WG812713	1	09/02/15 17:43	09/03/15 01:34	AB
Semi Volatile Organic Compounds (GC/MS) by Method 8270 C	WG812320	1	08/31/15 15:32	09/01/15 06:27	ADF
Volatile Organic Compounds (GC/MS) by Method 8260B	WG812229	1	09/01/15 15:31	09/01/15 15:31	MCB
Wet Chemistry by Method 2320 B-2011	WG812023	1	08/31/15 08:09	08/31/15 08:09	MCG
Wet Chemistry by Method 353.2	WG812181	1	09/01/15 10:21	09/01/15 10:21	ASK
Wet Chemistry by Method 9040C	WG812161	1	08/29/15 11:02	08/29/15 11:02	CM
Wet Chemistry by Method 9050A	WG812174	1	08/29/15 00:28	08/29/15 00:28	TOF
Wet Chemistry by Method 9056	WG812351	1	09/03/15 12:57	09/03/15 12:57	DJD

MW-20 L785444-03 GW

			Collected by JA / AE	Collected date/time 08/25/15 09:48	Received date/time 08/27/15 12:15
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analysis Analyst
Gravimetric Analysis by Method 2540 C-2011	WG812007	1	08/28/15 05:22	08/29/15 13:53	JM
Mercury by Method 7470A	WG811966	1	08/28/15 12:36	08/28/15 18:27	BRJ
Metals (ICP) by Method 6010B	WG812466	1	08/31/15 18:10	09/01/15 09:00	LTB
Metals (ICPMS) by Method 6020	WG812713	1	09/02/15 17:43	09/03/15 01:37	AB
Semi Volatile Organic Compounds (GC/MS) by Method 8270 C	WG812320	1	08/31/15 15:32	09/01/15 06:50	ADF
Volatile Organic Compounds (GC/MS) by Method 8260B	WG812229	1	09/01/15 15:51	09/01/15 15:51	MCB
Wet Chemistry by Method 2320 B-2011	WG812024	1	08/31/15 13:25	08/31/15 13:25	MCG
Wet Chemistry by Method 353.2	WG812181	1	09/01/15 10:22	09/01/15 10:22	ASK
Wet Chemistry by Method 9040C	WG812161	1	08/29/15 11:02	08/29/15 11:02	CM
Wet Chemistry by Method 9050A	WG812174	1	08/29/15 00:28	08/29/15 00:28	TOF
Wet Chemistry by Method 9056	WG812351	1	09/03/15 13:41	09/03/15 13:41	DJD
Wet Chemistry by Method 9056	WG812351	10	09/03/15 13:55	09/03/15 13:55	DJD

MW-21 L785444-04 GW

			Collected by JA / AE	Collected date/time 08/25/15 11:02	Received date/time 08/27/15 12:15
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analysis Analyst
Gravimetric Analysis by Method 2540 C-2011	WG812009	1	08/28/15 06:02	08/29/15 13:42	JM
Mercury by Method 7470A	WG811966	1	08/28/15 12:36	08/28/15 18:30	BRJ
Metals (ICP) by Method 6010B	WG812466	1	08/31/15 18:10	09/01/15 09:02	LTB

SAMPLE SUMMARY

ONE LAB. NATIONWIDE.



MW-21 L785444-04 GW

			Collected by JA / AE	Collected date/time 08/25/15 11:02	Received date/time 08/27/15 12:15
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analysis Analyst
Metals (ICPMS) by Method 6020	WG812713	1	09/02/15 17:43	09/03/15 01:39	AB
Semi Volatile Organic Compounds (GC/MS) by Method 8270 C	WG812320	1	08/31/15 15:32	09/01/15 07:13	ADF
Volatile Organic Compounds (GC/MS) by Method 8260B	WG812229	1	09/01/15 16:11	09/01/15 16:11	MCB
Wet Chemistry by Method 2320 B-2011	WG812024	5	08/31/15 13:25	08/31/15 13:25	MCG
Wet Chemistry by Method 353.2	WG812181	1	09/01/15 10:23	09/01/15 10:23	ASK
Wet Chemistry by Method 9040C	WG812161	1	08/29/15 11:02	08/29/15 11:02	CM
Wet Chemistry by Method 9050A	WG812174	1	08/29/15 00:28	08/29/15 00:28	TOF
Wet Chemistry by Method 9056	WG812351	1	09/03/15 14:38	09/03/15 14:38	DJD
Wet Chemistry by Method 9056	WG812351	10	09/03/15 14:53	09/03/15 14:53	DJD

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

MW-22 L785444-05 GW

			Collected by JA / AE	Collected date/time 08/25/15 12:15	Received date/time 08/27/15 12:15
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analysis Analyst
Gravimetric Analysis by Method 2540 C-2011	WG812009	1	08/28/15 06:02	08/29/15 13:42	JM
Mercury by Method 7470A	WG811966	1	08/28/15 12:36	08/28/15 18:33	BRJ
Metals (ICP) by Method 6010B	WG812466	1	08/31/15 18:10	09/01/15 09:05	LTB
Metals (ICPMS) by Method 6020	WG812713	1	09/02/15 17:43	09/03/15 01:41	AB
Semi Volatile Organic Compounds (GC/MS) by Method 8270 C	WG812320	1	08/31/15 15:32	09/01/15 07:36	ADF
Volatile Organic Compounds (GC/MS) by Method 8260B	WG812229	1	09/01/15 16:30	09/01/15 16:30	MCB
Wet Chemistry by Method 2320 B-2011	WG812024	5	08/31/15 13:25	08/31/15 13:25	MCG
Wet Chemistry by Method 353.2	WG812181	1	09/01/15 10:24	09/01/15 10:24	ASK
Wet Chemistry by Method 9040C	WG812161	1	08/29/15 11:02	08/29/15 11:02	CM
Wet Chemistry by Method 9050A	WG812174	1	08/29/15 00:28	08/29/15 00:28	TOF
Wet Chemistry by Method 9056	WG812351	1	09/03/15 15:07	09/03/15 15:07	DJD
Wet Chemistry by Method 9056	WG812351	10	09/03/15 15:22	09/03/15 15:22	DJD

⁷ Gl

⁸ Al

⁹ Sc

MW-23 L785444-06 GW

			Collected by JA / AE	Collected date/time 08/25/15 14:20	Received date/time 08/27/15 12:15
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analysis Analyst
Gravimetric Analysis by Method 2540 C-2011	WG812009	1	08/28/15 06:02	08/29/15 13:42	JM
Mercury by Method 7470A	WG811966	1	08/28/15 12:36	08/28/15 18:35	BRJ
Metals (ICP) by Method 6010B	WG812466	1	08/31/15 18:10	09/01/15 09:08	LTB
Metals (ICPMS) by Method 6020	WG812713	1	09/02/15 17:43	09/03/15 01:44	AB
Semi Volatile Organic Compounds (GC/MS) by Method 8270 C	WG812320	1	08/31/15 15:32	09/01/15 08:00	ADF
Volatile Organic Compounds (GC/MS) by Method 8260B	WG812229	1	09/01/15 16:50	09/01/15 16:50	MCB
Wet Chemistry by Method 2320 B-2011	WG812024	1	08/31/15 13:25	08/31/15 13:25	MCG
Wet Chemistry by Method 353.2	WG812181	1	09/01/15 10:29	09/01/15 10:29	ASK
Wet Chemistry by Method 9040C	WG812161	1	08/29/15 11:02	08/29/15 11:02	CM
Wet Chemistry by Method 9050A	WG812174	1	08/29/15 00:28	08/29/15 00:28	TOF
Wet Chemistry by Method 9056	WG812351	1	09/03/15 15:36	09/03/15 15:36	DJD
Wet Chemistry by Method 9056	WG812351	10	09/03/15 15:50	09/03/15 15:50	DJD

MW-24 L785444-07 GW

			Collected by JA / AE	Collected date/time 08/25/15 15:30	Received date/time 08/27/15 12:15
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analysis Analyst
Gravimetric Analysis by Method 2540 C-2011	WG812009	1	08/28/15 06:02	08/29/15 13:42	JM
Mercury by Method 7470A	WG811966	1	08/28/15 12:36	08/28/15 18:38	BRJ
Metals (ICP) by Method 6010B	WG812466	1	08/31/15 18:10	09/01/15 09:17	LTB
Metals (ICPMS) by Method 6020	WG812713	1	09/02/15 17:43	09/03/15 01:46	AB



MW-24 L785444-07 GW

			Collected by JA / AE	Collected date/time 08/25/15 15:30	Received date/time 08/27/15 12:15
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analysis Analyst
Semi Volatile Organic Compounds (GC/MS) by Method 8270 C	WG812320	1	08/31/15 15:32	09/01/15 08:23	ADF
Volatile Organic Compounds (GC/MS) by Method 8260B	WG812229	1	09/01/15 17:10	09/01/15 17:10	MCB
Wet Chemistry by Method 2320 B-2011	WG812024	1	08/31/15 13:25	08/31/15 13:25	MCG
Wet Chemistry by Method 353.2	WG812181	1	09/01/15 10:31	09/01/15 10:31	ASK
Wet Chemistry by Method 9040C	WG812161	1	08/29/15 11:02	08/29/15 11:02	CM
Wet Chemistry by Method 9050A	WG812174	1	08/29/15 00:28	08/29/15 00:28	TOF
Wet Chemistry by Method 9056	WG812351	1	09/03/15 16:05	09/03/15 16:05	DJD

1
Cp2
Tc3
Ss4
Cn5
Sr6
Qc7
Gl8
Al9
Sc

MW-18 L785444-08 GW

			Collected by JA / AE	Collected date/time 08/25/15 16:48	Received date/time 08/27/15 12:15
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analysis Analyst
Gravimetric Analysis by Method 2540 C-2011	WG812009	1	08/28/15 06:02	08/29/15 13:43	JM
Mercury by Method 7470A	WG811966	1	08/28/15 12:36	08/28/15 18:41	BRJ
Metals (ICP) by Method 6010B	WG812466	1	08/31/15 18:10	09/01/15 09:20	LTB
Metals (ICPMS) by Method 6020	WG812713	1	09/02/15 17:43	09/03/15 01:48	AB
Semi Volatile Organic Compounds (GC/MS) by Method 8270 C	WG812320	1	08/31/15 15:32	09/01/15 08:46	ADF
Volatile Organic Compounds (GC/MS) by Method 8260B	WG812229	1	09/01/15 17:30	09/01/15 17:30	MCB
Wet Chemistry by Method 2320 B-2011	WG812024	1	08/31/15 13:25	08/31/15 13:25	MCG
Wet Chemistry by Method 353.2	WG812181	1	09/01/15 10:34	09/01/15 10:34	ASK
Wet Chemistry by Method 9040C	WG812161	1	08/29/15 11:02	08/29/15 11:02	CM
Wet Chemistry by Method 9050A	WG812174	1	08/29/15 00:28	08/29/15 00:28	TOF
Wet Chemistry by Method 9056	WG812351	1	09/03/15 16:34	09/03/15 16:34	DJD
Wet Chemistry by Method 9056	WG812351	10	09/03/15 16:48	09/03/15 16:48	DJD

MW-25 L785444-09 GW

			Collected by JA / AE	Collected date/time 08/25/15 18:00	Received date/time 08/27/15 12:15
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analysis Analyst
Gravimetric Analysis by Method 2540 C-2011	WG812009	1	08/28/15 06:02	08/29/15 13:43	JM
Mercury by Method 7470A	WG811966	1	08/28/15 12:36	08/28/15 18:50	BRJ
Metals (ICP) by Method 6010B	WG812466	1	08/31/15 18:10	09/01/15 09:23	LTB
Metals (ICPMS) by Method 6020	WG812713	1	09/02/15 17:43	09/03/15 01:50	AB
Semi Volatile Organic Compounds (GC/MS) by Method 8270 C	WG812320	1	08/31/15 15:32	09/01/15 09:09	ADF
Volatile Organic Compounds (GC/MS) by Method 8260B	WG812229	1	09/01/15 17:50	09/01/15 17:50	MCB
Wet Chemistry by Method 2320 B-2011	WG812024	1	08/31/15 13:25	08/31/15 13:25	MCG
Wet Chemistry by Method 353.2	WG812181	1	09/01/15 10:35	09/01/15 10:35	ASK
Wet Chemistry by Method 9040C	WG812161	1	08/29/15 11:02	08/29/15 11:02	CM
Wet Chemistry by Method 9050A	WG812174	1	08/29/15 00:28	08/29/15 00:28	TOF
Wet Chemistry by Method 9056	WG812351	1	09/03/15 17:02	09/03/15 17:02	DJD
Wet Chemistry by Method 9056	WG813483	3	09/04/15 13:26	09/04/15 13:26	DJD

DUP-1 L785444-10 GW

			Collected by JA / AE	Collected date/time 08/25/15 18:00	Received date/time 08/27/15 12:15
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analysis Analyst
Gravimetric Analysis by Method 2540 C-2011	WG812009	1	08/28/15 06:02	08/29/15 13:43	JM
Mercury by Method 7470A	WG811966	1	08/28/15 12:36	08/28/15 18:53	BRJ
Metals (ICP) by Method 6010B	WG812466	1	08/31/15 18:10	09/01/15 09:26	LTB
Metals (ICPMS) by Method 6020	WG812713	1	09/02/15 17:43	09/03/15 01:53	AB
Semi Volatile Organic Compounds (GC/MS) by Method 8270 C	WG812320	1	08/31/15 15:32	09/01/15 09:33	ADF
Volatile Organic Compounds (GC/MS) by Method 8260B	WG812229	1	09/01/15 18:10	09/01/15 18:10	MCB



DUP-1 L785444-10 GW

			Collected by JA / AE	Collected date/time 08/25/15 18:00	Received date/time 08/27/15 12:15
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analysis Analyst
Wet Chemistry by Method 2320 B-2011	WG812024	1	08/31/15 13:25	08/31/15 13:25	MCG
Wet Chemistry by Method 353.2	WG812181	1	09/01/15 10:36	09/01/15 10:36	ASK
Wet Chemistry by Method 9040C	WG812161	1	08/29/15 11:02	08/29/15 11:02	CM
Wet Chemistry by Method 9050A	WG812174	1	08/29/15 00:28	08/29/15 00:28	TOF
Wet Chemistry by Method 9056	WG813483	3	09/04/15 13:40	09/04/15 13:40	DJD

1
Cp2
Tc3
Ss4
Cn

MW-26 L785444-11 GW

			Collected by JA / AE	Collected date/time 08/25/15 19:15	Received date/time 08/27/15 12:15
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analysis Analyst
Gravimetric Analysis by Method 2540 C-2011	WG812009	1	08/28/15 06:02	08/29/15 13:43	JM
Mercury by Method 7470A	WG811966	1	08/28/15 12:36	08/28/15 18:56	BRJ
Metals (ICP) by Method 6010B	WG812466	1	08/31/15 18:10	09/01/15 09:29	LTB
Metals (ICPMS) by Method 6020	WG812713	1	09/02/15 17:43	09/03/15 07:53	AB
Semi Volatile Organic Compounds (GC/MS) by Method 8270 C	WG812320	1	08/31/15 15:32	09/01/15 09:56	ADF
Volatile Organic Compounds (GC/MS) by Method 8260B	WG812229	1	09/01/15 18:30	09/01/15 18:30	MCB
Wet Chemistry by Method 2320 B-2011	WG812024	5	08/31/15 13:25	08/31/15 13:25	MCG
Wet Chemistry by Method 353.2	WG812181	1	09/01/15 10:37	09/01/15 10:37	ASK
Wet Chemistry by Method 9040C	WG812161	1	08/29/15 11:02	08/29/15 11:02	CM
Wet Chemistry by Method 9050A	WG812174	1	08/29/15 00:28	08/29/15 00:28	TOF
Wet Chemistry by Method 9056	WG813483	3	09/04/15 13:54	09/04/15 13:54	DJD

5
Sr6
Qc7
Gl8
Al9
Sc

MW-19 L785444-12 GW

			Collected by JA / AE	Collected date/time 08/26/15 08:50	Received date/time 08/27/15 12:15
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analysis Analyst
Gravimetric Analysis by Method 2540 C-2011	WG812093	1	08/28/15 13:49	08/29/15 14:08	MF
Mercury by Method 7470A	WG811966	1	08/28/15 12:36	08/28/15 18:59	BRJ
Metals (ICP) by Method 6010B	WG812466	1	08/31/15 18:10	09/01/15 09:32	LTB
Metals (ICPMS) by Method 6020	WG812713	1	09/02/15 17:43	09/03/15 07:56	AB
Semi Volatile Organic Compounds (GC/MS) by Method 8270 C	WG812320	1	08/31/15 15:32	09/01/15 10:19	ADF
Volatile Organic Compounds (GC/MS) by Method 8260B	WG812229	1	09/01/15 18:51	09/01/15 18:51	MCB
Wet Chemistry by Method 2320 B-2011	WG812024	1	08/31/15 13:25	08/31/15 13:25	MCG
Wet Chemistry by Method 353.2	WG812181	1	09/01/15 10:38	09/01/15 10:38	ASK
Wet Chemistry by Method 9040C	WG812161	1	08/29/15 11:02	08/29/15 11:02	CM
Wet Chemistry by Method 9050A	WG812174	1	08/29/15 00:28	08/29/15 00:28	TOF
Wet Chemistry by Method 9056	WG813483	3	09/04/15 14:08	09/04/15 14:08	DJD

MW-27 L785444-13 GW

			Collected by JA / AE	Collected date/time 08/26/15 10:35	Received date/time 08/27/15 12:15
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analysis Analyst
Gravimetric Analysis by Method 2540 C-2011	WG812093	1	08/28/15 13:49	08/29/15 14:09	MF
Mercury by Method 7470A	WG811966	1	08/28/15 12:36	08/28/15 19:02	BRJ
Metals (ICP) by Method 6010B	WG812466	1	08/31/15 18:10	09/01/15 09:35	LTB
Metals (ICPMS) by Method 6020	WG812713	1	09/02/15 17:43	09/03/15 07:58	AB
Semi Volatile Organic Compounds (GC/MS) by Method 8270 C	WG812320	1	08/31/15 15:32	09/01/15 10:42	ADF
Volatile Organic Compounds (GC/MS) by Method 8260B	WG812229	1	09/01/15 19:11	09/01/15 19:11	MCB
Wet Chemistry by Method 2320 B-2011	WG812024	5	08/31/15 13:25	08/31/15 13:25	MCG
Wet Chemistry by Method 353.2	WG812181	1	09/01/15 10:39	09/01/15 10:39	ASK
Wet Chemistry by Method 9040C	WG812161	1	08/29/15 11:02	08/29/15 11:02	CM
Wet Chemistry by Method 9050A	WG812174	1	08/29/15 00:28	08/29/15 00:28	TOF
Wet Chemistry by Method 9056	WG813483	2	09/04/15 14:21	09/04/15 14:21	DJD



MW-3 L785444-14 GW

			Collected by JA / AE	Collected date/time 08/26/15 12:23	Received date/time 08/27/15 12:15
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analysis Analyst
Gravimetric Analysis by Method 2540 C-2011	WG812093	1	08/28/15 13:49	08/29/15 14:10	MF
Mercury by Method 7470A	WG811966	1	08/28/15 12:36	08/28/15 19:05	BRJ
Metals (ICP) by Method 6010B	WG812466	1	08/31/15 18:10	09/01/15 09:38	LTB
Metals (ICPMS) by Method 6020	WG812713	1	09/02/15 17:43	09/03/15 08:00	AB
Semi Volatile Organic Compounds (GC/MS) by Method 8270 C	WG812320	1	08/31/15 15:32	09/01/15 11:06	ADF
Volatile Organic Compounds (GC/MS) by Method 8260B	WG812229	1	09/01/15 19:31	09/01/15 19:31	MCB
Wet Chemistry by Method 2320 B-2011	WG812024	1	08/31/15 13:25	08/31/15 13:25	MCG
Wet Chemistry by Method 353.2	WG812181	1	09/01/15 10:40	09/01/15 10:40	ASK
Wet Chemistry by Method 9040C	WG812161	1	08/29/15 11:02	08/29/15 11:02	CM
Wet Chemistry by Method 9050A	WG812578	1	09/01/15 11:53	09/01/15 11:53	JER
Wet Chemistry by Method 9056	WG813483	1	09/04/15 14:35	09/04/15 14:35	DJD

1
Cp2
Tc3
Ss4
Cn5
Sr6
Qc7
Gl8
Al9
Sc

MW-9 L785444-15 GW

			Collected by JA / AE	Collected date/time 08/26/15 13:22	Received date/time 08/27/15 12:15
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analysis Analyst
Gravimetric Analysis by Method 2540 C-2011	WG812093	1	08/28/15 13:49	08/29/15 14:08	MF
Mercury by Method 7470A	WG811966	1	08/28/15 12:36	08/28/15 19:07	BRJ
Metals (ICP) by Method 6010B	WG812466	1	08/31/15 18:10	09/01/15 09:41	LTB
Metals (ICPMS) by Method 6020	WG812713	1	09/02/15 17:43	09/03/15 08:02	AB
Semi Volatile Organic Compounds (GC/MS) by Method 8270 C	WG812320	1	08/31/15 15:32	09/01/15 11:29	ADF
Volatile Organic Compounds (GC/MS) by Method 8260B	WG812229	1	09/01/15 19:51	09/01/15 19:51	MCB
Wet Chemistry by Method 2320 B-2011	WG812024	1	08/31/15 13:25	08/31/15 13:25	MCG
Wet Chemistry by Method 353.2	WG812181	1	09/01/15 10:41	09/01/15 10:41	ASK
Wet Chemistry by Method 9040C	WG812161	1	08/29/15 11:02	08/29/15 11:02	CM
Wet Chemistry by Method 9050A	WG812578	1	09/01/15 11:53	09/01/15 11:53	JER
Wet Chemistry by Method 9056	WG812887	1	09/03/15 10:08	09/03/15 10:08	DJD

TB-8-26-15-A L785444-16 GW

			Collected by JA / AE	Collected date/time 08/26/15 00:00	Received date/time 08/27/15 12:15
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analysis Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG812229	1	09/01/15 20:11	09/01/15 20:11	MCB



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.

Pam Langford

Pam Langford
Technical Service Representative

Sample Handling and Receiving

[method] [batch] [samples]: Prepared and/or analyzed past recommended holding time. Concentrations should be considered minimum values.

ESC Sample ID	Project Sample ID	Method
L785444-01	MW-5	9040C
L785444-02	MW-12R	9040C
L785444-03	MW-20	9040C
L785444-04	MW-21	9040C
L785444-05	MW-22	9040C
L785444-06	MW-23	9040C
L785444-07	MW-24	9040C
L785444-08	MW-18	9040C
L785444-09	MW-25	9040C
L785444-10	DUP-1	9040C
L785444-11	MW-26	9040C
L785444-12	MW-19	9040C
L785444-13	MW-27	9040C
L785444-14	MW-3	9040C
L785444-15	MW-9	9040C

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	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Dissolved Solids	586		2.82	10.0	10.0	1	08/29/2015 13:53	WG812007

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Alkalinity	375		13.0	20.0	100	5	08/31/2015 08:09	WG812023

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Nitrate-Nitrite	1.97		0.0197	0.100	0.100	1	09/01/2015 10:19	WG812181

Wet Chemistry by Method 9040C

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	su			date / time	
pH	6.63		1	08/29/2015 11:02	WG812161

Sample Narrative:

9040C L785444-01 WG812161: 6.63 at 16.8c

Wet Chemistry by Method 9050A

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	umhos/cm			date / time	
Specific Conductance	770		1	08/29/2015 00:28	WG812174

Wet Chemistry by Method 9056

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Chloride	19.9		0.0519	1.00	1.00	1	09/03/2015 12:28	WG812351
Fluoride	1.52		0.00990	0.100	0.100	1	09/03/2015 12:28	WG812351
Sulfate	39.9		0.0774	5.00	5.00	1	09/03/2015 12:28	WG812351

Mercury by Method 7470A

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Mercury	U		0.0000490	0.000200	0.000200	1	08/28/2015 18:21	WG811966

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Aluminum,Dissolved	U		0.0350	0.200	0.200	1	09/01/2015 08:54	WG812466
Boron,Dissolved	0.0899	J	0.0126	0.200	0.200	1	09/01/2015 08:54	WG812466
Calcium,Dissolved	71.7		0.0463	1.00	1.00	1	09/01/2015 08:54	WG812466
Iron,Dissolved	U		0.0141	0.100	0.100	1	09/01/2015 08:54	WG812466
Magnesium,Dissolved	7.99		0.0111	1.00	1.00	1	09/01/2015 08:54	WG812466
Molybdenum,Dissolved	0.00476	J	0.00160	0.00500	0.00500	1	09/01/2015 08:54	WG812466
Potassium,Dissolved	3.34		0.102	1.00	1.00	1	09/01/2015 08:54	WG812466
Sodium,Dissolved	103		0.0985	1.00	1.00	1	09/01/2015 08:54	WG812466



Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Arsenic,Dissolved	0.00410		0.000250	0.00200	0.00200	1	09/03/2015 01:32	WG812713
Barium,Dissolved	0.121		0.000360	0.00500	0.00500	1	09/03/2015 01:32	WG812713
Cadmium,Dissolved	U		0.000160	0.00100	0.00100	1	09/03/2015 01:32	WG812713
Chromium,Dissolved	0.00111	U	0.000540	0.00200	0.00200	1	09/03/2015 01:32	WG812713
Copper,Dissolved	0.00102	U	0.000520	0.00500	0.00500	1	09/03/2015 01:32	WG812713
Cobalt,Dissolved	U		0.000260	0.00200	0.00200	1	09/03/2015 01:32	WG812713
Lead,Dissolved	U		0.000240	0.00200	0.00200	1	09/03/2015 01:32	WG812713
Manganese,Dissolved	U		0.000250	0.00500	0.00500	1	09/03/2015 01:32	WG812713
Nickel,Dissolved	0.000814	U	0.000350	0.00200	0.00200	1	09/03/2015 01:32	WG812713
Selenium,Dissolved	U		0.000380	0.00200	0.00200	1	09/03/2015 01:32	WG812713
Silver,Dissolved	U		0.000310	0.00200	0.00200	1	09/03/2015 01:32	WG812713
Uranium,Dissolved	0.00410	U	0.000330	0.0100	0.0100	1	09/03/2015 01:32	WG812713
Zinc,Dissolved	0.00539	U	0.00256	0.0250	0.0250	1	09/03/2015 01:32	WG812713

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 mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0100	1.00	1.00	1	09/01/2015 15:12	WG812229
Benzene	U		0.000331	0.00100	0.00100	1	09/01/2015 15:12	WG812229
Bromodichloromethane	U		0.000380	0.00125	0.00125	1	09/01/2015 15:12	WG812229
Bromoform	U		0.000469	0.00100	0.00100	1	09/01/2015 15:12	WG812229
Bromomethane	U		0.000866	0.00500	0.00500	1	09/01/2015 15:12	WG812229
n-Butylbenzene	U		0.000361	0.00100	0.00100	1	09/01/2015 15:12	WG812229
sec-Butylbenzene	U		0.000365	0.00100	0.00100	1	09/01/2015 15:12	WG812229
tert-Butylbenzene	U		0.000399	0.00100	0.00100	1	09/01/2015 15:12	WG812229
Carbon disulfide	U		0.000275	0.00100	0.00100	1	09/01/2015 15:12	WG812229
Carbon tetrachloride	U		0.000379	0.00100	0.00100	1	09/01/2015 15:12	WG812229
Chlorobenzene	U		0.000348	0.00100	0.00100	1	09/01/2015 15:12	WG812229
Chlorodibromomethane	U		0.000327	0.00100	0.00100	1	09/01/2015 15:12	WG812229
Chloroethane	U		0.000453	0.00500	0.00500	1	09/01/2015 15:12	WG812229
Chloroform	U		0.000324	0.00500	0.00500	1	09/01/2015 15:12	WG812229
Chloromethane	U		0.000276	0.00250	0.00250	1	09/01/2015 15:12	WG812229
1,2-Dibromoethane	U		0.000381	0.00100	0.00100	1	09/01/2015 15:12	WG812229
1,1-Dichloroethane	U		0.000259	0.00100	0.00100	1	09/01/2015 15:12	WG812229
1,2-Dichloroethane	U		0.000361	0.00100	0.00100	1	09/01/2015 15:12	WG812229
1,1-Dichloroethene	U		0.000398	0.00100	0.00100	1	09/01/2015 15:12	WG812229
cis-1,2-Dichloroethene	U		0.000260	0.00100	0.00100	1	09/01/2015 15:12	WG812229
trans-1,2-Dichloroethene	U		0.000396	0.00100	0.00100	1	09/01/2015 15:12	WG812229
1,2-Dichloropropane	U		0.000306	0.00100	0.00100	1	09/01/2015 15:12	WG812229
cis-1,3-Dichloropropene	U		0.000418	0.00100	0.00100	1	09/01/2015 15:12	WG812229
trans-1,3-Dichloropropene	U		0.000419	0.00100	0.00100	1	09/01/2015 15:12	WG812229
Ethylbenzene	U		0.000384	0.00100	0.00100	1	09/01/2015 15:12	WG812229
Hexachloro-1,3-butadiene	0.000470	U	0.000256	0.00100	0.00100	1	09/01/2015 15:12	WG812229
2-Hexanone	U		0.00382	0.0100	0.0100	1	09/01/2015 15:12	WG812229
Isopropylbenzene	U		0.000326	0.00100	0.00100	1	09/01/2015 15:12	WG812229
p-Isopropyltoluene	U		0.000350	0.00100	0.00100	1	09/01/2015 15:12	WG812229
2-Butanone (MEK)	U		0.00393	0.0100	0.0100	1	09/01/2015 15:12	WG812229
Methylene Chloride	0.00141	U	0.00100	0.00500	0.00500	1	09/01/2015 15:12	WG812229
4-Methyl-2-pentanone (MIBK)	U		0.00214	0.0100	0.0100	1	09/01/2015 15:12	WG812229
Methyl tert-butyl ether	U		0.000367	0.00100	0.00100	1	09/01/2015 15:12	WG812229
Naphthalene	U		0.00100	0.00500	0.00500	1	09/01/2015 15:12	WG812229
n-Propylbenzene	U		0.000349	0.00100	0.00100	1	09/01/2015 15:12	WG812229
Styrene	U		0.000307	0.00100	0.00100	1	09/01/2015 15:12	WG812229
1,1,2,2-Tetrachloroethane	U		0.000130	0.00100	0.00100	1	09/01/2015 15:12	WG812229
Tetrachloroethene	U		0.000372	0.00100	0.00100	1	09/01/2015 15:12	WG812229
Toluene	U		0.000780	0.00500	0.00500	1	09/01/2015 15:12	WG812229



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

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
1,1,1-Trichloroethane	U		0.000319	0.00100	0.00100	1	09/01/2015 15:12	WG812229
1,1,2-Trichloroethane	U		0.000383	0.00100	0.00100	1	09/01/2015 15:12	WG812229
Trichloroethene	U		0.000398	0.00100	0.00100	1	09/01/2015 15:12	WG812229
1,2,4-Trimethylbenzene	U		0.000373	0.00100	0.00100	1	09/01/2015 15:12	WG812229
1,3,5-Trimethylbenzene	U		0.000387	0.00100	0.00100	1	09/01/2015 15:12	WG812229
Vinyl chloride	U		0.000259	0.00100	0.00100	1	09/01/2015 15:12	WG812229
Xylenes, Total	U		0.00106	0.00300	0.00300	1	09/01/2015 15:12	WG812229
(S) Toluene-d8	98.0				90.0-115		09/01/2015 15:12	WG812229
(S) Dibromofluoromethane	100				79.0-121		09/01/2015 15:12	WG812229
(S) 4-Bromofluorobenzene	94.2				80.1-120		09/01/2015 15:12	WG812229

Semi Volatile Organic Compounds (GC/MS) by Method 8270 C

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.000316	0.00100	0.00100	1	09/01/2015 06:03	WG812320
Acenaphthylene	U		0.000309	0.00100	0.00100	1	09/01/2015 06:03	WG812320
Acetophenone	U		0.00247	0.0100	0.0100	1	09/01/2015 06:03	WG812320
Anthracene	U		0.000291	0.00100	0.00100	1	09/01/2015 06:03	WG812320
Atrazine	0.00163	J	0.000260	0.0100	0.0100	1	09/01/2015 06:03	WG812320
Benzo(a)anthracene	U		0.0000510	0.00100	0.00100	1	09/01/2015 06:03	WG812320
Benzaldehyde	U		0.00140	0.0100	0.0100	1	09/01/2015 06:03	WG812320
Benzo(b)fluoranthene	U		0.0000896	0.00100	0.00100	1	09/01/2015 06:03	WG812320
Benzo(k)fluoranthene	U		0.000355	0.00100	0.00100	1	09/01/2015 06:03	WG812320
Benzo(g,h,i)perylene	U		0.00000227	0.00100	0.00100	1	09/01/2015 06:03	WG812320
Benzo(a)pyrene	U		0.0000381	0.000200	0.000200	1	09/01/2015 06:03	WG812320
Biphenyl	U		0.000325	0.0100	0.0100	1	09/01/2015 06:03	WG812320
Bis(2-chlorethoxy)methane	U		0.000329	0.0100	0.0100	1	09/01/2015 06:03	WG812320
Bis(2-chloroethyl)ether	U		0.00162	0.0100	0.0100	1	09/01/2015 06:03	WG812320
Bis(2-chloroisopropyl)ether	U		0.000445	0.0100	0.0100	1	09/01/2015 06:03	WG812320
4-Bromophenyl-phenylether	U		0.000335	0.0100	0.0100	1	09/01/2015 06:03	WG812320
2-Chloronaphthalene	U		0.000330	0.00100	0.00100	1	09/01/2015 06:03	WG812320
4-Chlorophenyl-phenylether	U		0.000303	0.0100	0.0100	1	09/01/2015 06:03	WG812320
Caprolactam	U		0.00259	0.0100	0.0100	1	09/01/2015 06:03	WG812320
Carbazole	U		0.000260	0.0100	0.0100	1	09/01/2015 06:03	WG812320
Chrysene	U		0.000332	0.00100	0.00100	1	09/01/2015 06:03	WG812320
Dibenz(a,h)anthracene	U		0.0000644	0.000200	0.000200	1	09/01/2015 06:03	WG812320
Dibenzofuran	U		0.000338	0.0100	0.0100	1	09/01/2015 06:03	WG812320
3,3-Dichlorobenzidine	U		0.00202	0.0100	0.0100	1	09/01/2015 06:03	WG812320
2,4-Dinitrotoluene	U		0.00165	0.0100	0.0100	1	09/01/2015 06:03	WG812320
2,6-Dinitrotoluene	U		0.000279	0.0100	0.0100	1	09/01/2015 06:03	WG812320
Fluoranthene	U		0.000310	0.00100	0.00100	1	09/01/2015 06:03	WG812320
Fluorene	U		0.000323	0.00100	0.00100	1	09/01/2015 06:03	WG812320
Hexachlorobenzene	U		0.000341	0.00100	0.00100	1	09/01/2015 06:03	WG812320
Hexachloro-1,3-butadiene	U		0.000329	0.0100	0.0100	1	09/01/2015 06:03	WG812320
Hexachlorocyclopentadiene	U		0.00233	0.0100	0.0100	1	09/01/2015 06:03	WG812320
Hexachloroethane	U		0.000365	0.0100	0.0100	1	09/01/2015 06:03	WG812320
Indeno(1,2,3-cd)pyrene	U		0.000279	0.00100	0.00100	1	09/01/2015 06:03	WG812320
Isophorone	U		0.000272	0.0100	0.0100	1	09/01/2015 06:03	WG812320
1-Methylnaphthalene	U		0.000332	0.00100	0.00100	1	09/01/2015 06:03	WG812320
2-Methylnaphthalene	U		0.000311	0.00100	0.00100	1	09/01/2015 06:03	WG812320
Naphthalene	U		0.000372	0.00100	0.00100	1	09/01/2015 06:03	WG812320
Nitrobenzene	U		0.000367	0.0100	0.0100	1	09/01/2015 06:03	WG812320
n-Nitrosodiphenylamine	U		0.000304	0.0100	0.0100	1	09/01/2015 06:03	WG812320
n-Nitrosodi-n-propylamine	U		0.000403	0.0100	0.0100	1	09/01/2015 06:03	WG812320
Phenanthrene	U		0.000366	0.00100	0.00100	1	09/01/2015 06:03	WG812320
Benzylbutyl phthalate	U		0.000275	0.00300	0.00300	1	09/01/2015 06:03	WG812320

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Semi Volatile Organic Compounds (GC/MS) by Method 8270 C

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Bis(2-ethylhexyl)phthalate	0.00288	U	0.000709	0.00300	0.00300	1	09/01/2015 06:03	WG812320
Di-n-butyl phthalate	0.000520	U	0.000266	0.00300	0.00300	1	09/01/2015 06:03	WG812320
Diethyl phthalate	U		0.000282	0.00300	0.00300	1	09/01/2015 06:03	WG812320
Dimethyl phthalate	U		0.000283	0.00300	0.00300	1	09/01/2015 06:03	WG812320
Di-n-octyl phthalate	0.000553	U	0.000278	0.00300	0.00300	1	09/01/2015 06:03	WG812320
Pyrene	U		0.000330	0.00100	0.00100	1	09/01/2015 06:03	WG812320
1,2,4-Trichlorobenzene	U		0.000355	0.0100	0.0100	1	09/01/2015 06:03	WG812320
4-Chloro-3-methylphenol	U		0.000263	0.0100	0.0100	1	09/01/2015 06:03	WG812320
2-Chlorophenol	U		0.000283	0.0100	0.0100	1	09/01/2015 06:03	WG812320
2,4-Dichlorophenol	U		0.000284	0.0100	0.0100	1	09/01/2015 06:03	WG812320
2,4-Dimethylphenol	U		0.000624	0.0100	0.0100	1	09/01/2015 06:03	WG812320
4,6-Dinitro-2-methylphenol	U		0.00262	0.0100	0.0100	1	09/01/2015 06:03	WG812320
2,4-Dinitrophenol	U	J3	0.00325	0.0100	0.0100	1	09/01/2015 06:03	WG812320
2-Nitrophenol	U		0.000320	0.0100	0.0100	1	09/01/2015 06:03	WG812320
2-Nitroaniline	U		0.00190	0.0100	0.0100	1	09/01/2015 06:03	WG812320
2-Methylphenol	U		0.000312	0.0100	0.0100	1	09/01/2015 06:03	WG812320
3&4-Methyl Phenol	U		0.000266	0.0100	0.0100	1	09/01/2015 06:03	WG812320
3-Nitroaniline	U		0.000308	0.0100	0.0100	1	09/01/2015 06:03	WG812320
4-Chloroaniline	U		0.000382	0.0100	0.0100	1	09/01/2015 06:03	WG812320
4-Nitroaniline	U		0.000349	0.0100	0.0100	1	09/01/2015 06:03	WG812320
4-Nitrophenol	U	J3	0.00201	0.0100	0.0100	1	09/01/2015 06:03	WG812320
Pentachlorophenol	U		0.000313	0.0100	0.0100	1	09/01/2015 06:03	WG812320
Phenol	0.000382	U	0.000334	0.0100	0.0100	1	09/01/2015 06:03	WG812320
2,4,5-Trichlorophenol	U		0.000236	0.0100	0.0100	1	09/01/2015 06:03	WG812320
2,4,6-Trichlorophenol	U		0.000297	0.0100	0.0100	1	09/01/2015 06:03	WG812320
(S) 2-Fluorophenol	55.9				10.0-77.9		09/01/2015 06:03	WG812320
(S) Phenol-d5	42.0				5.00-70.1		09/01/2015 06:03	WG812320
(S) Nitrobenzene-d5	69.0				21.8-123		09/01/2015 06:03	WG812320
(S) 2-Fluorobiphenyl	74.1				29.5-131		09/01/2015 06:03	WG812320
(S) 2,4,6-Tribromophenol	77.4				11.2-130		09/01/2015 06:03	WG812320
(S) p-Terphenyl-d14	84.3				29.3-137		09/01/2015 06:03	WG812320

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	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Dissolved Solids	527		2.82	10.0	10.0	1	08/29/2015 13:53	WG812007

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Alkalinity	248		2.61	20.0	20.0	1	08/31/2015 08:09	WG812023

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Nitrate-Nitrite	7.36		0.0197	0.100	0.100	1	09/01/2015 10:21	WG812181

Wet Chemistry by Method 9040C

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	su			date / time	
pH	6.55		1	08/29/2015 11:02	WG812161

Sample Narrative:

9040C L785444-02 WG812161: 6.55 at 16.3c

Wet Chemistry by Method 9050A

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	umhos/cm			date / time	
Specific Conductance	690		1	08/29/2015 00:28	WG812174

Wet Chemistry by Method 9056

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Chloride	19.8		0.0519	1.00	1.00	1	09/03/2015 12:57	WG812351
Fluoride	1.02		0.00990	0.100	0.100	1	09/03/2015 12:57	WG812351
Sulfate	71.1		0.0774	5.00	5.00	1	09/03/2015 12:57	WG812351

Mercury by Method 7470A

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Mercury	U		0.0000490	0.000200	0.000200	1	08/28/2015 18:24	WG811966

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Aluminum,Dissolved	U		0.0350	0.200	0.200	1	09/01/2015 08:57	WG812466
Boron,Dissolved	0.233		0.0126	0.200	0.200	1	09/01/2015 08:57	WG812466
Calcium,Dissolved	92.3		0.0463	1.00	1.00	1	09/01/2015 08:57	WG812466
Iron,Dissolved	U		0.0141	0.100	0.100	1	09/01/2015 08:57	WG812466
Magnesium,Dissolved	9.27		0.0111	1.00	1.00	1	09/01/2015 08:57	WG812466
Molybdenum,Dissolved	0.00294	J	0.00160	0.00500	0.00500	1	09/01/2015 08:57	WG812466
Potassium,Dissolved	2.46		0.102	1.00	1.00	1	09/01/2015 08:57	WG812466
Sodium,Dissolved	57.3		0.0985	1.00	1.00	1	09/01/2015 08:57	WG812466



Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Arsenic,Dissolved	0.00413		0.000250	0.00200	0.00200	1	09/03/2015 01:34	WG812713
Barium,Dissolved	0.102		0.000360	0.00500	0.00500	1	09/03/2015 01:34	WG812713
Cadmium,Dissolved	U		0.000160	0.00100	0.00100	1	09/03/2015 01:34	WG812713
Chromium,Dissolved	U		0.000540	0.00200	0.00200	1	09/03/2015 01:34	WG812713
Copper,Dissolved	U		0.000520	0.00500	0.00500	1	09/03/2015 01:34	WG812713
Cobalt,Dissolved	U		0.000260	0.00200	0.00200	1	09/03/2015 01:34	WG812713
Lead,Dissolved	U		0.000240	0.00200	0.00200	1	09/03/2015 01:34	WG812713
Manganese,Dissolved	0.00203	L	0.000250	0.00500	0.00500	1	09/03/2015 01:34	WG812713
Nickel,Dissolved	0.00191	L	0.000350	0.00200	0.00200	1	09/03/2015 01:34	WG812713
Selenium,Dissolved	0.000707	L	0.000380	0.00200	0.00200	1	09/03/2015 01:34	WG812713
Silver,Dissolved	U		0.000310	0.00200	0.00200	1	09/03/2015 01:34	WG812713
Uranium,Dissolved	0.00270	L	0.000330	0.0100	0.0100	1	09/03/2015 01:34	WG812713
Zinc,Dissolved	0.00291	L	0.00256	0.0250	0.0250	1	09/03/2015 01:34	WG812713

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 mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0100	1.00	1.00	1	09/01/2015 15:31	WG812229
Benzene	U		0.000331	0.00100	0.00100	1	09/01/2015 15:31	WG812229
Bromodichloromethane	U		0.000380	0.00125	0.00125	1	09/01/2015 15:31	WG812229
Bromoform	U		0.000469	0.00100	0.00100	1	09/01/2015 15:31	WG812229
Bromomethane	U		0.000866	0.00500	0.00500	1	09/01/2015 15:31	WG812229
n-Butylbenzene	U		0.000361	0.00100	0.00100	1	09/01/2015 15:31	WG812229
sec-Butylbenzene	U		0.000365	0.00100	0.00100	1	09/01/2015 15:31	WG812229
tert-Butylbenzene	U		0.000399	0.00100	0.00100	1	09/01/2015 15:31	WG812229
Carbon disulfide	U		0.000275	0.00100	0.00100	1	09/01/2015 15:31	WG812229
Carbon tetrachloride	U		0.000379	0.00100	0.00100	1	09/01/2015 15:31	WG812229
Chlorobenzene	U		0.000348	0.00100	0.00100	1	09/01/2015 15:31	WG812229
Chlorodibromomethane	U		0.000327	0.00100	0.00100	1	09/01/2015 15:31	WG812229
Chloroethane	U		0.000453	0.00500	0.00500	1	09/01/2015 15:31	WG812229
Chloroform	U		0.000324	0.00500	0.00500	1	09/01/2015 15:31	WG812229
Chloromethane	U		0.000276	0.00250	0.00250	1	09/01/2015 15:31	WG812229
1,2-Dibromoethane	U		0.000381	0.00100	0.00100	1	09/01/2015 15:31	WG812229
1,1-Dichloroethane	U		0.000259	0.00100	0.00100	1	09/01/2015 15:31	WG812229
1,2-Dichloroethane	U		0.000361	0.00100	0.00100	1	09/01/2015 15:31	WG812229
1,1-Dichloroethene	U		0.000398	0.00100	0.00100	1	09/01/2015 15:31	WG812229
cis-1,2-Dichloroethene	U		0.000260	0.00100	0.00100	1	09/01/2015 15:31	WG812229
trans-1,2-Dichloroethene	U		0.000396	0.00100	0.00100	1	09/01/2015 15:31	WG812229
1,2-Dichloropropane	U		0.000306	0.00100	0.00100	1	09/01/2015 15:31	WG812229
cis-1,3-Dichloropropene	U		0.000418	0.00100	0.00100	1	09/01/2015 15:31	WG812229
trans-1,3-Dichloropropene	U		0.000419	0.00100	0.00100	1	09/01/2015 15:31	WG812229
Ethylbenzene	U		0.000384	0.00100	0.00100	1	09/01/2015 15:31	WG812229
Hexachloro-1,3-butadiene	U		0.000256	0.00100	0.00100	1	09/01/2015 15:31	WG812229
2-Hexanone	U		0.00382	0.0100	0.0100	1	09/01/2015 15:31	WG812229
Isopropylbenzene	U		0.000326	0.00100	0.00100	1	09/01/2015 15:31	WG812229
p-Isopropyltoluene	U		0.000350	0.00100	0.00100	1	09/01/2015 15:31	WG812229
2-Butanone (MEK)	U		0.00393	0.0100	0.0100	1	09/01/2015 15:31	WG812229
Methylene Chloride	0.00134	L	0.00100	0.00500	0.00500	1	09/01/2015 15:31	WG812229
4-Methyl-2-pentanone (MIBK)	U		0.00214	0.0100	0.0100	1	09/01/2015 15:31	WG812229
Methyl tert-butyl ether	U		0.000367	0.00100	0.00100	1	09/01/2015 15:31	WG812229
Naphthalene	U		0.00100	0.00500	0.00500	1	09/01/2015 15:31	WG812229
n-Propylbenzene	U		0.000349	0.00100	0.00100	1	09/01/2015 15:31	WG812229
Styrene	U		0.000307	0.00100	0.00100	1	09/01/2015 15:31	WG812229
1,1,2,2-Tetrachloroethane	U		0.000130	0.00100	0.00100	1	09/01/2015 15:31	WG812229
Tetrachloroethene	U		0.000372	0.00100	0.00100	1	09/01/2015 15:31	WG812229
Toluene	U		0.000780	0.00500	0.00500	1	09/01/2015 15:31	WG812229

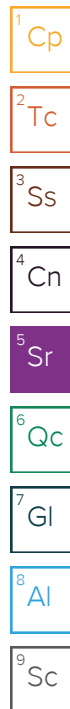


Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
1,1,1-Trichloroethane	U		0.000319	0.00100	0.00100	1	09/01/2015 15:31	WG812229
1,1,2-Trichloroethane	U		0.000383	0.00100	0.00100	1	09/01/2015 15:31	WG812229
Trichloroethene	U		0.000398	0.00100	0.00100	1	09/01/2015 15:31	WG812229
1,2,4-Trimethylbenzene	U		0.000373	0.00100	0.00100	1	09/01/2015 15:31	WG812229
1,3,5-Trimethylbenzene	U		0.000387	0.00100	0.00100	1	09/01/2015 15:31	WG812229
Vinyl chloride	U		0.000259	0.00100	0.00100	1	09/01/2015 15:31	WG812229
Xylenes, Total	U		0.00106	0.00300	0.00300	1	09/01/2015 15:31	WG812229
(S) Toluene-d8	98.7				90.0-115		09/01/2015 15:31	WG812229
(S) Dibromofluoromethane	97.3				79.0-121		09/01/2015 15:31	WG812229
(S) 4-Bromofluorobenzene	95.8				80.1-120		09/01/2015 15:31	WG812229

Semi Volatile Organic Compounds (GC/MS) by Method 8270 C

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.000316	0.00100	0.00100	1	09/01/2015 06:27	WG812320
Acenaphthylene	U		0.000309	0.00100	0.00100	1	09/01/2015 06:27	WG812320
Acetophenone	U		0.00247	0.0100	0.0100	1	09/01/2015 06:27	WG812320
Anthracene	U		0.000291	0.00100	0.00100	1	09/01/2015 06:27	WG812320
Atrazine	U		0.000260	0.0100	0.0100	1	09/01/2015 06:27	WG812320
Benzo(a)anthracene	U		0.0000510	0.00100	0.00100	1	09/01/2015 06:27	WG812320
Benzaldehyde	U		0.00140	0.0100	0.0100	1	09/01/2015 06:27	WG812320
Benzo(b)fluoranthene	U		0.0000896	0.00100	0.00100	1	09/01/2015 06:27	WG812320
Benzo(k)fluoranthene	U		0.000355	0.00100	0.00100	1	09/01/2015 06:27	WG812320
Benzo(g,h,i)perylene	U		0.00000227	0.00100	0.00100	1	09/01/2015 06:27	WG812320
Benzo(a)pyrene	U		0.0000381	0.000200	0.000200	1	09/01/2015 06:27	WG812320
Biphenyl	U		0.000325	0.0100	0.0100	1	09/01/2015 06:27	WG812320
Bis(2-chlorethoxy)methane	U		0.000329	0.0100	0.0100	1	09/01/2015 06:27	WG812320
Bis(2-chloroethyl)ether	U		0.00162	0.0100	0.0100	1	09/01/2015 06:27	WG812320
Bis(2-chloroisopropyl)ether	U		0.000445	0.0100	0.0100	1	09/01/2015 06:27	WG812320
4-Bromophenyl-phenylether	U		0.000335	0.0100	0.0100	1	09/01/2015 06:27	WG812320
2-Chloronaphthalene	U		0.000330	0.00100	0.00100	1	09/01/2015 06:27	WG812320
4-Chlorophenyl-phenylether	U		0.000303	0.0100	0.0100	1	09/01/2015 06:27	WG812320
Caprolactam	U		0.00259	0.0100	0.0100	1	09/01/2015 06:27	WG812320
Carbazole	U		0.000260	0.0100	0.0100	1	09/01/2015 06:27	WG812320
Chrysene	U		0.000332	0.00100	0.00100	1	09/01/2015 06:27	WG812320
Dibenz(a,h)anthracene	U		0.0000644	0.000200	0.000200	1	09/01/2015 06:27	WG812320
Dibenzofuran	U		0.000338	0.0100	0.0100	1	09/01/2015 06:27	WG812320
3,3-Dichlorobenzidine	U		0.00202	0.0100	0.0100	1	09/01/2015 06:27	WG812320
2,4-Dinitrotoluene	U		0.00165	0.0100	0.0100	1	09/01/2015 06:27	WG812320
2,6-Dinitrotoluene	U		0.000279	0.0100	0.0100	1	09/01/2015 06:27	WG812320
Fluoranthene	U		0.000310	0.00100	0.00100	1	09/01/2015 06:27	WG812320
Fluorene	U		0.000323	0.00100	0.00100	1	09/01/2015 06:27	WG812320
Hexachlorobenzene	U		0.000341	0.00100	0.00100	1	09/01/2015 06:27	WG812320
Hexachloro-1,3-butadiene	U		0.000329	0.0100	0.0100	1	09/01/2015 06:27	WG812320
Hexachlorocyclopentadiene	U		0.00233	0.0100	0.0100	1	09/01/2015 06:27	WG812320
Hexachloroethane	U		0.000365	0.0100	0.0100	1	09/01/2015 06:27	WG812320
Indeno(1,2,3-cd)pyrene	U		0.000279	0.00100	0.00100	1	09/01/2015 06:27	WG812320
Isophorone	U		0.000272	0.0100	0.0100	1	09/01/2015 06:27	WG812320
1-Methylnaphthalene	U		0.000332	0.00100	0.00100	1	09/01/2015 06:27	WG812320
2-Methylnaphthalene	U		0.000311	0.00100	0.00100	1	09/01/2015 06:27	WG812320
Naphthalene	U		0.000372	0.00100	0.00100	1	09/01/2015 06:27	WG812320
Nitrobenzene	U		0.000367	0.0100	0.0100	1	09/01/2015 06:27	WG812320
n-Nitrosodiphenylamine	U		0.000304	0.0100	0.0100	1	09/01/2015 06:27	WG812320
n-Nitrosodi-n-propylamine	U		0.000403	0.0100	0.0100	1	09/01/2015 06:27	WG812320
Phenanthrene	U		0.000366	0.00100	0.00100	1	09/01/2015 06:27	WG812320
Benzylbutyl phthalate	U		0.000275	0.00300	0.00300	1	09/01/2015 06:27	WG812320





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

L785444

Semi Volatile Organic Compounds (GC/MS) by Method 8270 C

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Bis(2-ethylhexyl)phthalate	U		0.000709	0.00300	0.00300	1	09/01/2015 06:27	WG812320
Di-n-butyl phthalate	0.000665	J	0.000266	0.00300	0.00300	1	09/01/2015 06:27	WG812320
Diethyl phthalate	U		0.000282	0.00300	0.00300	1	09/01/2015 06:27	WG812320
Dimethyl phthalate	U		0.000283	0.00300	0.00300	1	09/01/2015 06:27	WG812320
Di-n-octyl phthalate	0.000422	J	0.000278	0.00300	0.00300	1	09/01/2015 06:27	WG812320
Pyrene	U		0.000330	0.00100	0.00100	1	09/01/2015 06:27	WG812320
1,2,4-Trichlorobenzene	U		0.000355	0.0100	0.0100	1	09/01/2015 06:27	WG812320
4-Chloro-3-methylphenol	U		0.000263	0.0100	0.0100	1	09/01/2015 06:27	WG812320
2-Chlorophenol	U		0.000283	0.0100	0.0100	1	09/01/2015 06:27	WG812320
2,4-Dichlorophenol	U		0.000284	0.0100	0.0100	1	09/01/2015 06:27	WG812320
2,4-Dimethylphenol	U		0.000624	0.0100	0.0100	1	09/01/2015 06:27	WG812320
4,6-Dinitro-2-methylphenol	U		0.00262	0.0100	0.0100	1	09/01/2015 06:27	WG812320
2,4-Dinitrophenol	U	J3	0.00325	0.0100	0.0100	1	09/01/2015 06:27	WG812320
2-Nitrophenol	U		0.000320	0.0100	0.0100	1	09/01/2015 06:27	WG812320
2-Nitroaniline	U		0.00190	0.0100	0.0100	1	09/01/2015 06:27	WG812320
2-Methylphenol	U		0.000312	0.0100	0.0100	1	09/01/2015 06:27	WG812320
3&4-Methyl Phenol	U		0.000266	0.0100	0.0100	1	09/01/2015 06:27	WG812320
3-Nitroaniline	U		0.000308	0.0100	0.0100	1	09/01/2015 06:27	WG812320
4-Chloroaniline	U		0.000382	0.0100	0.0100	1	09/01/2015 06:27	WG812320
4-Nitroaniline	U		0.000349	0.0100	0.0100	1	09/01/2015 06:27	WG812320
4-Nitrophenol	U	J3	0.00201	0.0100	0.0100	1	09/01/2015 06:27	WG812320
Pentachlorophenol	U		0.000313	0.0100	0.0100	1	09/01/2015 06:27	WG812320
Phenol	0.000362	J	0.000334	0.0100	0.0100	1	09/01/2015 06:27	WG812320
2,4,5-Trichlorophenol	U		0.000236	0.0100	0.0100	1	09/01/2015 06:27	WG812320
2,4,6-Trichlorophenol	U		0.000297	0.0100	0.0100	1	09/01/2015 06:27	WG812320
(S) 2-Fluorophenol	59.4				10.0-77.9		09/01/2015 06:27	WG812320
(S) Phenol-d5	41.5				5.00-70.1		09/01/2015 06:27	WG812320
(S) Nitrobenzene-d5	79.8				21.8-123		09/01/2015 06:27	WG812320
(S) 2-Fluorobiphenyl	79.4				29.5-131		09/01/2015 06:27	WG812320
(S) 2,4,6-Tribromophenol	79.0				11.2-130		09/01/2015 06:27	WG812320
(S) p-Terphenyl-d14	86.6				29.3-137		09/01/2015 06:27	WG812320

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	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Dissolved Solids	750		2.82	10.0	10.0	1	08/29/2015 13:53	WG812007

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Alkalinity	195		2.61	20.0	20.0	1	08/31/2015 13:25	WG812024

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Nitrate-Nitrite	2.61		0.0197	0.100	0.100	1	09/01/2015 10:22	WG812181

Wet Chemistry by Method 9040C

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	su			date / time	
pH	6.37		1	08/29/2015 11:02	WG812161

Sample Narrative:

9040C L785444-03 WG812161: 6.37 at 16.5c

Wet Chemistry by Method 9050A

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	umhos/cm			date / time	
Specific Conductance	930		1	08/29/2015 00:28	WG812174

Wet Chemistry by Method 9056

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Chloride	130		0.519	1.00	10.0	10	09/03/2015 13:55	WG812351
Fluoride	0.822		0.00990	0.100	0.100	1	09/03/2015 13:41	WG812351
Sulfate	65.7		0.0774	5.00	5.00	1	09/03/2015 13:41	WG812351

Mercury by Method 7470A

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Mercury	U		0.0000490	0.000200	0.000200	1	08/28/2015 18:27	WG811966

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Aluminum,Dissolved	U		0.0350	0.200	0.200	1	09/01/2015 09:00	WG812466
Boron,Dissolved	0.180	J	0.0126	0.200	0.200	1	09/01/2015 09:00	WG812466
Calcium,Dissolved	129		0.0463	1.00	1.00	1	09/01/2015 09:00	WG812466
Iron,Dissolved	U		0.0141	0.100	0.100	1	09/01/2015 09:00	WG812466
Magnesium,Dissolved	14.1		0.0111	1.00	1.00	1	09/01/2015 09:00	WG812466
Molybdenum,Dissolved	0.00167	J	0.00160	0.00500	0.00500	1	09/01/2015 09:00	WG812466
Potassium,Dissolved	2.21		0.102	1.00	1.00	1	09/01/2015 09:00	WG812466
Sodium,Dissolved	44.4		0.0985	1.00	1.00	1	09/01/2015 09:00	WG812466



Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Arsenic,Dissolved	0.00396		0.000250	0.00200	0.00200	1	09/03/2015 01:37	WG812713
Barium,Dissolved	0.108		0.000360	0.00500	0.00500	1	09/03/2015 01:37	WG812713
Cadmium,Dissolved	U		0.000160	0.00100	0.00100	1	09/03/2015 01:37	WG812713
Chromium,Dissolved	0.000955	U	0.000540	0.00200	0.00200	1	09/03/2015 01:37	WG812713
Copper,Dissolved	0.00109	U	0.000520	0.00500	0.00500	1	09/03/2015 01:37	WG812713
Cobalt,Dissolved	U		0.000260	0.00200	0.00200	1	09/03/2015 01:37	WG812713
Lead,Dissolved	U		0.000240	0.00200	0.00200	1	09/03/2015 01:37	WG812713
Manganese,Dissolved	U		0.000250	0.00500	0.00500	1	09/03/2015 01:37	WG812713
Nickel,Dissolved	0.000669	U	0.000350	0.00200	0.00200	1	09/03/2015 01:37	WG812713
Selenium,Dissolved	0.00141	U	0.000380	0.00200	0.00200	1	09/03/2015 01:37	WG812713
Silver,Dissolved	U		0.000310	0.00200	0.00200	1	09/03/2015 01:37	WG812713
Uranium,Dissolved	0.00254	U	0.000330	0.0100	0.0100	1	09/03/2015 01:37	WG812713
Zinc,Dissolved	0.00578	U	0.00256	0.0250	0.0250	1	09/03/2015 01:37	WG812713

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 mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0100	1.00	1.00	1	09/01/2015 15:51	WG812229
Benzene	U		0.000331	0.00100	0.00100	1	09/01/2015 15:51	WG812229
Bromodichloromethane	U		0.000380	0.00125	0.00125	1	09/01/2015 15:51	WG812229
Bromoform	U		0.000469	0.00100	0.00100	1	09/01/2015 15:51	WG812229
Bromomethane	U		0.000866	0.00500	0.00500	1	09/01/2015 15:51	WG812229
n-Butylbenzene	U		0.000361	0.00100	0.00100	1	09/01/2015 15:51	WG812229
sec-Butylbenzene	U		0.000365	0.00100	0.00100	1	09/01/2015 15:51	WG812229
tert-Butylbenzene	U		0.000399	0.00100	0.00100	1	09/01/2015 15:51	WG812229
Carbon disulfide	U		0.000275	0.00100	0.00100	1	09/01/2015 15:51	WG812229
Carbon tetrachloride	U		0.000379	0.00100	0.00100	1	09/01/2015 15:51	WG812229
Chlorobenzene	U		0.000348	0.00100	0.00100	1	09/01/2015 15:51	WG812229
Chlorodibromomethane	U		0.000327	0.00100	0.00100	1	09/01/2015 15:51	WG812229
Chloroethane	U		0.000453	0.00500	0.00500	1	09/01/2015 15:51	WG812229
Chloroform	U		0.000324	0.00500	0.00500	1	09/01/2015 15:51	WG812229
Chloromethane	U		0.000276	0.00250	0.00250	1	09/01/2015 15:51	WG812229
1,2-Dibromoethane	U		0.000381	0.00100	0.00100	1	09/01/2015 15:51	WG812229
1,1-Dichloroethane	U		0.000259	0.00100	0.00100	1	09/01/2015 15:51	WG812229
1,2-Dichloroethane	U		0.000361	0.00100	0.00100	1	09/01/2015 15:51	WG812229
1,1-Dichloroethene	U		0.000398	0.00100	0.00100	1	09/01/2015 15:51	WG812229
cis-1,2-Dichloroethene	U		0.000260	0.00100	0.00100	1	09/01/2015 15:51	WG812229
trans-1,2-Dichloroethene	U		0.000396	0.00100	0.00100	1	09/01/2015 15:51	WG812229
1,2-Dichloropropane	U		0.000306	0.00100	0.00100	1	09/01/2015 15:51	WG812229
cis-1,3-Dichloropropene	U		0.000418	0.00100	0.00100	1	09/01/2015 15:51	WG812229
trans-1,3-Dichloropropene	U		0.000419	0.00100	0.00100	1	09/01/2015 15:51	WG812229
Ethylbenzene	U		0.000384	0.00100	0.00100	1	09/01/2015 15:51	WG812229
Hexachloro-1,3-butadiene	U		0.000256	0.00100	0.00100	1	09/01/2015 15:51	WG812229
2-Hexanone	U		0.00382	0.0100	0.0100	1	09/01/2015 15:51	WG812229
Isopropylbenzene	U		0.000326	0.00100	0.00100	1	09/01/2015 15:51	WG812229
p-Isopropyltoluene	U		0.000350	0.00100	0.00100	1	09/01/2015 15:51	WG812229
2-Butanone (MEK)	U		0.00393	0.0100	0.0100	1	09/01/2015 15:51	WG812229
Methylene Chloride	0.00135	U	0.00100	0.00500	0.00500	1	09/01/2015 15:51	WG812229
4-Methyl-2-pentanone (MIBK)	U		0.00214	0.0100	0.0100	1	09/01/2015 15:51	WG812229
Methyl tert-butyl ether	U		0.000367	0.00100	0.00100	1	09/01/2015 15:51	WG812229
Naphthalene	U		0.00100	0.00500	0.00500	1	09/01/2015 15:51	WG812229
n-Propylbenzene	U		0.000349	0.00100	0.00100	1	09/01/2015 15:51	WG812229
Styrene	U		0.000307	0.00100	0.00100	1	09/01/2015 15:51	WG812229
1,1,2,2-Tetrachloroethane	U		0.000130	0.00100	0.00100	1	09/01/2015 15:51	WG812229
Tetrachloroethene	U		0.000372	0.00100	0.00100	1	09/01/2015 15:51	WG812229
Toluene	U		0.000780	0.00500	0.00500	1	09/01/2015 15:51	WG812229

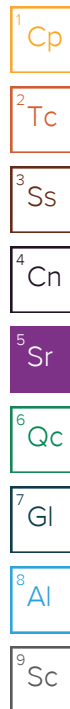


Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
1,1,1-Trichloroethane	U		0.000319	0.00100	0.00100	1	09/01/2015 15:51	WG812229
1,1,2-Trichloroethane	U		0.000383	0.00100	0.00100	1	09/01/2015 15:51	WG812229
Trichloroethene	U		0.000398	0.00100	0.00100	1	09/01/2015 15:51	WG812229
1,2,4-Trimethylbenzene	U		0.000373	0.00100	0.00100	1	09/01/2015 15:51	WG812229
1,3,5-Trimethylbenzene	U		0.000387	0.00100	0.00100	1	09/01/2015 15:51	WG812229
Vinyl chloride	U		0.000259	0.00100	0.00100	1	09/01/2015 15:51	WG812229
Xylenes, Total	U		0.00106	0.00300	0.00300	1	09/01/2015 15:51	WG812229
(S) Toluene-d8	98.9				90.0-115		09/01/2015 15:51	WG812229
(S) Dibromofluoromethane	99.3				79.0-121		09/01/2015 15:51	WG812229
(S) 4-Bromofluorobenzene	93.9				80.1-120		09/01/2015 15:51	WG812229

Semi Volatile Organic Compounds (GC/MS) by Method 8270 C

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.000316	0.00100	0.00100	1	09/01/2015 06:50	WG812320
Acenaphthylene	U		0.000309	0.00100	0.00100	1	09/01/2015 06:50	WG812320
Acetophenone	U		0.00247	0.0100	0.0100	1	09/01/2015 06:50	WG812320
Anthracene	U		0.000291	0.00100	0.00100	1	09/01/2015 06:50	WG812320
Atrazine	U		0.000260	0.0100	0.0100	1	09/01/2015 06:50	WG812320
Benzo(a)anthracene	U		0.0000510	0.00100	0.00100	1	09/01/2015 06:50	WG812320
Benzaldehyde	U		0.00140	0.0100	0.0100	1	09/01/2015 06:50	WG812320
Benzo(b)fluoranthene	U		0.0000896	0.00100	0.00100	1	09/01/2015 06:50	WG812320
Benzo(k)fluoranthene	U		0.000355	0.00100	0.00100	1	09/01/2015 06:50	WG812320
Benzo(g,h,i)perylene	U		0.00000227	0.00100	0.00100	1	09/01/2015 06:50	WG812320
Benzo(a)pyrene	U		0.0000381	0.000200	0.000200	1	09/01/2015 06:50	WG812320
Biphenyl	U		0.000325	0.0100	0.0100	1	09/01/2015 06:50	WG812320
Bis(2-chlorethoxy)methane	U		0.000329	0.0100	0.0100	1	09/01/2015 06:50	WG812320
Bis(2-chloroethyl)ether	U		0.00162	0.0100	0.0100	1	09/01/2015 06:50	WG812320
Bis(2-chloroisopropyl)ether	U		0.000445	0.0100	0.0100	1	09/01/2015 06:50	WG812320
4-Bromophenyl-phenylether	U		0.000335	0.0100	0.0100	1	09/01/2015 06:50	WG812320
2-Chloronaphthalene	U		0.000330	0.00100	0.00100	1	09/01/2015 06:50	WG812320
4-Chlorophenyl-phenylether	U		0.000303	0.0100	0.0100	1	09/01/2015 06:50	WG812320
Caprolactam	U		0.00259	0.0100	0.0100	1	09/01/2015 06:50	WG812320
Carbazole	U		0.000260	0.0100	0.0100	1	09/01/2015 06:50	WG812320
Chrysene	U		0.000332	0.00100	0.00100	1	09/01/2015 06:50	WG812320
Dibenz(a,h)anthracene	U		0.0000644	0.000200	0.000200	1	09/01/2015 06:50	WG812320
Dibenzofuran	U		0.000338	0.0100	0.0100	1	09/01/2015 06:50	WG812320
3,3-Dichlorobenzidine	U		0.00202	0.0100	0.0100	1	09/01/2015 06:50	WG812320
2,4-Dinitrotoluene	U		0.00165	0.0100	0.0100	1	09/01/2015 06:50	WG812320
2,6-Dinitrotoluene	U		0.000279	0.0100	0.0100	1	09/01/2015 06:50	WG812320
Fluoranthene	U		0.000310	0.00100	0.00100	1	09/01/2015 06:50	WG812320
Fluorene	U		0.000323	0.00100	0.00100	1	09/01/2015 06:50	WG812320
Hexachlorobenzene	U		0.000341	0.00100	0.00100	1	09/01/2015 06:50	WG812320
Hexachloro-1,3-butadiene	U		0.000329	0.0100	0.0100	1	09/01/2015 06:50	WG812320
Hexachlorocyclopentadiene	U		0.00233	0.0100	0.0100	1	09/01/2015 06:50	WG812320
Hexachloroethane	U		0.000365	0.0100	0.0100	1	09/01/2015 06:50	WG812320
Indeno(1,2,3-cd)pyrene	U		0.000279	0.00100	0.00100	1	09/01/2015 06:50	WG812320
Isophorone	U		0.000272	0.0100	0.0100	1	09/01/2015 06:50	WG812320
1-Methylnaphthalene	U		0.000332	0.00100	0.00100	1	09/01/2015 06:50	WG812320
2-Methylnaphthalene	U		0.000311	0.00100	0.00100	1	09/01/2015 06:50	WG812320
Naphthalene	U		0.000372	0.00100	0.00100	1	09/01/2015 06:50	WG812320
Nitrobenzene	U		0.000367	0.0100	0.0100	1	09/01/2015 06:50	WG812320
n-Nitrosodiphenylamine	U		0.000304	0.0100	0.0100	1	09/01/2015 06:50	WG812320
n-Nitrosodi-n-propylamine	U		0.000403	0.0100	0.0100	1	09/01/2015 06:50	WG812320
Phenanthrene	U		0.000366	0.00100	0.00100	1	09/01/2015 06:50	WG812320
Benzylbutyl phthalate	U		0.000275	0.00300	0.00300	1	09/01/2015 06:50	WG812320





Collected date/time: 08/25/15 09:48

L785444

Semi Volatile Organic Compounds (GC/MS) by Method 8270 C

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Bis(2-ethylhexyl)phthalate	U		0.000709	0.00300	0.00300	1	09/01/2015 06:50	WG812320
Di-n-butyl phthalate	U		0.000266	0.00300	0.00300	1	09/01/2015 06:50	WG812320
Diethyl phthalate	U		0.000282	0.00300	0.00300	1	09/01/2015 06:50	WG812320
Dimethyl phthalate	U		0.000283	0.00300	0.00300	1	09/01/2015 06:50	WG812320
Di-n-octyl phthalate	0.000432	J	0.000278	0.00300	0.00300	1	09/01/2015 06:50	WG812320
Pyrene	U		0.000330	0.00100	0.00100	1	09/01/2015 06:50	WG812320
1,2,4-Trichlorobenzene	U		0.000355	0.0100	0.0100	1	09/01/2015 06:50	WG812320
4-Chloro-3-methylphenol	U		0.000263	0.0100	0.0100	1	09/01/2015 06:50	WG812320
2-Chlorophenol	U		0.000283	0.0100	0.0100	1	09/01/2015 06:50	WG812320
2,4-Dichlorophenol	U		0.000284	0.0100	0.0100	1	09/01/2015 06:50	WG812320
2,4-Dimethylphenol	U		0.000624	0.0100	0.0100	1	09/01/2015 06:50	WG812320
4,6-Dinitro-2-methylphenol	U		0.00262	0.0100	0.0100	1	09/01/2015 06:50	WG812320
2,4-Dinitrophenol	U	J3	0.00325	0.0100	0.0100	1	09/01/2015 06:50	WG812320
2-Nitrophenol	U		0.000320	0.0100	0.0100	1	09/01/2015 06:50	WG812320
2-Nitroaniline	U		0.00190	0.0100	0.0100	1	09/01/2015 06:50	WG812320
2-Methylphenol	U		0.000312	0.0100	0.0100	1	09/01/2015 06:50	WG812320
3&4-Methyl Phenol	U		0.000266	0.0100	0.0100	1	09/01/2015 06:50	WG812320
3-Nitroaniline	U		0.000308	0.0100	0.0100	1	09/01/2015 06:50	WG812320
4-Chloroaniline	U		0.000382	0.0100	0.0100	1	09/01/2015 06:50	WG812320
4-Nitroaniline	U		0.000349	0.0100	0.0100	1	09/01/2015 06:50	WG812320
4-Nitrophenol	U	J3	0.00201	0.0100	0.0100	1	09/01/2015 06:50	WG812320
Pentachlorophenol	U		0.000313	0.0100	0.0100	1	09/01/2015 06:50	WG812320
Phenol	0.000508	J	0.000334	0.0100	0.0100	1	09/01/2015 06:50	WG812320
2,4,5-Trichlorophenol	U		0.000236	0.0100	0.0100	1	09/01/2015 06:50	WG812320
2,4,6-Trichlorophenol	U		0.000297	0.0100	0.0100	1	09/01/2015 06:50	WG812320
(S) 2-Fluorophenol	53.4				10.0-77.9		09/01/2015 06:50	WG812320
(S) Phenol-d5	37.4				5.00-70.1		09/01/2015 06:50	WG812320
(S) Nitrobenzene-d5	66.6				21.8-123		09/01/2015 06:50	WG812320
(S) 2-Fluorobiphenyl	74.1				29.5-131		09/01/2015 06:50	WG812320
(S) 2,4,6-Tribromophenol	75.7				11.2-130		09/01/2015 06:50	WG812320
(S) p-Terphenyl-d14	84.4				29.3-137		09/01/2015 06:50	WG812320

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	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Dissolved Solids	1430		2.82	10.0	10.0	1	08/29/2015 13:42	WG812009

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Alkalinity	490		13.0	20.0	100	5	08/31/2015 13:25	WG812024

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Nitrate-Nitrite	3.06		0.0197	0.100	0.100	1	09/01/2015 10:23	WG812181

Wet Chemistry by Method 9040C

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	su			date / time	
pH	6.53		1	08/29/2015 11:02	WG812161

Sample Narrative:

9040C L785444-04 WG812161: 6.53 at 18.1c

Wet Chemistry by Method 9050A

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	umhos/cm			date / time	
Specific Conductance	1570		1	08/29/2015 00:28	WG812174

Wet Chemistry by Method 9056

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Chloride	197		0.519	1.00	10.0	10	09/03/2015 14:53	WG812351
Fluoride	0.341		0.00990	0.100	0.100	1	09/03/2015 14:38	WG812351
Sulfate	77.0		0.0774	5.00	5.00	1	09/03/2015 14:38	WG812351

Mercury by Method 7470A

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Mercury	U		0.0000490	0.000200	0.000200	1	08/28/2015 18:30	WG811966

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Aluminum,Dissolved	U		0.0350	0.200	0.200	1	09/01/2015 09:02	WG812466
Boron,Dissolved	0.369		0.0126	0.200	0.200	1	09/01/2015 09:02	WG812466
Calcium,Dissolved	261		0.0463	1.00	1.00	1	09/01/2015 09:02	WG812466
Iron,Dissolved	U		0.0141	0.100	0.100	1	09/01/2015 09:02	WG812466
Magnesium,Dissolved	23.7		0.0111	1.00	1.00	1	09/01/2015 09:02	WG812466
Molybdenum,Dissolved	U		0.00160	0.00500	0.00500	1	09/01/2015 09:02	WG812466
Potassium,Dissolved	3.17		0.102	1.00	1.00	1	09/01/2015 09:02	WG812466
Sodium,Dissolved	63.5		0.0985	1.00	1.00	1	09/01/2015 09:02	WG812466



Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Arsenic,Dissolved	0.00221		0.000250	0.00200	0.00200	1	09/03/2015 01:39	WG812713
Barium,Dissolved	0.224		0.000360	0.00500	0.00500	1	09/03/2015 01:39	WG812713
Cadmium,Dissolved	U		0.000160	0.00100	0.00100	1	09/03/2015 01:39	WG812713
Chromium,Dissolved	0.000810	U	0.000540	0.00200	0.00200	1	09/03/2015 01:39	WG812713
Copper,Dissolved	0.000702	U	0.000520	0.00500	0.00500	1	09/03/2015 01:39	WG812713
Cobalt,Dissolved	U		0.000260	0.00200	0.00200	1	09/03/2015 01:39	WG812713
Lead,Dissolved	0.000854	U	0.000240	0.00200	0.00200	1	09/03/2015 01:39	WG812713
Manganese,Dissolved	0.0110		0.000250	0.00500	0.00500	1	09/03/2015 01:39	WG812713
Nickel,Dissolved	0.00180	U	0.000350	0.00200	0.00200	1	09/03/2015 01:39	WG812713
Selenium,Dissolved	0.000525	U	0.000380	0.00200	0.00200	1	09/03/2015 01:39	WG812713
Silver,Dissolved	U		0.000310	0.00200	0.00200	1	09/03/2015 01:39	WG812713
Uranium,Dissolved	0.00837	U	0.000330	0.0100	0.0100	1	09/03/2015 01:39	WG812713
Zinc,Dissolved	0.00615	U	0.00256	0.0250	0.0250	1	09/03/2015 01:39	WG812713

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

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0100	1.00	1.00	1	09/01/2015 16:11	WG812229
Benzene	U		0.000331	0.00100	0.00100	1	09/01/2015 16:11	WG812229
Bromodichloromethane	U		0.000380	0.00125	0.00125	1	09/01/2015 16:11	WG812229
Bromoform	U		0.000469	0.00100	0.00100	1	09/01/2015 16:11	WG812229
Bromomethane	U		0.000866	0.00500	0.00500	1	09/01/2015 16:11	WG812229
n-Butylbenzene	U		0.000361	0.00100	0.00100	1	09/01/2015 16:11	WG812229
sec-Butylbenzene	U		0.000365	0.00100	0.00100	1	09/01/2015 16:11	WG812229
tert-Butylbenzene	U		0.000399	0.00100	0.00100	1	09/01/2015 16:11	WG812229
Carbon disulfide	U		0.000275	0.00100	0.00100	1	09/01/2015 16:11	WG812229
Carbon tetrachloride	U		0.000379	0.00100	0.00100	1	09/01/2015 16:11	WG812229
Chlorobenzene	U		0.000348	0.00100	0.00100	1	09/01/2015 16:11	WG812229
Chlorodibromomethane	U		0.000327	0.00100	0.00100	1	09/01/2015 16:11	WG812229
Chloroethane	U		0.000453	0.00500	0.00500	1	09/01/2015 16:11	WG812229
Chloroform	U		0.000324	0.00500	0.00500	1	09/01/2015 16:11	WG812229
Chloromethane	U		0.000276	0.00250	0.00250	1	09/01/2015 16:11	WG812229
1,2-Dibromoethane	U		0.000381	0.00100	0.00100	1	09/01/2015 16:11	WG812229
1,1-Dichloroethane	U		0.000259	0.00100	0.00100	1	09/01/2015 16:11	WG812229
1,2-Dichloroethane	U		0.000361	0.00100	0.00100	1	09/01/2015 16:11	WG812229
1,1-Dichloroethene	U		0.000398	0.00100	0.00100	1	09/01/2015 16:11	WG812229
cis-1,2-Dichloroethene	U		0.000260	0.00100	0.00100	1	09/01/2015 16:11	WG812229
trans-1,2-Dichloroethene	U		0.000396	0.00100	0.00100	1	09/01/2015 16:11	WG812229
1,2-Dichloropropane	U		0.000306	0.00100	0.00100	1	09/01/2015 16:11	WG812229
cis-1,3-Dichloropropene	U		0.000418	0.00100	0.00100	1	09/01/2015 16:11	WG812229
trans-1,3-Dichloropropene	U		0.000419	0.00100	0.00100	1	09/01/2015 16:11	WG812229
Ethylbenzene	U		0.000384	0.00100	0.00100	1	09/01/2015 16:11	WG812229
Hexachloro-1,3-butadiene	U		0.000256	0.00100	0.00100	1	09/01/2015 16:11	WG812229
2-Hexanone	U		0.00382	0.0100	0.0100	1	09/01/2015 16:11	WG812229
Isopropylbenzene	U		0.000326	0.00100	0.00100	1	09/01/2015 16:11	WG812229
p-Isopropyltoluene	U		0.000350	0.00100	0.00100	1	09/01/2015 16:11	WG812229
2-Butanone (MEK)	U		0.00393	0.0100	0.0100	1	09/01/2015 16:11	WG812229
Methylene Chloride	0.00136	U	0.00100	0.00500	0.00500	1	09/01/2015 16:11	WG812229
4-Methyl-2-pentanone (MIBK)	U		0.00214	0.0100	0.0100	1	09/01/2015 16:11	WG812229
Methyl tert-butyl ether	U		0.000367	0.00100	0.00100	1	09/01/2015 16:11	WG812229
Naphthalene	U		0.00100	0.00500	0.00500	1	09/01/2015 16:11	WG812229
n-Propylbenzene	U		0.000349	0.00100	0.00100	1	09/01/2015 16:11	WG812229
Styrene	U		0.000307	0.00100	0.00100	1	09/01/2015 16:11	WG812229
1,1,2,2-Tetrachloroethane	U		0.000130	0.00100	0.00100	1	09/01/2015 16:11	WG812229
Tetrachloroethene	U		0.000372	0.00100	0.00100	1	09/01/2015 16:11	WG812229
Toluene	U		0.000780	0.00500	0.00500	1	09/01/2015 16:11	WG812229

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

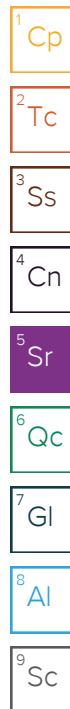


Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
1,1,1-Trichloroethane	U		0.000319	0.00100	0.00100	1	09/01/2015 16:11	WG812229
1,1,2-Trichloroethane	U		0.000383	0.00100	0.00100	1	09/01/2015 16:11	WG812229
Trichloroethene	U		0.000398	0.00100	0.00100	1	09/01/2015 16:11	WG812229
1,2,4-Trimethylbenzene	U		0.000373	0.00100	0.00100	1	09/01/2015 16:11	WG812229
1,3,5-Trimethylbenzene	U		0.000387	0.00100	0.00100	1	09/01/2015 16:11	WG812229
Vinyl chloride	U		0.000259	0.00100	0.00100	1	09/01/2015 16:11	WG812229
Xylenes, Total	U		0.00106	0.00300	0.00300	1	09/01/2015 16:11	WG812229
(S) Toluene-d8	99.1				90.0-115		09/01/2015 16:11	WG812229
(S) Dibromofluoromethane	99.4				79.0-121		09/01/2015 16:11	WG812229
(S) 4-Bromofluorobenzene	95.2				80.1-120		09/01/2015 16:11	WG812229

Semi Volatile Organic Compounds (GC/MS) by Method 8270 C

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.000316	0.00100	0.00100	1	09/01/2015 07:13	WG812320
Acenaphthylene	U		0.000309	0.00100	0.00100	1	09/01/2015 07:13	WG812320
Acetophenone	U		0.00247	0.0100	0.0100	1	09/01/2015 07:13	WG812320
Anthracene	U		0.000291	0.00100	0.00100	1	09/01/2015 07:13	WG812320
Atrazine	U		0.000260	0.0100	0.0100	1	09/01/2015 07:13	WG812320
Benzo(a)anthracene	U		0.0000510	0.00100	0.00100	1	09/01/2015 07:13	WG812320
Benzaldehyde	U		0.00140	0.0100	0.0100	1	09/01/2015 07:13	WG812320
Benzo(b)fluoranthene	U		0.0000896	0.00100	0.00100	1	09/01/2015 07:13	WG812320
Benzo(k)fluoranthene	U		0.000355	0.00100	0.00100	1	09/01/2015 07:13	WG812320
Benzo(g,h,i)perylene	U		0.00000227	0.00100	0.00100	1	09/01/2015 07:13	WG812320
Benzo(a)pyrene	U		0.0000381	0.000200	0.000200	1	09/01/2015 07:13	WG812320
Biphenyl	U		0.000325	0.0100	0.0100	1	09/01/2015 07:13	WG812320
Bis(2-chlorethoxy)methane	U		0.000329	0.0100	0.0100	1	09/01/2015 07:13	WG812320
Bis(2-chloroethyl)ether	U		0.00162	0.0100	0.0100	1	09/01/2015 07:13	WG812320
Bis(2-chloroisopropyl)ether	U		0.000445	0.0100	0.0100	1	09/01/2015 07:13	WG812320
4-Bromophenyl-phenylether	U		0.000335	0.0100	0.0100	1	09/01/2015 07:13	WG812320
2-Chloronaphthalene	U		0.000330	0.00100	0.00100	1	09/01/2015 07:13	WG812320
4-Chlorophenyl-phenylether	U		0.000303	0.0100	0.0100	1	09/01/2015 07:13	WG812320
Caprolactam	U		0.00259	0.0100	0.0100	1	09/01/2015 07:13	WG812320
Carbazole	U		0.000260	0.0100	0.0100	1	09/01/2015 07:13	WG812320
Chrysene	U		0.000332	0.00100	0.00100	1	09/01/2015 07:13	WG812320
Dibenz(a,h)anthracene	U		0.0000644	0.000200	0.000200	1	09/01/2015 07:13	WG812320
Dibenzofuran	U		0.000338	0.0100	0.0100	1	09/01/2015 07:13	WG812320
3,3-Dichlorobenzidine	U		0.00202	0.0100	0.0100	1	09/01/2015 07:13	WG812320
2,4-Dinitrotoluene	U		0.00165	0.0100	0.0100	1	09/01/2015 07:13	WG812320
2,6-Dinitrotoluene	U		0.000279	0.0100	0.0100	1	09/01/2015 07:13	WG812320
Fluoranthene	U		0.000310	0.00100	0.00100	1	09/01/2015 07:13	WG812320
Fluorene	U		0.000323	0.00100	0.00100	1	09/01/2015 07:13	WG812320
Hexachlorobenzene	U		0.000341	0.00100	0.00100	1	09/01/2015 07:13	WG812320
Hexachloro-1,3-butadiene	U		0.000329	0.0100	0.0100	1	09/01/2015 07:13	WG812320
Hexachlorocyclopentadiene	U		0.00233	0.0100	0.0100	1	09/01/2015 07:13	WG812320
Hexachloroethane	U		0.000365	0.0100	0.0100	1	09/01/2015 07:13	WG812320
Indeno(1,2,3-cd)pyrene	U		0.000279	0.00100	0.00100	1	09/01/2015 07:13	WG812320
Isophorone	U		0.000272	0.0100	0.0100	1	09/01/2015 07:13	WG812320
1-Methylnaphthalene	U		0.000332	0.00100	0.00100	1	09/01/2015 07:13	WG812320
2-Methylnaphthalene	U		0.000311	0.00100	0.00100	1	09/01/2015 07:13	WG812320
Naphthalene	U		0.000372	0.00100	0.00100	1	09/01/2015 07:13	WG812320
Nitrobenzene	U		0.000367	0.0100	0.0100	1	09/01/2015 07:13	WG812320
n-Nitrosodiphenylamine	U		0.000304	0.0100	0.0100	1	09/01/2015 07:13	WG812320
n-Nitrosodi-n-propylamine	U		0.000403	0.0100	0.0100	1	09/01/2015 07:13	WG812320
Phenanthrene	U		0.000366	0.00100	0.00100	1	09/01/2015 07:13	WG812320
Benzylbutyl phthalate	U		0.000275	0.00300	0.00300	1	09/01/2015 07:13	WG812320





Semi Volatile Organic Compounds (GC/MS) by Method 8270 C

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Bis(2-ethylhexyl)phthalate	U		0.000709	0.00300	0.00300	1	09/01/2015 07:13	WG812320
Di-n-butyl phthalate	0.000638	J	0.000266	0.00300	0.00300	1	09/01/2015 07:13	WG812320
Diethyl phthalate	U		0.000282	0.00300	0.00300	1	09/01/2015 07:13	WG812320
Dimethyl phthalate	U		0.000283	0.00300	0.00300	1	09/01/2015 07:13	WG812320
Di-n-octyl phthalate	0.000490	J	0.000278	0.00300	0.00300	1	09/01/2015 07:13	WG812320
Pyrene	U		0.000330	0.00100	0.00100	1	09/01/2015 07:13	WG812320
1,2,4-Trichlorobenzene	U		0.000355	0.0100	0.0100	1	09/01/2015 07:13	WG812320
4-Chloro-3-methylphenol	U		0.000263	0.0100	0.0100	1	09/01/2015 07:13	WG812320
2-Chlorophenol	U		0.000283	0.0100	0.0100	1	09/01/2015 07:13	WG812320
2,4-Dichlorophenol	U		0.000284	0.0100	0.0100	1	09/01/2015 07:13	WG812320
2,4-Dimethylphenol	U		0.000624	0.0100	0.0100	1	09/01/2015 07:13	WG812320
4,6-Dinitro-2-methylphenol	U		0.00262	0.0100	0.0100	1	09/01/2015 07:13	WG812320
2,4-Dinitrophenol	U	J3	0.00325	0.0100	0.0100	1	09/01/2015 07:13	WG812320
2-Nitrophenol	U		0.000320	0.0100	0.0100	1	09/01/2015 07:13	WG812320
2-Nitroaniline	U		0.00190	0.0100	0.0100	1	09/01/2015 07:13	WG812320
2-Methylphenol	U		0.000312	0.0100	0.0100	1	09/01/2015 07:13	WG812320
3&4-Methyl Phenol	U		0.000266	0.0100	0.0100	1	09/01/2015 07:13	WG812320
3-Nitroaniline	U		0.000308	0.0100	0.0100	1	09/01/2015 07:13	WG812320
4-Chloroaniline	U		0.000382	0.0100	0.0100	1	09/01/2015 07:13	WG812320
4-Nitroaniline	U		0.000349	0.0100	0.0100	1	09/01/2015 07:13	WG812320
4-Nitrophenol	U	J3	0.00201	0.0100	0.0100	1	09/01/2015 07:13	WG812320
Pentachlorophenol	U		0.000313	0.0100	0.0100	1	09/01/2015 07:13	WG812320
Phenol	0.000497	J	0.000334	0.0100	0.0100	1	09/01/2015 07:13	WG812320
2,4,5-Trichlorophenol	U		0.000236	0.0100	0.0100	1	09/01/2015 07:13	WG812320
2,4,6-Trichlorophenol	U		0.000297	0.0100	0.0100	1	09/01/2015 07:13	WG812320
(S) 2-Fluorophenol	52.9				10.0-77.9		09/01/2015 07:13	WG812320
(S) Phenol-d5	40.3				5.00-70.1		09/01/2015 07:13	WG812320
(S) Nitrobenzene-d5	77.4				21.8-123		09/01/2015 07:13	WG812320
(S) 2-Fluorobiphenyl	74.1				29.5-131		09/01/2015 07:13	WG812320
(S) 2,4,6-Tribromophenol	75.9				11.2-130		09/01/2015 07:13	WG812320
(S) p-Terphenyl-d14	83.7				29.3-137		09/01/2015 07:13	WG812320

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	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Dissolved Solids	928		2.82	10.0	10.0	1	08/29/2015 13:42	WG812009

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Alkalinity	419		13.0	20.0	100	5	08/31/2015 13:25	WG812024

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Nitrate-Nitrite	4.85		0.0197	0.100	0.100	1	09/01/2015 10:24	WG812181

Wet Chemistry by Method 9040C

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	su			date / time	
pH	6.66		1	08/29/2015 11:02	WG812161

Sample Narrative:

9040C L785444-05 WG812161: 6.66 at 18.4c

Wet Chemistry by Method 9050A

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	umhos/cm			date / time	
Specific Conductance	1300		1	08/29/2015 00:28	WG812174

Wet Chemistry by Method 9056

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Chloride	118		0.519	1.00	10.0	10	09/03/2015 15:22	WG812351
Fluoride	0.618		0.00990	0.100	0.100	1	09/03/2015 15:07	WG812351
Sulfate	81.1		0.0774	5.00	5.00	1	09/03/2015 15:07	WG812351

Mercury by Method 7470A

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Mercury	U		0.0000490	0.000200	0.000200	1	08/28/2015 18:33	WG811966

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Aluminum,Dissolved	0.0452	J	0.0350	0.200	0.200	1	09/01/2015 09:05	WG812466
Boron,Dissolved	0.208		0.0126	0.200	0.200	1	09/01/2015 09:05	WG812466
Calcium,Dissolved	183		0.0463	1.00	1.00	1	09/01/2015 09:05	WG812466
Iron,Dissolved	U		0.0141	0.100	0.100	1	09/01/2015 09:05	WG812466
Magnesium,Dissolved	19.7		0.0111	1.00	1.00	1	09/01/2015 09:05	WG812466
Molybdenum,Dissolved	U		0.00160	0.00500	0.00500	1	09/01/2015 09:05	WG812466
Potassium,Dissolved	3.29		0.102	1.00	1.00	1	09/01/2015 09:05	WG812466
Sodium,Dissolved	71.4		0.0985	1.00	1.00	1	09/01/2015 09:05	WG812466

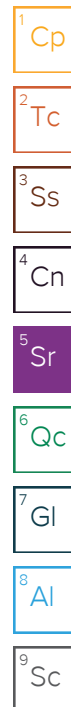


Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Arsenic,Dissolved	0.00279		0.000250	0.00200	0.00200	1	09/03/2015 01:41	WG812713
Barium,Dissolved	0.167		0.000360	0.00500	0.00500	1	09/03/2015 01:41	WG812713
Cadmium,Dissolved	U		0.000160	0.00100	0.00100	1	09/03/2015 01:41	WG812713
Chromium,Dissolved	0.00139	U	0.000540	0.00200	0.00200	1	09/03/2015 01:41	WG812713
Copper,Dissolved	0.000760	U	0.000520	0.00500	0.00500	1	09/03/2015 01:41	WG812713
Cobalt,Dissolved	0.000337	U	0.000260	0.00200	0.00200	1	09/03/2015 01:41	WG812713
Lead,Dissolved	U		0.000240	0.00200	0.00200	1	09/03/2015 01:41	WG812713
Manganese,Dissolved	0.00253	U	0.000250	0.00500	0.00500	1	09/03/2015 01:41	WG812713
Nickel,Dissolved	0.00240		0.000350	0.00200	0.00200	1	09/03/2015 01:41	WG812713
Selenium,Dissolved	U		0.000380	0.00200	0.00200	1	09/03/2015 01:41	WG812713
Silver,Dissolved	U		0.000310	0.00200	0.00200	1	09/03/2015 01:41	WG812713
Uranium,Dissolved	0.00934	U	0.000330	0.0100	0.0100	1	09/03/2015 01:41	WG812713
Zinc,Dissolved	0.00438	U	0.00256	0.0250	0.0250	1	09/03/2015 01:41	WG812713

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

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0100	1.00	1.00	1	09/01/2015 16:30	WG812229
Benzene	U		0.000331	0.00100	0.00100	1	09/01/2015 16:30	WG812229
Bromodichloromethane	U		0.000380	0.00125	0.00125	1	09/01/2015 16:30	WG812229
Bromoform	U		0.000469	0.00100	0.00100	1	09/01/2015 16:30	WG812229
Bromomethane	U		0.000866	0.00500	0.00500	1	09/01/2015 16:30	WG812229
n-Butylbenzene	U		0.000361	0.00100	0.00100	1	09/01/2015 16:30	WG812229
sec-Butylbenzene	U		0.000365	0.00100	0.00100	1	09/01/2015 16:30	WG812229
tert-Butylbenzene	U		0.000399	0.00100	0.00100	1	09/01/2015 16:30	WG812229
Carbon disulfide	U		0.000275	0.00100	0.00100	1	09/01/2015 16:30	WG812229
Carbon tetrachloride	U		0.000379	0.00100	0.00100	1	09/01/2015 16:30	WG812229
Chlorobenzene	U		0.000348	0.00100	0.00100	1	09/01/2015 16:30	WG812229
Chlorodibromomethane	U		0.000327	0.00100	0.00100	1	09/01/2015 16:30	WG812229
Chloroethane	U		0.000453	0.00500	0.00500	1	09/01/2015 16:30	WG812229
Chloroform	U		0.000324	0.00500	0.00500	1	09/01/2015 16:30	WG812229
Chloromethane	U		0.000276	0.00250	0.00250	1	09/01/2015 16:30	WG812229
1,2-Dibromoethane	U		0.000381	0.00100	0.00100	1	09/01/2015 16:30	WG812229
1,1-Dichloroethane	U		0.000259	0.00100	0.00100	1	09/01/2015 16:30	WG812229
1,2-Dichloroethane	U		0.000361	0.00100	0.00100	1	09/01/2015 16:30	WG812229
1,1-Dichloroethene	U		0.000398	0.00100	0.00100	1	09/01/2015 16:30	WG812229
cis-1,2-Dichloroethene	U		0.000260	0.00100	0.00100	1	09/01/2015 16:30	WG812229
trans-1,2-Dichloroethene	U		0.000396	0.00100	0.00100	1	09/01/2015 16:30	WG812229
1,2-Dichloropropane	U		0.000306	0.00100	0.00100	1	09/01/2015 16:30	WG812229
cis-1,3-Dichloropropene	U		0.000418	0.00100	0.00100	1	09/01/2015 16:30	WG812229
trans-1,3-Dichloropropene	U		0.000419	0.00100	0.00100	1	09/01/2015 16:30	WG812229
Ethylbenzene	U		0.000384	0.00100	0.00100	1	09/01/2015 16:30	WG812229
Hexachloro-1,3-butadiene	U		0.000256	0.00100	0.00100	1	09/01/2015 16:30	WG812229
2-Hexanone	U		0.00382	0.0100	0.0100	1	09/01/2015 16:30	WG812229
Isopropylbenzene	U		0.000326	0.00100	0.00100	1	09/01/2015 16:30	WG812229
p-Isopropyltoluene	U		0.000350	0.00100	0.00100	1	09/01/2015 16:30	WG812229
2-Butanone (MEK)	U		0.00393	0.0100	0.0100	1	09/01/2015 16:30	WG812229
Methylene Chloride	0.00130	U	0.00100	0.00500	0.00500	1	09/01/2015 16:30	WG812229
4-Methyl-2-pentanone (MIBK)	U		0.00214	0.0100	0.0100	1	09/01/2015 16:30	WG812229
Methyl tert-butyl ether	U		0.000367	0.00100	0.00100	1	09/01/2015 16:30	WG812229
Naphthalene	U		0.00100	0.00500	0.00500	1	09/01/2015 16:30	WG812229
n-Propylbenzene	U		0.000349	0.00100	0.00100	1	09/01/2015 16:30	WG812229
Styrene	U		0.000307	0.00100	0.00100	1	09/01/2015 16:30	WG812229
1,1,2,2-Tetrachloroethane	U		0.000130	0.00100	0.00100	1	09/01/2015 16:30	WG812229
Tetrachloroethene	U		0.000372	0.00100	0.00100	1	09/01/2015 16:30	WG812229
Toluene	U		0.000780	0.00500	0.00500	1	09/01/2015 16:30	WG812229





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

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
1,1,1-Trichloroethane	U		0.000319	0.00100	0.00100	1	09/01/2015 16:30	WG812229
1,1,2-Trichloroethane	U		0.000383	0.00100	0.00100	1	09/01/2015 16:30	WG812229
Trichloroethene	U		0.000398	0.00100	0.00100	1	09/01/2015 16:30	WG812229
1,2,4-Trimethylbenzene	U		0.000373	0.00100	0.00100	1	09/01/2015 16:30	WG812229
1,3,5-Trimethylbenzene	U		0.000387	0.00100	0.00100	1	09/01/2015 16:30	WG812229
Vinyl chloride	U		0.000259	0.00100	0.00100	1	09/01/2015 16:30	WG812229
Xylenes, Total	U		0.00106	0.00300	0.00300	1	09/01/2015 16:30	WG812229
(S) Toluene-d8	99.2				90.0-115		09/01/2015 16:30	WG812229
(S) Dibromofluoromethane	99.4				79.0-121		09/01/2015 16:30	WG812229
(S) 4-Bromofluorobenzene	93.9				80.1-120		09/01/2015 16:30	WG812229

Semi Volatile Organic Compounds (GC/MS) by Method 8270 C

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.000316	0.00100	0.00100	1	09/01/2015 07:36	WG812320
Acenaphthylene	U		0.000309	0.00100	0.00100	1	09/01/2015 07:36	WG812320
Acetophenone	U		0.00247	0.0100	0.0100	1	09/01/2015 07:36	WG812320
Anthracene	U		0.000291	0.00100	0.00100	1	09/01/2015 07:36	WG812320
Atrazine	U		0.000260	0.0100	0.0100	1	09/01/2015 07:36	WG812320
Benzo(a)anthracene	U		0.0000510	0.00100	0.00100	1	09/01/2015 07:36	WG812320
Benzaldehyde	U		0.00140	0.0100	0.0100	1	09/01/2015 07:36	WG812320
Benzo(b)fluoranthene	U		0.0000896	0.00100	0.00100	1	09/01/2015 07:36	WG812320
Benzo(k)fluoranthene	U		0.000355	0.00100	0.00100	1	09/01/2015 07:36	WG812320
Benzo(g,h,i)perylene	U		0.00000227	0.00100	0.00100	1	09/01/2015 07:36	WG812320
Benzo(a)pyrene	U		0.0000381	0.000200	0.000200	1	09/01/2015 07:36	WG812320
Biphenyl	U		0.000325	0.0100	0.0100	1	09/01/2015 07:36	WG812320
Bis(2-chlorethoxy)methane	U		0.000329	0.0100	0.0100	1	09/01/2015 07:36	WG812320
Bis(2-chloroethyl)ether	U		0.00162	0.0100	0.0100	1	09/01/2015 07:36	WG812320
Bis(2-chloroisopropyl)ether	U		0.000445	0.0100	0.0100	1	09/01/2015 07:36	WG812320
4-Bromophenyl-phenylether	U		0.000335	0.0100	0.0100	1	09/01/2015 07:36	WG812320
2-Chloronaphthalene	U		0.000330	0.00100	0.00100	1	09/01/2015 07:36	WG812320
4-Chlorophenyl-phenylether	U		0.000303	0.0100	0.0100	1	09/01/2015 07:36	WG812320
Caprolactam	U		0.00259	0.0100	0.0100	1	09/01/2015 07:36	WG812320
Carbazole	U		0.000260	0.0100	0.0100	1	09/01/2015 07:36	WG812320
Chrysene	U		0.000332	0.00100	0.00100	1	09/01/2015 07:36	WG812320
Dibenz(a,h)anthracene	U		0.0000644	0.000200	0.000200	1	09/01/2015 07:36	WG812320
Dibenzofuran	U		0.000338	0.0100	0.0100	1	09/01/2015 07:36	WG812320
3,3-Dichlorobenzidine	U		0.00202	0.0100	0.0100	1	09/01/2015 07:36	WG812320
2,4-Dinitrotoluene	U		0.00165	0.0100	0.0100	1	09/01/2015 07:36	WG812320
2,6-Dinitrotoluene	U		0.000279	0.0100	0.0100	1	09/01/2015 07:36	WG812320
Fluoranthene	U		0.000310	0.00100	0.00100	1	09/01/2015 07:36	WG812320
Fluorene	U		0.000323	0.00100	0.00100	1	09/01/2015 07:36	WG812320
Hexachlorobenzene	U		0.000341	0.00100	0.00100	1	09/01/2015 07:36	WG812320
Hexachloro-1,3-butadiene	U		0.000329	0.0100	0.0100	1	09/01/2015 07:36	WG812320
Hexachlorocyclopentadiene	U		0.00233	0.0100	0.0100	1	09/01/2015 07:36	WG812320
Hexachloroethane	U		0.000365	0.0100	0.0100	1	09/01/2015 07:36	WG812320
Indeno(1,2,3-cd)pyrene	U		0.000279	0.00100	0.00100	1	09/01/2015 07:36	WG812320
Isophorone	U		0.000272	0.0100	0.0100	1	09/01/2015 07:36	WG812320
1-Methylnaphthalene	U		0.000332	0.00100	0.00100	1	09/01/2015 07:36	WG812320
2-Methylnaphthalene	U		0.000311	0.00100	0.00100	1	09/01/2015 07:36	WG812320
Naphthalene	U		0.000372	0.00100	0.00100	1	09/01/2015 07:36	WG812320
Nitrobenzene	U		0.000367	0.0100	0.0100	1	09/01/2015 07:36	WG812320
n-Nitrosodiphenylamine	U		0.000304	0.0100	0.0100	1	09/01/2015 07:36	WG812320
n-Nitrosodi-n-propylamine	U		0.000403	0.0100	0.0100	1	09/01/2015 07:36	WG812320
Phenanthrene	U		0.000366	0.00100	0.00100	1	09/01/2015 07:36	WG812320
Benzylbutyl phthalate	U		0.000275	0.00300	0.00300	1	09/01/2015 07:36	WG812320

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Collected date/time: 08/25/15 12:15

L785444

Semi Volatile Organic Compounds (GC/MS) by Method 8270 C

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Bis(2-ethylhexyl)phthalate	U		0.000709	0.00300	0.00300	1	09/01/2015 07:36	WG812320
Di-n-butyl phthalate	0.000661	J	0.000266	0.00300	0.00300	1	09/01/2015 07:36	WG812320
Diethyl phthalate	U		0.000282	0.00300	0.00300	1	09/01/2015 07:36	WG812320
Dimethyl phthalate	U		0.000283	0.00300	0.00300	1	09/01/2015 07:36	WG812320
Di-n-octyl phthalate	0.000465	J	0.000278	0.00300	0.00300	1	09/01/2015 07:36	WG812320
Pyrene	U		0.000330	0.00100	0.00100	1	09/01/2015 07:36	WG812320
1,2,4-Trichlorobenzene	U		0.000355	0.0100	0.0100	1	09/01/2015 07:36	WG812320
4-Chloro-3-methylphenol	U		0.000263	0.0100	0.0100	1	09/01/2015 07:36	WG812320
2-Chlorophenol	U		0.000283	0.0100	0.0100	1	09/01/2015 07:36	WG812320
2,4-Dichlorophenol	U		0.000284	0.0100	0.0100	1	09/01/2015 07:36	WG812320
2,4-Dimethylphenol	U		0.000624	0.0100	0.0100	1	09/01/2015 07:36	WG812320
4,6-Dinitro-2-methylphenol	U		0.00262	0.0100	0.0100	1	09/01/2015 07:36	WG812320
2,4-Dinitrophenol	U	J3	0.00325	0.0100	0.0100	1	09/01/2015 07:36	WG812320
2-Nitrophenol	U		0.000320	0.0100	0.0100	1	09/01/2015 07:36	WG812320
2-Nitroaniline	U		0.00190	0.0100	0.0100	1	09/01/2015 07:36	WG812320
2-Methylphenol	U		0.000312	0.0100	0.0100	1	09/01/2015 07:36	WG812320
3&4-Methyl Phenol	U		0.000266	0.0100	0.0100	1	09/01/2015 07:36	WG812320
3-Nitroaniline	U		0.000308	0.0100	0.0100	1	09/01/2015 07:36	WG812320
4-Chloroaniline	U		0.000382	0.0100	0.0100	1	09/01/2015 07:36	WG812320
4-Nitroaniline	U		0.000349	0.0100	0.0100	1	09/01/2015 07:36	WG812320
4-Nitrophenol	U	J3	0.00201	0.0100	0.0100	1	09/01/2015 07:36	WG812320
Pentachlorophenol	U		0.000313	0.0100	0.0100	1	09/01/2015 07:36	WG812320
Phenol	U		0.000334	0.0100	0.0100	1	09/01/2015 07:36	WG812320
2,4,5-Trichlorophenol	U		0.000236	0.0100	0.0100	1	09/01/2015 07:36	WG812320
2,4,6-Trichlorophenol	U		0.000297	0.0100	0.0100	1	09/01/2015 07:36	WG812320
(S) 2-Fluorophenol	51.6				10.0-77.9		09/01/2015 07:36	WG812320
(S) Phenol-d5	41.1				5.00-70.1		09/01/2015 07:36	WG812320
(S) Nitrobenzene-d5	72.6				21.8-123		09/01/2015 07:36	WG812320
(S) 2-Fluorobiphenyl	71.4				29.5-131		09/01/2015 07:36	WG812320
(S) 2,4,6-Tribromophenol	77.3				11.2-130		09/01/2015 07:36	WG812320
(S) p-Terphenyl-d14	85.9				29.3-137		09/01/2015 07:36	WG812320

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	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Dissolved Solids	2190		2.82	10.0	10.0	1	08/29/2015 13:42	WG812009

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Alkalinity	244		2.61	20.0	20.0	1	08/31/2015 13:25	WG812024

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Nitrate-Nitrite	4.39		0.0197	0.100	0.100	1	09/01/2015 10:29	WG812181

Wet Chemistry by Method 9040C

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	su			date / time	
pH	6.61		1	08/29/2015 11:02	WG812161

Sample Narrative:

9040C L785444-06 WG812161: 6.61 at 17.6c

Wet Chemistry by Method 9050A

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	umhos/cm			date / time	
Specific Conductance	1970		1	08/29/2015 00:28	WG812174

Wet Chemistry by Method 9056

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Chloride	431		0.519	1.00	10.0	10	09/03/2015 15:50	WG812351
Fluoride	0.874		0.00990	0.100	0.100	1	09/03/2015 15:36	WG812351
Sulfate	91.9		0.0774	5.00	5.00	1	09/03/2015 15:36	WG812351

Mercury by Method 7470A

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Mercury	U		0.0000490	0.000200	0.000200	1	08/28/2015 18:35	WG811966

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Aluminum,Dissolved	U		0.0350	0.200	0.200	1	09/01/2015 09:08	WG812466
Boron,Dissolved	0.195	J	0.0126	0.200	0.200	1	09/01/2015 09:08	WG812466
Calcium,Dissolved	286		0.0463	1.00	1.00	1	09/01/2015 09:08	WG812466
Iron,Dissolved	U		0.0141	0.100	0.100	1	09/01/2015 09:08	WG812466
Magnesium,Dissolved	30.9		0.0111	1.00	1.00	1	09/01/2015 09:08	WG812466
Molybdenum,Dissolved	U		0.00160	0.00500	0.00500	1	09/01/2015 09:08	WG812466
Potassium,Dissolved	4.43		0.102	1.00	1.00	1	09/01/2015 09:08	WG812466
Sodium,Dissolved	77.4		0.0985	1.00	1.00	1	09/01/2015 09:08	WG812466

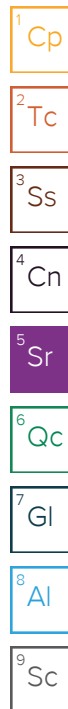


Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Arsenic,Dissolved	0.00255		0.000250	0.00200	0.00200	1	09/03/2015 01:44	WG812713
Barium,Dissolved	0.152		0.000360	0.00500	0.00500	1	09/03/2015 01:44	WG812713
Cadmium,Dissolved	U		0.000160	0.00100	0.00100	1	09/03/2015 01:44	WG812713
Chromium,Dissolved	0.00188	U	0.000540	0.00200	0.00200	1	09/03/2015 01:44	WG812713
Copper,Dissolved	0.00198	U	0.000520	0.00500	0.00500	1	09/03/2015 01:44	WG812713
Cobalt,Dissolved	U		0.000260	0.00200	0.00200	1	09/03/2015 01:44	WG812713
Lead,Dissolved	0.000316	U	0.000240	0.00200	0.00200	1	09/03/2015 01:44	WG812713
Manganese,Dissolved	0.00167	U	0.000250	0.00500	0.00500	1	09/03/2015 01:44	WG812713
Nickel,Dissolved	0.00187	U	0.000350	0.00200	0.00200	1	09/03/2015 01:44	WG812713
Selenium,Dissolved	0.00147	U	0.000380	0.00200	0.00200	1	09/03/2015 01:44	WG812713
Silver,Dissolved	U		0.000310	0.00200	0.00200	1	09/03/2015 01:44	WG812713
Uranium,Dissolved	0.00508	U	0.000330	0.0100	0.0100	1	09/03/2015 01:44	WG812713
Zinc,Dissolved	0.00494	U	0.00256	0.0250	0.0250	1	09/03/2015 01:44	WG812713

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

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0100	1.00	1.00	1	09/01/2015 16:50	WG812229
Benzene	U		0.000331	0.00100	0.00100	1	09/01/2015 16:50	WG812229
Bromodichloromethane	U		0.000380	0.00125	0.00125	1	09/01/2015 16:50	WG812229
Bromoform	U		0.000469	0.00100	0.00100	1	09/01/2015 16:50	WG812229
Bromomethane	U		0.000866	0.00500	0.00500	1	09/01/2015 16:50	WG812229
n-Butylbenzene	U		0.000361	0.00100	0.00100	1	09/01/2015 16:50	WG812229
sec-Butylbenzene	U		0.000365	0.00100	0.00100	1	09/01/2015 16:50	WG812229
tert-Butylbenzene	U		0.000399	0.00100	0.00100	1	09/01/2015 16:50	WG812229
Carbon disulfide	U		0.000275	0.00100	0.00100	1	09/01/2015 16:50	WG812229
Carbon tetrachloride	U		0.000379	0.00100	0.00100	1	09/01/2015 16:50	WG812229
Chlorobenzene	U		0.000348	0.00100	0.00100	1	09/01/2015 16:50	WG812229
Chlorodibromomethane	U		0.000327	0.00100	0.00100	1	09/01/2015 16:50	WG812229
Chloroethane	U		0.000453	0.00500	0.00500	1	09/01/2015 16:50	WG812229
Chloroform	U		0.000324	0.00500	0.00500	1	09/01/2015 16:50	WG812229
Chloromethane	U		0.000276	0.00250	0.00250	1	09/01/2015 16:50	WG812229
1,2-Dibromoethane	U		0.000381	0.00100	0.00100	1	09/01/2015 16:50	WG812229
1,1-Dichloroethane	U		0.000259	0.00100	0.00100	1	09/01/2015 16:50	WG812229
1,2-Dichloroethane	U		0.000361	0.00100	0.00100	1	09/01/2015 16:50	WG812229
1,1-Dichloroethene	U		0.000398	0.00100	0.00100	1	09/01/2015 16:50	WG812229
cis-1,2-Dichloroethene	U		0.000260	0.00100	0.00100	1	09/01/2015 16:50	WG812229
trans-1,2-Dichloroethene	U		0.000396	0.00100	0.00100	1	09/01/2015 16:50	WG812229
1,2-Dichloropropane	U		0.000306	0.00100	0.00100	1	09/01/2015 16:50	WG812229
cis-1,3-Dichloropropene	U		0.000418	0.00100	0.00100	1	09/01/2015 16:50	WG812229
trans-1,3-Dichloropropene	U		0.000419	0.00100	0.00100	1	09/01/2015 16:50	WG812229
Ethylbenzene	U		0.000384	0.00100	0.00100	1	09/01/2015 16:50	WG812229
Hexachloro-1,3-butadiene	U		0.000256	0.00100	0.00100	1	09/01/2015 16:50	WG812229
2-Hexanone	U		0.00382	0.0100	0.0100	1	09/01/2015 16:50	WG812229
Isopropylbenzene	U		0.000326	0.00100	0.00100	1	09/01/2015 16:50	WG812229
p-Isopropyltoluene	U		0.000350	0.00100	0.00100	1	09/01/2015 16:50	WG812229
2-Butanone (MEK)	U		0.00393	0.0100	0.0100	1	09/01/2015 16:50	WG812229
Methylene Chloride	0.00140	U	0.00100	0.00500	0.00500	1	09/01/2015 16:50	WG812229
4-Methyl-2-pentanone (MIBK)	U		0.00214	0.0100	0.0100	1	09/01/2015 16:50	WG812229
Methyl tert-butyl ether	U		0.000367	0.00100	0.00100	1	09/01/2015 16:50	WG812229
Naphthalene	U		0.00100	0.00500	0.00500	1	09/01/2015 16:50	WG812229
n-Propylbenzene	U		0.000349	0.00100	0.00100	1	09/01/2015 16:50	WG812229
Styrene	U		0.000307	0.00100	0.00100	1	09/01/2015 16:50	WG812229
1,1,2,2-Tetrachloroethane	U		0.000130	0.00100	0.00100	1	09/01/2015 16:50	WG812229
Tetrachloroethene	U		0.000372	0.00100	0.00100	1	09/01/2015 16:50	WG812229
Toluene	U		0.000780	0.00500	0.00500	1	09/01/2015 16:50	WG812229



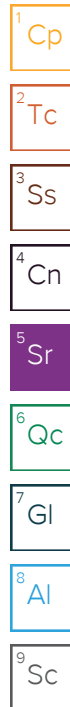


Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
1,1,1-Trichloroethane	U		0.000319	0.00100	0.00100	1	09/01/2015 16:50	WG812229
1,1,2-Trichloroethane	U		0.000383	0.00100	0.00100	1	09/01/2015 16:50	WG812229
Trichloroethene	U		0.000398	0.00100	0.00100	1	09/01/2015 16:50	WG812229
1,2,4-Trimethylbenzene	U		0.000373	0.00100	0.00100	1	09/01/2015 16:50	WG812229
1,3,5-Trimethylbenzene	U		0.000387	0.00100	0.00100	1	09/01/2015 16:50	WG812229
Vinyl chloride	U		0.000259	0.00100	0.00100	1	09/01/2015 16:50	WG812229
Xylenes, Total	U		0.00106	0.00300	0.00300	1	09/01/2015 16:50	WG812229
(S) Toluene-d8	99.6				90.0-115		09/01/2015 16:50	WG812229
(S) Dibromofluoromethane	99.9				79.0-121		09/01/2015 16:50	WG812229
(S) 4-Bromofluorobenzene	93.3				80.1-120		09/01/2015 16:50	WG812229

Semi Volatile Organic Compounds (GC/MS) by Method 8270 C

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.000316	0.00100	0.00100	1	09/01/2015 08:00	WG812320
Acenaphthylene	U		0.000309	0.00100	0.00100	1	09/01/2015 08:00	WG812320
Acetophenone	U		0.00247	0.0100	0.0100	1	09/01/2015 08:00	WG812320
Anthracene	U		0.000291	0.00100	0.00100	1	09/01/2015 08:00	WG812320
Atrazine	U		0.000260	0.0100	0.0100	1	09/01/2015 08:00	WG812320
Benzo(a)anthracene	U		0.0000510	0.00100	0.00100	1	09/01/2015 08:00	WG812320
Benzaldehyde	U		0.00140	0.0100	0.0100	1	09/01/2015 08:00	WG812320
Benzo(b)fluoranthene	U		0.0000896	0.00100	0.00100	1	09/01/2015 08:00	WG812320
Benzo(k)fluoranthene	U		0.000355	0.00100	0.00100	1	09/01/2015 08:00	WG812320
Benzo(g,h,i)perylene	U		0.00000227	0.00100	0.00100	1	09/01/2015 08:00	WG812320
Benzo(a)pyrene	U		0.0000381	0.000200	0.000200	1	09/01/2015 08:00	WG812320
Biphenyl	U		0.000325	0.0100	0.0100	1	09/01/2015 08:00	WG812320
Bis(2-chlorethoxy)methane	U		0.000329	0.0100	0.0100	1	09/01/2015 08:00	WG812320
Bis(2-chloroethyl)ether	U		0.00162	0.0100	0.0100	1	09/01/2015 08:00	WG812320
Bis(2-chloroisopropyl)ether	U		0.000445	0.0100	0.0100	1	09/01/2015 08:00	WG812320
4-Bromophenyl-phenylether	U		0.000335	0.0100	0.0100	1	09/01/2015 08:00	WG812320
2-Chloronaphthalene	U		0.000330	0.00100	0.00100	1	09/01/2015 08:00	WG812320
4-Chlorophenyl-phenylether	U		0.000303	0.0100	0.0100	1	09/01/2015 08:00	WG812320
Caprolactam	U		0.00259	0.0100	0.0100	1	09/01/2015 08:00	WG812320
Carbazole	U		0.000260	0.0100	0.0100	1	09/01/2015 08:00	WG812320
Chrysene	U		0.000332	0.00100	0.00100	1	09/01/2015 08:00	WG812320
Dibenz(a,h)anthracene	U		0.0000644	0.000200	0.000200	1	09/01/2015 08:00	WG812320
Dibenzofuran	U		0.000338	0.0100	0.0100	1	09/01/2015 08:00	WG812320
3,3-Dichlorobenzidine	U		0.00202	0.0100	0.0100	1	09/01/2015 08:00	WG812320
2,4-Dinitrotoluene	U		0.00165	0.0100	0.0100	1	09/01/2015 08:00	WG812320
2,6-Dinitrotoluene	U		0.000279	0.0100	0.0100	1	09/01/2015 08:00	WG812320
Fluoranthene	U		0.000310	0.00100	0.00100	1	09/01/2015 08:00	WG812320
Fluorene	U		0.000323	0.00100	0.00100	1	09/01/2015 08:00	WG812320
Hexachlorobenzene	U		0.000341	0.00100	0.00100	1	09/01/2015 08:00	WG812320
Hexachloro-1,3-butadiene	U		0.000329	0.0100	0.0100	1	09/01/2015 08:00	WG812320
Hexachlorocyclopentadiene	U		0.00233	0.0100	0.0100	1	09/01/2015 08:00	WG812320
Hexachloroethane	U		0.000365	0.0100	0.0100	1	09/01/2015 08:00	WG812320
Indeno(1,2,3-cd)pyrene	U		0.000279	0.00100	0.00100	1	09/01/2015 08:00	WG812320
Isophorone	U		0.000272	0.0100	0.0100	1	09/01/2015 08:00	WG812320
1-Methylnaphthalene	U		0.000332	0.00100	0.00100	1	09/01/2015 08:00	WG812320
2-Methylnaphthalene	U		0.000311	0.00100	0.00100	1	09/01/2015 08:00	WG812320
Naphthalene	U		0.000372	0.00100	0.00100	1	09/01/2015 08:00	WG812320
Nitrobenzene	U		0.000367	0.0100	0.0100	1	09/01/2015 08:00	WG812320
n-Nitrosodiphenylamine	U		0.000304	0.0100	0.0100	1	09/01/2015 08:00	WG812320
n-Nitrosodi-n-propylamine	U		0.000403	0.0100	0.0100	1	09/01/2015 08:00	WG812320
Phenanthrene	U		0.000366	0.00100	0.00100	1	09/01/2015 08:00	WG812320
Benzylbutyl phthalate	U		0.000275	0.00300	0.00300	1	09/01/2015 08:00	WG812320





Collected date/time: 08/25/15 14:20

L785444

Semi Volatile Organic Compounds (GC/MS) by Method 8270 C

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Bis(2-ethylhexyl)phthalate	U		0.000709	0.00300	0.00300	1	09/01/2015 08:00	WG812320
Di-n-butyl phthalate	0.000572	J	0.000266	0.00300	0.00300	1	09/01/2015 08:00	WG812320
Diethyl phthalate	U		0.000282	0.00300	0.00300	1	09/01/2015 08:00	WG812320
Dimethyl phthalate	U		0.000283	0.00300	0.00300	1	09/01/2015 08:00	WG812320
Di-n-octyl phthalate	0.000584	J	0.000278	0.00300	0.00300	1	09/01/2015 08:00	WG812320
Pyrene	U		0.000330	0.00100	0.00100	1	09/01/2015 08:00	WG812320
1,2,4-Trichlorobenzene	U		0.000355	0.0100	0.0100	1	09/01/2015 08:00	WG812320
4-Chloro-3-methylphenol	U		0.000263	0.0100	0.0100	1	09/01/2015 08:00	WG812320
2-Chlorophenol	U		0.000283	0.0100	0.0100	1	09/01/2015 08:00	WG812320
2,4-Dichlorophenol	U		0.000284	0.0100	0.0100	1	09/01/2015 08:00	WG812320
2,4-Dimethylphenol	U		0.000624	0.0100	0.0100	1	09/01/2015 08:00	WG812320
4,6-Dinitro-2-methylphenol	U		0.00262	0.0100	0.0100	1	09/01/2015 08:00	WG812320
2,4-Dinitrophenol	U	J3	0.00325	0.0100	0.0100	1	09/01/2015 08:00	WG812320
2-Nitrophenol	U		0.000320	0.0100	0.0100	1	09/01/2015 08:00	WG812320
2-Nitroaniline	U		0.00190	0.0100	0.0100	1	09/01/2015 08:00	WG812320
2-Methylphenol	U		0.000312	0.0100	0.0100	1	09/01/2015 08:00	WG812320
3&4-Methyl Phenol	U		0.000266	0.0100	0.0100	1	09/01/2015 08:00	WG812320
3-Nitroaniline	U		0.000308	0.0100	0.0100	1	09/01/2015 08:00	WG812320
4-Chloroaniline	U		0.000382	0.0100	0.0100	1	09/01/2015 08:00	WG812320
4-Nitroaniline	U		0.000349	0.0100	0.0100	1	09/01/2015 08:00	WG812320
4-Nitrophenol	U	J3	0.00201	0.0100	0.0100	1	09/01/2015 08:00	WG812320
Pentachlorophenol	U		0.000313	0.0100	0.0100	1	09/01/2015 08:00	WG812320
Phenol	U		0.000334	0.0100	0.0100	1	09/01/2015 08:00	WG812320
2,4,5-Trichlorophenol	U		0.000236	0.0100	0.0100	1	09/01/2015 08:00	WG812320
2,4,6-Trichlorophenol	U		0.000297	0.0100	0.0100	1	09/01/2015 08:00	WG812320
(S) 2-Fluorophenol	45.0				10.0-77.9		09/01/2015 08:00	WG812320
(S) Phenol-d5	34.4				5.00-70.1		09/01/2015 08:00	WG812320
(S) Nitrobenzene-d5	63.3				21.8-123		09/01/2015 08:00	WG812320
(S) 2-Fluorobiphenyl	63.3				29.5-131		09/01/2015 08:00	WG812320
(S) 2,4,6-Tribromophenol	77.3				11.2-130		09/01/2015 08:00	WG812320
(S) p-Terphenyl-d14	85.5				29.3-137		09/01/2015 08:00	WG812320

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	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Dissolved Solids	494		2.82	10.0	10.0	1	08/29/2015 13:42	WG812009

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Alkalinity	205		2.61	20.0	20.0	1	08/31/2015 13:25	WG812024

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Nitrate-Nitrite	2.95		0.0197	0.100	0.100	1	09/01/2015 10:31	WG812181

Wet Chemistry by Method 9040C

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	su			date / time	
pH	6.97		1	08/29/2015 11:02	WG812161

Sample Narrative:

9040C L785444-07 WG812161: 6.97 at 18.2c

Wet Chemistry by Method 9050A

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	umhos/cm			date / time	
Specific Conductance	580		1	08/29/2015 00:28	WG812174

Wet Chemistry by Method 9056

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Chloride	25.5		0.0519	1.00	1.00	1	09/03/2015 16:05	WG812351
Fluoride	2.75		0.00990	0.100	0.100	1	09/03/2015 16:05	WG812351
Sulfate	43.2		0.0774	5.00	5.00	1	09/03/2015 16:05	WG812351

Mercury by Method 7470A

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Mercury	U		0.0000490	0.000200	0.000200	1	08/28/2015 18:38	WG811966

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Aluminum,Dissolved	U		0.0350	0.200	0.200	1	09/01/2015 09:17	WG812466
Boron,Dissolved	0.177	J	0.0126	0.200	0.200	1	09/01/2015 09:17	WG812466
Calcium,Dissolved	78.2		0.0463	1.00	1.00	1	09/01/2015 09:17	WG812466
Iron,Dissolved	U		0.0141	0.100	0.100	1	09/01/2015 09:17	WG812466
Magnesium,Dissolved	9.75		0.0111	1.00	1.00	1	09/01/2015 09:17	WG812466
Molybdenum,Dissolved	0.00185	J	0.00160	0.00500	0.00500	1	09/01/2015 09:17	WG812466
Potassium,Dissolved	1.92		0.102	1.00	1.00	1	09/01/2015 09:17	WG812466
Sodium,Dissolved	37.7		0.0985	1.00	1.00	1	09/01/2015 09:17	WG812466



Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Arsenic,Dissolved	0.00600		0.000250	0.00200	0.00200	1	09/03/2015 01:46	WG812713
Barium,Dissolved	0.0765		0.000360	0.00500	0.00500	1	09/03/2015 01:46	WG812713
Cadmium,Dissolved	U		0.000160	0.00100	0.00100	1	09/03/2015 01:46	WG812713
Chromium,Dissolved	U		0.000540	0.00200	0.00200	1	09/03/2015 01:46	WG812713
Copper,Dissolved	0.000742	U	0.000520	0.00500	0.00500	1	09/03/2015 01:46	WG812713
Cobalt,Dissolved	U		0.000260	0.00200	0.00200	1	09/03/2015 01:46	WG812713
Lead,Dissolved	U		0.000240	0.00200	0.00200	1	09/03/2015 01:46	WG812713
Manganese,Dissolved	0.000287	U	0.000250	0.00500	0.00500	1	09/03/2015 01:46	WG812713
Nickel,Dissolved	0.000580	U	0.000350	0.00200	0.00200	1	09/03/2015 01:46	WG812713
Selenium,Dissolved	0.00102	U	0.000380	0.00200	0.00200	1	09/03/2015 01:46	WG812713
Silver,Dissolved	U		0.000310	0.00200	0.00200	1	09/03/2015 01:46	WG812713
Uranium,Dissolved	0.00239	U	0.000330	0.0100	0.0100	1	09/03/2015 01:46	WG812713
Zinc,Dissolved	0.00575	U	0.00256	0.0250	0.0250	1	09/03/2015 01:46	WG812713

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 mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0100	1.00	1.00	1	09/01/2015 17:10	WG812229
Benzene	U		0.000331	0.00100	0.00100	1	09/01/2015 17:10	WG812229
Bromodichloromethane	U		0.000380	0.00125	0.00125	1	09/01/2015 17:10	WG812229
Bromoform	U		0.000469	0.00100	0.00100	1	09/01/2015 17:10	WG812229
Bromomethane	U		0.000866	0.00500	0.00500	1	09/01/2015 17:10	WG812229
n-Butylbenzene	U		0.000361	0.00100	0.00100	1	09/01/2015 17:10	WG812229
sec-Butylbenzene	U		0.000365	0.00100	0.00100	1	09/01/2015 17:10	WG812229
tert-Butylbenzene	U		0.000399	0.00100	0.00100	1	09/01/2015 17:10	WG812229
Carbon disulfide	U		0.000275	0.00100	0.00100	1	09/01/2015 17:10	WG812229
Carbon tetrachloride	U		0.000379	0.00100	0.00100	1	09/01/2015 17:10	WG812229
Chlorobenzene	U		0.000348	0.00100	0.00100	1	09/01/2015 17:10	WG812229
Chlorodibromomethane	U		0.000327	0.00100	0.00100	1	09/01/2015 17:10	WG812229
Chloroethane	U		0.000453	0.00500	0.00500	1	09/01/2015 17:10	WG812229
Chloroform	U		0.000324	0.00500	0.00500	1	09/01/2015 17:10	WG812229
Chloromethane	U		0.000276	0.00250	0.00250	1	09/01/2015 17:10	WG812229
1,2-Dibromoethane	U		0.000381	0.00100	0.00100	1	09/01/2015 17:10	WG812229
1,1-Dichloroethane	U		0.000259	0.00100	0.00100	1	09/01/2015 17:10	WG812229
1,2-Dichloroethane	U		0.000361	0.00100	0.00100	1	09/01/2015 17:10	WG812229
1,1-Dichloroethene	U		0.000398	0.00100	0.00100	1	09/01/2015 17:10	WG812229
cis-1,2-Dichloroethene	U		0.000260	0.00100	0.00100	1	09/01/2015 17:10	WG812229
trans-1,2-Dichloroethene	U		0.000396	0.00100	0.00100	1	09/01/2015 17:10	WG812229
1,2-Dichloropropane	U		0.000306	0.00100	0.00100	1	09/01/2015 17:10	WG812229
cis-1,3-Dichloropropene	U		0.000418	0.00100	0.00100	1	09/01/2015 17:10	WG812229
trans-1,3-Dichloropropene	U		0.000419	0.00100	0.00100	1	09/01/2015 17:10	WG812229
Ethylbenzene	U		0.000384	0.00100	0.00100	1	09/01/2015 17:10	WG812229
Hexachloro-1,3-butadiene	U		0.000256	0.00100	0.00100	1	09/01/2015 17:10	WG812229
2-Hexanone	U		0.00382	0.0100	0.0100	1	09/01/2015 17:10	WG812229
Isopropylbenzene	U		0.000326	0.00100	0.00100	1	09/01/2015 17:10	WG812229
p-Isopropyltoluene	U		0.000350	0.00100	0.00100	1	09/01/2015 17:10	WG812229
2-Butanone (MEK)	U		0.00393	0.0100	0.0100	1	09/01/2015 17:10	WG812229
Methylene Chloride	0.00139	U	0.00100	0.00500	0.00500	1	09/01/2015 17:10	WG812229
4-Methyl-2-pentanone (MIBK)	U		0.00214	0.0100	0.0100	1	09/01/2015 17:10	WG812229
Methyl tert-butyl ether	U		0.000367	0.00100	0.00100	1	09/01/2015 17:10	WG812229
Naphthalene	U		0.00100	0.00500	0.00500	1	09/01/2015 17:10	WG812229
n-Propylbenzene	U		0.000349	0.00100	0.00100	1	09/01/2015 17:10	WG812229
Styrene	U		0.000307	0.00100	0.00100	1	09/01/2015 17:10	WG812229
1,1,2,2-Tetrachloroethane	U		0.000130	0.00100	0.00100	1	09/01/2015 17:10	WG812229
Tetrachloroethene	U		0.000372	0.00100	0.00100	1	09/01/2015 17:10	WG812229
Toluene	U		0.000780	0.00500	0.00500	1	09/01/2015 17:10	WG812229

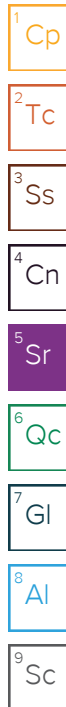


Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
1,1,1-Trichloroethane	U		0.000319	0.00100	0.00100	1	09/01/2015 17:10	WG812229
1,1,2-Trichloroethane	U		0.000383	0.00100	0.00100	1	09/01/2015 17:10	WG812229
Trichloroethene	U		0.000398	0.00100	0.00100	1	09/01/2015 17:10	WG812229
1,2,4-Trimethylbenzene	U		0.000373	0.00100	0.00100	1	09/01/2015 17:10	WG812229
1,3,5-Trimethylbenzene	U		0.000387	0.00100	0.00100	1	09/01/2015 17:10	WG812229
Vinyl chloride	U		0.000259	0.00100	0.00100	1	09/01/2015 17:10	WG812229
Xylenes, Total	U		0.00106	0.00300	0.00300	1	09/01/2015 17:10	WG812229
(S) Toluene-d8	99.3				90.0-115		09/01/2015 17:10	WG812229
(S) Dibromofluoromethane	99.5				79.0-121		09/01/2015 17:10	WG812229
(S) 4-Bromofluorobenzene	96.4				80.1-120		09/01/2015 17:10	WG812229

Semi Volatile Organic Compounds (GC/MS) by Method 8270 C

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.000316	0.00100	0.00100	1	09/01/2015 08:23	WG812320
Acenaphthylene	U		0.000309	0.00100	0.00100	1	09/01/2015 08:23	WG812320
Acetophenone	U		0.00247	0.0100	0.0100	1	09/01/2015 08:23	WG812320
Anthracene	U		0.000291	0.00100	0.00100	1	09/01/2015 08:23	WG812320
Atrazine	0.000451	J	0.000260	0.0100	0.0100	1	09/01/2015 08:23	WG812320
Benzo(a)anthracene	U		0.0000510	0.00100	0.00100	1	09/01/2015 08:23	WG812320
Benzaldehyde	U		0.00140	0.0100	0.0100	1	09/01/2015 08:23	WG812320
Benzo(b)fluoranthene	U		0.0000896	0.00100	0.00100	1	09/01/2015 08:23	WG812320
Benzo(k)fluoranthene	U		0.000355	0.00100	0.00100	1	09/01/2015 08:23	WG812320
Benzo(g,h,i)perylene	U		0.00000227	0.00100	0.00100	1	09/01/2015 08:23	WG812320
Benzo(a)pyrene	U		0.0000381	0.000200	0.000200	1	09/01/2015 08:23	WG812320
Biphenyl	U		0.000325	0.0100	0.0100	1	09/01/2015 08:23	WG812320
Bis(2-chlorethoxy)methane	U		0.000329	0.0100	0.0100	1	09/01/2015 08:23	WG812320
Bis(2-chloroethyl)ether	U		0.00162	0.0100	0.0100	1	09/01/2015 08:23	WG812320
Bis(2-chloroisopropyl)ether	U		0.000445	0.0100	0.0100	1	09/01/2015 08:23	WG812320
4-Bromophenyl-phenylether	U		0.000335	0.0100	0.0100	1	09/01/2015 08:23	WG812320
2-Chloronaphthalene	U		0.000330	0.00100	0.00100	1	09/01/2015 08:23	WG812320
4-Chlorophenyl-phenylether	U		0.000303	0.0100	0.0100	1	09/01/2015 08:23	WG812320
Caprolactam	U		0.00259	0.0100	0.0100	1	09/01/2015 08:23	WG812320
Carbazole	U		0.000260	0.0100	0.0100	1	09/01/2015 08:23	WG812320
Chrysene	U		0.000332	0.00100	0.00100	1	09/01/2015 08:23	WG812320
Dibenz(a,h)anthracene	U		0.0000644	0.000200	0.000200	1	09/01/2015 08:23	WG812320
Dibenzofuran	U		0.000338	0.0100	0.0100	1	09/01/2015 08:23	WG812320
3,3-Dichlorobenzidine	U		0.00202	0.0100	0.0100	1	09/01/2015 08:23	WG812320
2,4-Dinitrotoluene	U		0.00165	0.0100	0.0100	1	09/01/2015 08:23	WG812320
2,6-Dinitrotoluene	U		0.000279	0.0100	0.0100	1	09/01/2015 08:23	WG812320
Fluoranthene	U		0.000310	0.00100	0.00100	1	09/01/2015 08:23	WG812320
Fluorene	U		0.000323	0.00100	0.00100	1	09/01/2015 08:23	WG812320
Hexachlorobenzene	U		0.000341	0.00100	0.00100	1	09/01/2015 08:23	WG812320
Hexachloro-1,3-butadiene	U		0.000329	0.0100	0.0100	1	09/01/2015 08:23	WG812320
Hexachlorocyclopentadiene	U		0.00233	0.0100	0.0100	1	09/01/2015 08:23	WG812320
Hexachloroethane	U		0.000365	0.0100	0.0100	1	09/01/2015 08:23	WG812320
Indeno(1,2,3-cd)pyrene	U		0.000279	0.00100	0.00100	1	09/01/2015 08:23	WG812320
Isophorone	U		0.000272	0.0100	0.0100	1	09/01/2015 08:23	WG812320
1-Methylnaphthalene	U		0.000332	0.00100	0.00100	1	09/01/2015 08:23	WG812320
2-Methylnaphthalene	U		0.000311	0.00100	0.00100	1	09/01/2015 08:23	WG812320
Naphthalene	U		0.000372	0.00100	0.00100	1	09/01/2015 08:23	WG812320
Nitrobenzene	U		0.000367	0.0100	0.0100	1	09/01/2015 08:23	WG812320
n-Nitrosodiphenylamine	U		0.000304	0.0100	0.0100	1	09/01/2015 08:23	WG812320
n-Nitrosodi-n-propylamine	U		0.000403	0.0100	0.0100	1	09/01/2015 08:23	WG812320
Phenanthrene	U		0.000366	0.00100	0.00100	1	09/01/2015 08:23	WG812320
Benzylbutyl phthalate	U		0.000275	0.00300	0.00300	1	09/01/2015 08:23	WG812320





Semi Volatile Organic Compounds (GC/MS) by Method 8270 C

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Bis(2-ethylhexyl)phthalate	U		0.000709	0.00300	0.00300	1	09/01/2015 08:23	WG812320
Di-n-butyl phthalate	0.000335	J	0.000266	0.00300	0.00300	1	09/01/2015 08:23	WG812320
Diethyl phthalate	U		0.000282	0.00300	0.00300	1	09/01/2015 08:23	WG812320
Dimethyl phthalate	U		0.000283	0.00300	0.00300	1	09/01/2015 08:23	WG812320
Di-n-octyl phthalate	0.000525	J	0.000278	0.00300	0.00300	1	09/01/2015 08:23	WG812320
Pyrene	U		0.000330	0.00100	0.00100	1	09/01/2015 08:23	WG812320
1,2,4-Trichlorobenzene	U		0.000355	0.0100	0.0100	1	09/01/2015 08:23	WG812320
4-Chloro-3-methylphenol	U		0.000263	0.0100	0.0100	1	09/01/2015 08:23	WG812320
2-Chlorophenol	U		0.000283	0.0100	0.0100	1	09/01/2015 08:23	WG812320
2,4-Dichlorophenol	U		0.000284	0.0100	0.0100	1	09/01/2015 08:23	WG812320
2,4-Dimethylphenol	U		0.000624	0.0100	0.0100	1	09/01/2015 08:23	WG812320
4,6-Dinitro-2-methylphenol	U		0.00262	0.0100	0.0100	1	09/01/2015 08:23	WG812320
2,4-Dinitrophenol	U	J3	0.00325	0.0100	0.0100	1	09/01/2015 08:23	WG812320
2-Nitrophenol	U		0.000320	0.0100	0.0100	1	09/01/2015 08:23	WG812320
2-Nitroaniline	U		0.00190	0.0100	0.0100	1	09/01/2015 08:23	WG812320
2-Methylphenol	U		0.000312	0.0100	0.0100	1	09/01/2015 08:23	WG812320
3&4-Methyl Phenol	U		0.000266	0.0100	0.0100	1	09/01/2015 08:23	WG812320
3-Nitroaniline	U		0.000308	0.0100	0.0100	1	09/01/2015 08:23	WG812320
4-Chloroaniline	U		0.000382	0.0100	0.0100	1	09/01/2015 08:23	WG812320
4-Nitroaniline	U		0.000349	0.0100	0.0100	1	09/01/2015 08:23	WG812320
4-Nitrophenol	U	J3	0.00201	0.0100	0.0100	1	09/01/2015 08:23	WG812320
Pentachlorophenol	U		0.000313	0.0100	0.0100	1	09/01/2015 08:23	WG812320
Phenol	0.000405	J	0.000334	0.0100	0.0100	1	09/01/2015 08:23	WG812320
2,4,5-Trichlorophenol	U		0.000236	0.0100	0.0100	1	09/01/2015 08:23	WG812320
2,4,6-Trichlorophenol	U		0.000297	0.0100	0.0100	1	09/01/2015 08:23	WG812320
(S) 2-Fluorophenol	47.4				10.0-77.9		09/01/2015 08:23	WG812320
(S) Phenol-d5	36.6				5.00-70.1		09/01/2015 08:23	WG812320
(S) Nitrobenzene-d5	73.0				21.8-123		09/01/2015 08:23	WG812320
(S) 2-Fluorobiphenyl	68.3				29.5-131		09/01/2015 08:23	WG812320
(S) 2,4,6-Tribromophenol	77.1				11.2-130		09/01/2015 08:23	WG812320
(S) p-Terphenyl-d14	89.0				29.3-137		09/01/2015 08:23	WG812320

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	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Dissolved Solids	844		2.82	10.0	10.0	1	08/29/2015 13:43	WG812009

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Alkalinity	285		2.61	20.0	20.0	1	08/31/2015 13:25	WG812024

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Nitrate-Nitrite	2.73		0.0197	0.100	0.100	1	09/01/2015 10:34	WG812181

Wet Chemistry by Method 9040C

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	su			date / time	
pH	6.86		1	08/29/2015 11:02	WG812161

Sample Narrative:

9040C L785444-08 WG812161: 6.86 at 17.8c

Wet Chemistry by Method 9050A

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	umhos/cm			date / time	
Specific Conductance	1100		1	08/29/2015 00:28	WG812174

Wet Chemistry by Method 9056

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Chloride	136		0.519	1.00	10.0	10	09/03/2015 16:48	WG812351
Fluoride	0.703		0.00990	0.100	0.100	1	09/03/2015 16:34	WG812351
Sulfate	65.8		0.0774	5.00	5.00	1	09/03/2015 16:34	WG812351

Mercury by Method 7470A

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Mercury	U		0.0000490	0.000200	0.000200	1	08/28/2015 18:41	WG811966

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Aluminum,Dissolved	U		0.0350	0.200	0.200	1	09/01/2015 09:20	WG812466
Boron,Dissolved	0.188	J	0.0126	0.200	0.200	1	09/01/2015 09:20	WG812466
Calcium,Dissolved	155		0.0463	1.00	1.00	1	09/01/2015 09:20	WG812466
Iron,Dissolved	U		0.0141	0.100	0.100	1	09/01/2015 09:20	WG812466
Magnesium,Dissolved	14.6		0.0111	1.00	1.00	1	09/01/2015 09:20	WG812466
Molybdenum,Dissolved	0.00612		0.00160	0.00500	0.00500	1	09/01/2015 09:20	WG812466
Potassium,Dissolved	2.43		0.102	1.00	1.00	1	09/01/2015 09:20	WG812466
Sodium,Dissolved	61.0		0.0985	1.00	1.00	1	09/01/2015 09:20	WG812466



Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Arsenic,Dissolved	0.00288		0.000250	0.00200	0.00200	1	09/03/2015 01:48	WG812713
Barium,Dissolved	0.116		0.000360	0.00500	0.00500	1	09/03/2015 01:48	WG812713
Cadmium,Dissolved	U		0.000160	0.00100	0.00100	1	09/03/2015 01:48	WG812713
Chromium,Dissolved	0.00118	U	0.000540	0.00200	0.00200	1	09/03/2015 01:48	WG812713
Copper,Dissolved	0.000646	U	0.000520	0.00500	0.00500	1	09/03/2015 01:48	WG812713
Cobalt,Dissolved	U		0.000260	0.00200	0.00200	1	09/03/2015 01:48	WG812713
Lead,Dissolved	U		0.000240	0.00200	0.00200	1	09/03/2015 01:48	WG812713
Manganese,Dissolved	0.00120	U	0.000250	0.00500	0.00500	1	09/03/2015 01:48	WG812713
Nickel,Dissolved	0.00151	U	0.000350	0.00200	0.00200	1	09/03/2015 01:48	WG812713
Selenium,Dissolved	0.00178	U	0.000380	0.00200	0.00200	1	09/03/2015 01:48	WG812713
Silver,Dissolved	U		0.000310	0.00200	0.00200	1	09/03/2015 01:48	WG812713
Uranium,Dissolved	0.00434	U	0.000330	0.0100	0.0100	1	09/03/2015 01:48	WG812713
Zinc,Dissolved	0.00669	U	0.00256	0.0250	0.0250	1	09/03/2015 01:48	WG812713

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 mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0100	1.00	1.00	1	09/01/2015 17:30	WG812229
Benzene	U		0.000331	0.00100	0.00100	1	09/01/2015 17:30	WG812229
Bromodichloromethane	U		0.000380	0.00125	0.00125	1	09/01/2015 17:30	WG812229
Bromoform	U		0.000469	0.00100	0.00100	1	09/01/2015 17:30	WG812229
Bromomethane	U		0.000866	0.00500	0.00500	1	09/01/2015 17:30	WG812229
n-Butylbenzene	U		0.000361	0.00100	0.00100	1	09/01/2015 17:30	WG812229
sec-Butylbenzene	U		0.000365	0.00100	0.00100	1	09/01/2015 17:30	WG812229
tert-Butylbenzene	U		0.000399	0.00100	0.00100	1	09/01/2015 17:30	WG812229
Carbon disulfide	U		0.000275	0.00100	0.00100	1	09/01/2015 17:30	WG812229
Carbon tetrachloride	U		0.000379	0.00100	0.00100	1	09/01/2015 17:30	WG812229
Chlorobenzene	U		0.000348	0.00100	0.00100	1	09/01/2015 17:30	WG812229
Chlorodibromomethane	U		0.000327	0.00100	0.00100	1	09/01/2015 17:30	WG812229
Chloroethane	U		0.000453	0.00500	0.00500	1	09/01/2015 17:30	WG812229
Chloroform	U		0.000324	0.00500	0.00500	1	09/01/2015 17:30	WG812229
Chloromethane	U		0.000276	0.00250	0.00250	1	09/01/2015 17:30	WG812229
1,2-Dibromoethane	U		0.000381	0.00100	0.00100	1	09/01/2015 17:30	WG812229
1,1-Dichloroethane	U		0.000259	0.00100	0.00100	1	09/01/2015 17:30	WG812229
1,2-Dichloroethane	U		0.000361	0.00100	0.00100	1	09/01/2015 17:30	WG812229
1,1-Dichloroethene	U		0.000398	0.00100	0.00100	1	09/01/2015 17:30	WG812229
cis-1,2-Dichloroethene	U		0.000260	0.00100	0.00100	1	09/01/2015 17:30	WG812229
trans-1,2-Dichloroethene	U		0.000396	0.00100	0.00100	1	09/01/2015 17:30	WG812229
1,2-Dichloropropane	U		0.000306	0.00100	0.00100	1	09/01/2015 17:30	WG812229
cis-1,3-Dichloropropene	U		0.000418	0.00100	0.00100	1	09/01/2015 17:30	WG812229
trans-1,3-Dichloropropene	U		0.000419	0.00100	0.00100	1	09/01/2015 17:30	WG812229
Ethylbenzene	U		0.000384	0.00100	0.00100	1	09/01/2015 17:30	WG812229
Hexachloro-1,3-butadiene	U		0.000256	0.00100	0.00100	1	09/01/2015 17:30	WG812229
2-Hexanone	U		0.00382	0.0100	0.0100	1	09/01/2015 17:30	WG812229
Isopropylbenzene	U		0.000326	0.00100	0.00100	1	09/01/2015 17:30	WG812229
p-Isopropyltoluene	U		0.000350	0.00100	0.00100	1	09/01/2015 17:30	WG812229
2-Butanone (MEK)	U		0.00393	0.0100	0.0100	1	09/01/2015 17:30	WG812229
Methylene Chloride	0.00135	U	0.00100	0.00500	0.00500	1	09/01/2015 17:30	WG812229
4-Methyl-2-pentanone (MIBK)	U		0.00214	0.0100	0.0100	1	09/01/2015 17:30	WG812229
Methyl tert-butyl ether	U		0.000367	0.00100	0.00100	1	09/01/2015 17:30	WG812229
Naphthalene	U		0.00100	0.00500	0.00500	1	09/01/2015 17:30	WG812229
n-Propylbenzene	U		0.000349	0.00100	0.00100	1	09/01/2015 17:30	WG812229
Styrene	U		0.000307	0.00100	0.00100	1	09/01/2015 17:30	WG812229
1,1,2,2-Tetrachloroethane	U		0.000130	0.00100	0.00100	1	09/01/2015 17:30	WG812229
Tetrachloroethene	U		0.000372	0.00100	0.00100	1	09/01/2015 17:30	WG812229
Toluene	U		0.000780	0.00500	0.00500	1	09/01/2015 17:30	WG812229

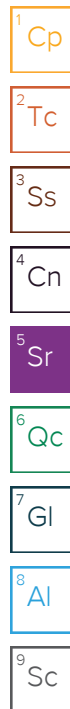


Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
1,1,1-Trichloroethane	U		0.000319	0.00100	0.00100	1	09/01/2015 17:30	WG812229
1,1,2-Trichloroethane	U		0.000383	0.00100	0.00100	1	09/01/2015 17:30	WG812229
Trichloroethene	U		0.000398	0.00100	0.00100	1	09/01/2015 17:30	WG812229
1,2,4-Trimethylbenzene	U		0.000373	0.00100	0.00100	1	09/01/2015 17:30	WG812229
1,3,5-Trimethylbenzene	U		0.000387	0.00100	0.00100	1	09/01/2015 17:30	WG812229
Vinyl chloride	U		0.000259	0.00100	0.00100	1	09/01/2015 17:30	WG812229
Xylenes, Total	U		0.00106	0.00300	0.00300	1	09/01/2015 17:30	WG812229
(S) Toluene-d8	101				90.0-115		09/01/2015 17:30	WG812229
(S) Dibromofluoromethane	101				79.0-121		09/01/2015 17:30	WG812229
(S) 4-Bromofluorobenzene	94.5				80.1-120		09/01/2015 17:30	WG812229

Semi Volatile Organic Compounds (GC/MS) by Method 8270 C

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.000316	0.00100	0.00100	1	09/01/2015 08:46	WG812320
Acenaphthylene	U		0.000309	0.00100	0.00100	1	09/01/2015 08:46	WG812320
Acetophenone	U		0.00247	0.0100	0.0100	1	09/01/2015 08:46	WG812320
Anthracene	U		0.000291	0.00100	0.00100	1	09/01/2015 08:46	WG812320
Atrazine	U		0.000260	0.0100	0.0100	1	09/01/2015 08:46	WG812320
Benzo(a)anthracene	U		0.0000510	0.00100	0.00100	1	09/01/2015 08:46	WG812320
Benzaldehyde	U		0.00140	0.0100	0.0100	1	09/01/2015 08:46	WG812320
Benzo(b)fluoranthene	U		0.0000896	0.00100	0.00100	1	09/01/2015 08:46	WG812320
Benzo(k)fluoranthene	U		0.000355	0.00100	0.00100	1	09/01/2015 08:46	WG812320
Benzo(g,h,i)perylene	U		0.00000227	0.00100	0.00100	1	09/01/2015 08:46	WG812320
Benzo(a)pyrene	U		0.0000381	0.000200	0.000200	1	09/01/2015 08:46	WG812320
Biphenyl	U		0.000325	0.0100	0.0100	1	09/01/2015 08:46	WG812320
Bis(2-chlorethoxy)methane	U		0.000329	0.0100	0.0100	1	09/01/2015 08:46	WG812320
Bis(2-chloroethyl)ether	U		0.00162	0.0100	0.0100	1	09/01/2015 08:46	WG812320
Bis(2-chloroisopropyl)ether	U		0.000445	0.0100	0.0100	1	09/01/2015 08:46	WG812320
4-Bromophenyl-phenylether	U		0.000335	0.0100	0.0100	1	09/01/2015 08:46	WG812320
2-Chloronaphthalene	U		0.000330	0.00100	0.00100	1	09/01/2015 08:46	WG812320
4-Chlorophenyl-phenylether	U		0.000303	0.0100	0.0100	1	09/01/2015 08:46	WG812320
Caprolactam	U		0.00259	0.0100	0.0100	1	09/01/2015 08:46	WG812320
Carbazole	U		0.000260	0.0100	0.0100	1	09/01/2015 08:46	WG812320
Chrysene	U		0.000332	0.00100	0.00100	1	09/01/2015 08:46	WG812320
Dibenz(a,h)anthracene	U		0.0000644	0.000200	0.000200	1	09/01/2015 08:46	WG812320
Dibenzofuran	U		0.000338	0.0100	0.0100	1	09/01/2015 08:46	WG812320
3,3-Dichlorobenzidine	U		0.00202	0.0100	0.0100	1	09/01/2015 08:46	WG812320
2,4-Dinitrotoluene	U		0.00165	0.0100	0.0100	1	09/01/2015 08:46	WG812320
2,6-Dinitrotoluene	U		0.000279	0.0100	0.0100	1	09/01/2015 08:46	WG812320
Fluoranthene	U		0.000310	0.00100	0.00100	1	09/01/2015 08:46	WG812320
Fluorene	U		0.000323	0.00100	0.00100	1	09/01/2015 08:46	WG812320
Hexachlorobenzene	U		0.000341	0.00100	0.00100	1	09/01/2015 08:46	WG812320
Hexachloro-1,3-butadiene	U		0.000329	0.0100	0.0100	1	09/01/2015 08:46	WG812320
Hexachlorocyclopentadiene	U		0.00233	0.0100	0.0100	1	09/01/2015 08:46	WG812320
Hexachloroethane	U		0.000365	0.0100	0.0100	1	09/01/2015 08:46	WG812320
Indeno(1,2,3-cd)pyrene	U		0.000279	0.00100	0.00100	1	09/01/2015 08:46	WG812320
Isophorone	U		0.000272	0.0100	0.0100	1	09/01/2015 08:46	WG812320
1-Methylnaphthalene	U		0.000332	0.00100	0.00100	1	09/01/2015 08:46	WG812320
2-Methylnaphthalene	U		0.000311	0.00100	0.00100	1	09/01/2015 08:46	WG812320
Naphthalene	U		0.000372	0.00100	0.00100	1	09/01/2015 08:46	WG812320
Nitrobenzene	U		0.000367	0.0100	0.0100	1	09/01/2015 08:46	WG812320
n-Nitrosodiphenylamine	U		0.000304	0.0100	0.0100	1	09/01/2015 08:46	WG812320
n-Nitrosodi-n-propylamine	U		0.000403	0.0100	0.0100	1	09/01/2015 08:46	WG812320
Phenanthrene	U		0.000366	0.00100	0.00100	1	09/01/2015 08:46	WG812320
Benzylbutyl phthalate	U		0.000275	0.00300	0.00300	1	09/01/2015 08:46	WG812320





Semi Volatile Organic Compounds (GC/MS) by Method 8270 C

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Bis(2-ethylhexyl)phthalate	U		0.000709	0.00300	0.00300	1	09/01/2015 08:46	WG812320
Di-n-butyl phthalate	0.000673	J	0.000266	0.00300	0.00300	1	09/01/2015 08:46	WG812320
Diethyl phthalate	U		0.000282	0.00300	0.00300	1	09/01/2015 08:46	WG812320
Dimethyl phthalate	U		0.000283	0.00300	0.00300	1	09/01/2015 08:46	WG812320
Di-n-octyl phthalate	0.000534	J	0.000278	0.00300	0.00300	1	09/01/2015 08:46	WG812320
Pyrene	U		0.000330	0.00100	0.00100	1	09/01/2015 08:46	WG812320
1,2,4-Trichlorobenzene	U		0.000355	0.0100	0.0100	1	09/01/2015 08:46	WG812320
4-Chloro-3-methylphenol	U		0.000263	0.0100	0.0100	1	09/01/2015 08:46	WG812320
2-Chlorophenol	U		0.000283	0.0100	0.0100	1	09/01/2015 08:46	WG812320
2,4-Dichlorophenol	U		0.000284	0.0100	0.0100	1	09/01/2015 08:46	WG812320
2,4-Dimethylphenol	U		0.000624	0.0100	0.0100	1	09/01/2015 08:46	WG812320
4,6-Dinitro-2-methylphenol	U		0.00262	0.0100	0.0100	1	09/01/2015 08:46	WG812320
2,4-Dinitrophenol	U	J3	0.00325	0.0100	0.0100	1	09/01/2015 08:46	WG812320
2-Nitrophenol	U		0.000320	0.0100	0.0100	1	09/01/2015 08:46	WG812320
2-Nitroaniline	U		0.00190	0.0100	0.0100	1	09/01/2015 08:46	WG812320
2-Methylphenol	U		0.000312	0.0100	0.0100	1	09/01/2015 08:46	WG812320
3&4-Methyl Phenol	U		0.000266	0.0100	0.0100	1	09/01/2015 08:46	WG812320
3-Nitroaniline	U		0.000308	0.0100	0.0100	1	09/01/2015 08:46	WG812320
4-Chloroaniline	U		0.000382	0.0100	0.0100	1	09/01/2015 08:46	WG812320
4-Nitroaniline	U		0.000349	0.0100	0.0100	1	09/01/2015 08:46	WG812320
4-Nitrophenol	U	J3	0.00201	0.0100	0.0100	1	09/01/2015 08:46	WG812320
Pentachlorophenol	U		0.000313	0.0100	0.0100	1	09/01/2015 08:46	WG812320
Phenol	0.000507	J	0.000334	0.0100	0.0100	1	09/01/2015 08:46	WG812320
2,4,5-Trichlorophenol	U		0.000236	0.0100	0.0100	1	09/01/2015 08:46	WG812320
2,4,6-Trichlorophenol	U		0.000297	0.0100	0.0100	1	09/01/2015 08:46	WG812320
(S) 2-Fluorophenol	52.5				10.0-77.9		09/01/2015 08:46	WG812320
(S) Phenol-d5	34.8				5.00-70.1		09/01/2015 08:46	WG812320
(S) Nitrobenzene-d5	69.2				21.8-123		09/01/2015 08:46	WG812320
(S) 2-Fluorobiphenyl	73.5				29.5-131		09/01/2015 08:46	WG812320
(S) 2,4,6-Tribromophenol	88.2				11.2-130		09/01/2015 08:46	WG812320
(S) p-Terphenyl-d14	87.4				29.3-137		09/01/2015 08:46	WG812320

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	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Dissolved Solids	1110		2.82	10.0	10.0	1	08/29/2015 13:43	WG812009

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Alkalinity	357		2.61	20.0	20.0	1	08/31/2015 13:25	WG812024

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Nitrate-Nitrite	2.96		0.0197	0.100	0.100	1	09/01/2015 10:35	WG812181

Wet Chemistry by Method 9040C

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	su			date / time	
pH	6.84		1	08/29/2015 11:02	WG812161

Sample Narrative:

9040C L785444-09 WG812161: 6.84 at 17.6c

Wet Chemistry by Method 9050A

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	umhos/cm			date / time	
Specific Conductance	1500		1	08/29/2015 00:28	WG812174

Wet Chemistry by Method 9056

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Chloride	211		0.156	1.00	3.00	3	09/04/2015 13:26	WG813483
Fluoride	0.693		0.00990	0.100	0.100	1	09/03/2015 17:02	WG812351
Sulfate	72.6		0.0774	5.00	5.00	1	09/03/2015 17:02	WG812351

Mercury by Method 7470A

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Mercury	U		0.0000490	0.000200	0.000200	1	08/28/2015 18:50	WG811966

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Aluminum,Dissolved	U		0.0350	0.200	0.200	1	09/01/2015 09:23	WG812466
Boron,Dissolved	0.216		0.0126	0.200	0.200	1	09/01/2015 09:23	WG812466
Calcium,Dissolved	174		0.0463	1.00	1.00	1	09/01/2015 09:23	WG812466
Iron,Dissolved	U		0.0141	0.100	0.100	1	09/01/2015 09:23	WG812466
Magnesium,Dissolved	20.8		0.0111	1.00	1.00	1	09/01/2015 09:23	WG812466
Molybdenum,Dissolved	U		0.00160	0.00500	0.00500	1	09/01/2015 09:23	WG812466
Potassium,Dissolved	4.32		0.102	1.00	1.00	1	09/01/2015 09:23	WG812466
Sodium,Dissolved	114		0.0985	1.00	1.00	1	09/01/2015 09:23	WG812466



Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Arsenic,Dissolved	0.00287		0.000250	0.00200	0.00200	1	09/03/2015 01:50	WG812713
Barium,Dissolved	0.227		0.000360	0.00500	0.00500	1	09/03/2015 01:50	WG812713
Cadmium,Dissolved	U		0.000160	0.00100	0.00100	1	09/03/2015 01:50	WG812713
Chromium,Dissolved	0.00160	U	0.000540	0.00200	0.00200	1	09/03/2015 01:50	WG812713
Copper,Dissolved	U		0.000520	0.00500	0.00500	1	09/03/2015 01:50	WG812713
Cobalt,Dissolved	0.00119	U	0.000260	0.00200	0.00200	1	09/03/2015 01:50	WG812713
Lead,Dissolved	U		0.000240	0.00200	0.00200	1	09/03/2015 01:50	WG812713
Manganese,Dissolved	0.00279	U	0.000250	0.00500	0.00500	1	09/03/2015 01:50	WG812713
Nickel,Dissolved	0.00514		0.000350	0.00200	0.00200	1	09/03/2015 01:50	WG812713
Selenium,Dissolved	0.00109	U	0.000380	0.00200	0.00200	1	09/03/2015 01:50	WG812713
Silver,Dissolved	U		0.000310	0.00200	0.00200	1	09/03/2015 01:50	WG812713
Uranium,Dissolved	0.00732	U	0.000330	0.0100	0.0100	1	09/03/2015 01:50	WG812713
Zinc,Dissolved	0.00472	U	0.00256	0.0250	0.0250	1	09/03/2015 01:50	WG812713

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

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0100	1.00	1.00	1	09/01/2015 17:50	WG812229
Benzene	U		0.000331	0.00100	0.00100	1	09/01/2015 17:50	WG812229
Bromodichloromethane	U		0.000380	0.00125	0.00125	1	09/01/2015 17:50	WG812229
Bromoform	U		0.000469	0.00100	0.00100	1	09/01/2015 17:50	WG812229
Bromomethane	U		0.000866	0.00500	0.00500	1	09/01/2015 17:50	WG812229
n-Butylbenzene	U		0.000361	0.00100	0.00100	1	09/01/2015 17:50	WG812229
sec-Butylbenzene	U		0.000365	0.00100	0.00100	1	09/01/2015 17:50	WG812229
tert-Butylbenzene	U		0.000399	0.00100	0.00100	1	09/01/2015 17:50	WG812229
Carbon disulfide	U		0.000275	0.00100	0.00100	1	09/01/2015 17:50	WG812229
Carbon tetrachloride	U		0.000379	0.00100	0.00100	1	09/01/2015 17:50	WG812229
Chlorobenzene	U		0.000348	0.00100	0.00100	1	09/01/2015 17:50	WG812229
Chlorodibromomethane	U		0.000327	0.00100	0.00100	1	09/01/2015 17:50	WG812229
Chloroethane	U		0.000453	0.00500	0.00500	1	09/01/2015 17:50	WG812229
Chloroform	U		0.000324	0.00500	0.00500	1	09/01/2015 17:50	WG812229
Chloromethane	U		0.000276	0.00250	0.00250	1	09/01/2015 17:50	WG812229
1,2-Dibromoethane	U		0.000381	0.00100	0.00100	1	09/01/2015 17:50	WG812229
1,1-Dichloroethane	U		0.000259	0.00100	0.00100	1	09/01/2015 17:50	WG812229
1,2-Dichloroethane	U		0.000361	0.00100	0.00100	1	09/01/2015 17:50	WG812229
1,1-Dichloroethene	U		0.000398	0.00100	0.00100	1	09/01/2015 17:50	WG812229
cis-1,2-Dichloroethene	U		0.000260	0.00100	0.00100	1	09/01/2015 17:50	WG812229
trans-1,2-Dichloroethene	U		0.000396	0.00100	0.00100	1	09/01/2015 17:50	WG812229
1,2-Dichloropropane	U		0.000306	0.00100	0.00100	1	09/01/2015 17:50	WG812229
cis-1,3-Dichloropropene	U		0.000418	0.00100	0.00100	1	09/01/2015 17:50	WG812229
trans-1,3-Dichloropropene	U		0.000419	0.00100	0.00100	1	09/01/2015 17:50	WG812229
Ethylbenzene	U		0.000384	0.00100	0.00100	1	09/01/2015 17:50	WG812229
Hexachloro-1,3-butadiene	U		0.000256	0.00100	0.00100	1	09/01/2015 17:50	WG812229
2-Hexanone	U		0.00382	0.0100	0.0100	1	09/01/2015 17:50	WG812229
Isopropylbenzene	U		0.000326	0.00100	0.00100	1	09/01/2015 17:50	WG812229
p-Isopropyltoluene	U		0.000350	0.00100	0.00100	1	09/01/2015 17:50	WG812229
2-Butanone (MEK)	U		0.00393	0.0100	0.0100	1	09/01/2015 17:50	WG812229
Methylene Chloride	0.00140	U	0.00100	0.00500	0.00500	1	09/01/2015 17:50	WG812229
4-Methyl-2-pentanone (MIBK)	U		0.00214	0.0100	0.0100	1	09/01/2015 17:50	WG812229
Methyl tert-butyl ether	U		0.000367	0.00100	0.00100	1	09/01/2015 17:50	WG812229
Naphthalene	U		0.00100	0.00500	0.00500	1	09/01/2015 17:50	WG812229
n-Propylbenzene	U		0.000349	0.00100	0.00100	1	09/01/2015 17:50	WG812229
Styrene	U		0.000307	0.00100	0.00100	1	09/01/2015 17:50	WG812229
1,1,2,2-Tetrachloroethane	U		0.000130	0.00100	0.00100	1	09/01/2015 17:50	WG812229
Tetrachloroethene	U		0.000372	0.00100	0.00100	1	09/01/2015 17:50	WG812229
Toluene	U		0.000780	0.00500	0.00500	1	09/01/2015 17:50	WG812229

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc



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

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
1,1,1-Trichloroethane	U		0.000319	0.00100	0.00100	1	09/01/2015 17:50	WG812229
1,1,2-Trichloroethane	U		0.000383	0.00100	0.00100	1	09/01/2015 17:50	WG812229
Trichloroethene	U		0.000398	0.00100	0.00100	1	09/01/2015 17:50	WG812229
1,2,4-Trimethylbenzene	U		0.000373	0.00100	0.00100	1	09/01/2015 17:50	WG812229
1,3,5-Trimethylbenzene	U		0.000387	0.00100	0.00100	1	09/01/2015 17:50	WG812229
Vinyl chloride	U		0.000259	0.00100	0.00100	1	09/01/2015 17:50	WG812229
Xylenes, Total	U		0.00106	0.00300	0.00300	1	09/01/2015 17:50	WG812229
(S) Toluene-d8	99.2				90.0-115		09/01/2015 17:50	WG812229
(S) Dibromofluoromethane	101				79.0-121		09/01/2015 17:50	WG812229
(S) 4-Bromofluorobenzene	93.8				80.1-120		09/01/2015 17:50	WG812229

Semi Volatile Organic Compounds (GC/MS) by Method 8270 C

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.000316	0.00100	0.00100	1	09/01/2015 09:09	WG812320
Acenaphthylene	U		0.000309	0.00100	0.00100	1	09/01/2015 09:09	WG812320
Acetophenone	U		0.00247	0.0100	0.0100	1	09/01/2015 09:09	WG812320
Anthracene	U		0.000291	0.00100	0.00100	1	09/01/2015 09:09	WG812320
Atrazine	U		0.000260	0.0100	0.0100	1	09/01/2015 09:09	WG812320
Benzo(a)anthracene	U		0.0000510	0.00100	0.00100	1	09/01/2015 09:09	WG812320
Benzaldehyde	U		0.00140	0.0100	0.0100	1	09/01/2015 09:09	WG812320
Benzo(b)fluoranthene	U		0.0000896	0.00100	0.00100	1	09/01/2015 09:09	WG812320
Benzo(k)fluoranthene	U		0.000355	0.00100	0.00100	1	09/01/2015 09:09	WG812320
Benzo(g,h,i)perylene	U		0.00000227	0.00100	0.00100	1	09/01/2015 09:09	WG812320
Benzo(a)pyrene	U		0.0000381	0.000200	0.000200	1	09/01/2015 09:09	WG812320
Biphenyl	U		0.000325	0.0100	0.0100	1	09/01/2015 09:09	WG812320
Bis(2-chlorethoxy)methane	U		0.000329	0.0100	0.0100	1	09/01/2015 09:09	WG812320
Bis(2-chloroethyl)ether	U		0.00162	0.0100	0.0100	1	09/01/2015 09:09	WG812320
Bis(2-chloroisopropyl)ether	U		0.000445	0.0100	0.0100	1	09/01/2015 09:09	WG812320
4-Bromophenyl-phenylether	U		0.000335	0.0100	0.0100	1	09/01/2015 09:09	WG812320
2-Chloronaphthalene	U		0.000330	0.00100	0.00100	1	09/01/2015 09:09	WG812320
4-Chlorophenyl-phenylether	U		0.000303	0.0100	0.0100	1	09/01/2015 09:09	WG812320
Caprolactam	U		0.00259	0.0100	0.0100	1	09/01/2015 09:09	WG812320
Carbazole	U		0.000260	0.0100	0.0100	1	09/01/2015 09:09	WG812320
Chrysene	U		0.000332	0.00100	0.00100	1	09/01/2015 09:09	WG812320
Dibenz(a,h)anthracene	U		0.0000644	0.000200	0.000200	1	09/01/2015 09:09	WG812320
Dibenzofuran	U		0.000338	0.0100	0.0100	1	09/01/2015 09:09	WG812320
3,3-Dichlorobenzidine	U		0.00202	0.0100	0.0100	1	09/01/2015 09:09	WG812320
2,4-Dinitrotoluene	U		0.00165	0.0100	0.0100	1	09/01/2015 09:09	WG812320
2,6-Dinitrotoluene	U		0.000279	0.0100	0.0100	1	09/01/2015 09:09	WG812320
Fluoranthene	U		0.000310	0.00100	0.00100	1	09/01/2015 09:09	WG812320
Fluorene	U		0.000323	0.00100	0.00100	1	09/01/2015 09:09	WG812320
Hexachlorobenzene	U		0.000341	0.00100	0.00100	1	09/01/2015 09:09	WG812320
Hexachloro-1,3-butadiene	U		0.000329	0.0100	0.0100	1	09/01/2015 09:09	WG812320
Hexachlorocyclopentadiene	U		0.00233	0.0100	0.0100	1	09/01/2015 09:09	WG812320
Hexachloroethane	U		0.000365	0.0100	0.0100	1	09/01/2015 09:09	WG812320
Indeno(1,2,3-cd)pyrene	U		0.000279	0.00100	0.00100	1	09/01/2015 09:09	WG812320
Isophorone	U		0.000272	0.0100	0.0100	1	09/01/2015 09:09	WG812320
1-Methylnaphthalene	U		0.000332	0.00100	0.00100	1	09/01/2015 09:09	WG812320
2-Methylnaphthalene	U		0.000311	0.00100	0.00100	1	09/01/2015 09:09	WG812320
Naphthalene	U		0.000372	0.00100	0.00100	1	09/01/2015 09:09	WG812320
Nitrobenzene	U		0.000367	0.0100	0.0100	1	09/01/2015 09:09	WG812320
n-Nitrosodiphenylamine	U		0.000304	0.0100	0.0100	1	09/01/2015 09:09	WG812320
n-Nitrosodi-n-propylamine	U		0.000403	0.0100	0.0100	1	09/01/2015 09:09	WG812320
Phenanthrene	U		0.000366	0.00100	0.00100	1	09/01/2015 09:09	WG812320
Benzylbutyl phthalate	U		0.000275	0.00300	0.00300	1	09/01/2015 09:09	WG812320

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Collected date/time: 08/25/15 18:00

L785444

Semi Volatile Organic Compounds (GC/MS) by Method 8270 C

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Bis(2-ethylhexyl)phthalate	U		0.000709	0.00300	0.00300	1	09/01/2015 09:09	WG812320
Di-n-butyl phthalate	0.000493	J	0.000266	0.00300	0.00300	1	09/01/2015 09:09	WG812320
Diethyl phthalate	U		0.000282	0.00300	0.00300	1	09/01/2015 09:09	WG812320
Dimethyl phthalate	U		0.000283	0.00300	0.00300	1	09/01/2015 09:09	WG812320
Di-n-octyl phthalate	0.000580	J	0.000278	0.00300	0.00300	1	09/01/2015 09:09	WG812320
Pyrene	U		0.000330	0.00100	0.00100	1	09/01/2015 09:09	WG812320
1,2,4-Trichlorobenzene	U		0.000355	0.0100	0.0100	1	09/01/2015 09:09	WG812320
4-Chloro-3-methylphenol	U		0.000263	0.0100	0.0100	1	09/01/2015 09:09	WG812320
2-Chlorophenol	U		0.000283	0.0100	0.0100	1	09/01/2015 09:09	WG812320
2,4-Dichlorophenol	U		0.000284	0.0100	0.0100	1	09/01/2015 09:09	WG812320
2,4-Dimethylphenol	U		0.000624	0.0100	0.0100	1	09/01/2015 09:09	WG812320
4,6-Dinitro-2-methylphenol	U		0.00262	0.0100	0.0100	1	09/01/2015 09:09	WG812320
2,4-Dinitrophenol	U	J3	0.00325	0.0100	0.0100	1	09/01/2015 09:09	WG812320
2-Nitrophenol	U		0.000320	0.0100	0.0100	1	09/01/2015 09:09	WG812320
2-Nitroaniline	U		0.00190	0.0100	0.0100	1	09/01/2015 09:09	WG812320
2-Methylphenol	U		0.000312	0.0100	0.0100	1	09/01/2015 09:09	WG812320
3&4-Methyl Phenol	U		0.000266	0.0100	0.0100	1	09/01/2015 09:09	WG812320
3-Nitroaniline	U		0.000308	0.0100	0.0100	1	09/01/2015 09:09	WG812320
4-Chloroaniline	U		0.000382	0.0100	0.0100	1	09/01/2015 09:09	WG812320
4-Nitroaniline	U		0.000349	0.0100	0.0100	1	09/01/2015 09:09	WG812320
4-Nitrophenol	U	J3	0.00201	0.0100	0.0100	1	09/01/2015 09:09	WG812320
Pentachlorophenol	U		0.000313	0.0100	0.0100	1	09/01/2015 09:09	WG812320
Phenol	0.000728	J	0.000334	0.0100	0.0100	1	09/01/2015 09:09	WG812320
2,4,5-Trichlorophenol	U		0.000236	0.0100	0.0100	1	09/01/2015 09:09	WG812320
2,4,6-Trichlorophenol	U		0.000297	0.0100	0.0100	1	09/01/2015 09:09	WG812320
(S) 2-Fluorophenol	52.3				10.0-77.9		09/01/2015 09:09	WG812320
(S) Phenol-d5	37.9				5.00-70.1		09/01/2015 09:09	WG812320
(S) Nitrobenzene-d5	75.9				21.8-123		09/01/2015 09:09	WG812320
(S) 2-Fluorobiphenyl	77.1				29.5-131		09/01/2015 09:09	WG812320
(S) 2,4,6-Tribromophenol	80.4				11.2-130		09/01/2015 09:09	WG812320
(S) p-Terphenyl-d14	89.2				29.3-137		09/01/2015 09:09	WG812320

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	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Dissolved Solids	1140		2.82	10.0	10.0	1	08/29/2015 13:43	WG812009

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Alkalinity	357		2.61	20.0	20.0	1	08/31/2015 13:25	WG812024

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Nitrate-Nitrite	2.90		0.0197	0.100	0.100	1	09/01/2015 10:36	WG812181

Wet Chemistry by Method 9040C

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	su			date / time	
pH	6.85		1	08/29/2015 11:02	WG812161

Sample Narrative:

9040C L785444-10 WG812161: 6.85 at 18.5c

Wet Chemistry by Method 9050A

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	umhos/cm			date / time	
Specific Conductance	1420		1	08/29/2015 00:28	WG812174

Wet Chemistry by Method 9056

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Chloride	207		0.156	1.00	3.00	3	09/04/2015 13:40	WG813483
Fluoride	0.631		0.0297	0.100	0.300	3	09/04/2015 13:40	WG813483
Sulfate	71.1		0.232	5.00	15.0	3	09/04/2015 13:40	WG813483

Mercury by Method 7470A

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Mercury	U		0.0000490	0.000200	0.000200	1	08/28/2015 18:53	WG811966

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Aluminum,Dissolved	U		0.0350	0.200	0.200	1	09/01/2015 09:26	WG812466
Boron,Dissolved	0.214		0.0126	0.200	0.200	1	09/01/2015 09:26	WG812466
Calcium,Dissolved	171		0.0463	1.00	1.00	1	09/01/2015 09:26	WG812466
Iron,Dissolved	U		0.0141	0.100	0.100	1	09/01/2015 09:26	WG812466
Magnesium,Dissolved	20.5		0.0111	1.00	1.00	1	09/01/2015 09:26	WG812466
Molybdenum,Dissolved	U		0.00160	0.00500	0.00500	1	09/01/2015 09:26	WG812466
Potassium,Dissolved	4.26		0.102	1.00	1.00	1	09/01/2015 09:26	WG812466
Sodium,Dissolved	113		0.0985	1.00	1.00	1	09/01/2015 09:26	WG812466



Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Arsenic,Dissolved	0.00296		0.000250	0.00200	0.00200	1	09/03/2015 01:53	WG812713
Barium,Dissolved	0.231		0.000360	0.00500	0.00500	1	09/03/2015 01:53	WG812713
Cadmium,Dissolved	U		0.000160	0.00100	0.00100	1	09/03/2015 01:53	WG812713
Chromium,Dissolved	0.00170	U	0.000540	0.00200	0.00200	1	09/03/2015 01:53	WG812713
Copper,Dissolved	0.00103	U	0.000520	0.00500	0.00500	1	09/03/2015 01:53	WG812713
Cobalt,Dissolved	0.00113	U	0.000260	0.00200	0.00200	1	09/03/2015 01:53	WG812713
Lead,Dissolved	U		0.000240	0.00200	0.00200	1	09/03/2015 01:53	WG812713
Manganese,Dissolved	0.00287	U	0.000250	0.00500	0.00500	1	09/03/2015 01:53	WG812713
Nickel,Dissolved	0.00528		0.000350	0.00200	0.00200	1	09/03/2015 01:53	WG812713
Selenium,Dissolved	0.00102	U	0.000380	0.00200	0.00200	1	09/03/2015 01:53	WG812713
Silver,Dissolved	U		0.000310	0.00200	0.00200	1	09/03/2015 01:53	WG812713
Uranium,Dissolved	0.00748	U	0.000330	0.0100	0.0100	1	09/03/2015 01:53	WG812713
Zinc,Dissolved	0.00497	U	0.00256	0.0250	0.0250	1	09/03/2015 01:53	WG812713

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 mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0100	1.00	1.00	1	09/01/2015 18:10	WG812229
Benzene	U		0.000331	0.00100	0.00100	1	09/01/2015 18:10	WG812229
Bromodichloromethane	U		0.000380	0.00125	0.00125	1	09/01/2015 18:10	WG812229
Bromoform	U		0.000469	0.00100	0.00100	1	09/01/2015 18:10	WG812229
Bromomethane	U		0.000866	0.00500	0.00500	1	09/01/2015 18:10	WG812229
n-Butylbenzene	U		0.000361	0.00100	0.00100	1	09/01/2015 18:10	WG812229
sec-Butylbenzene	U		0.000365	0.00100	0.00100	1	09/01/2015 18:10	WG812229
tert-Butylbenzene	U		0.000399	0.00100	0.00100	1	09/01/2015 18:10	WG812229
Carbon disulfide	U		0.000275	0.00100	0.00100	1	09/01/2015 18:10	WG812229
Carbon tetrachloride	U		0.000379	0.00100	0.00100	1	09/01/2015 18:10	WG812229
Chlorobenzene	U		0.000348	0.00100	0.00100	1	09/01/2015 18:10	WG812229
Chlorodibromomethane	U		0.000327	0.00100	0.00100	1	09/01/2015 18:10	WG812229
Chloroethane	U		0.000453	0.00500	0.00500	1	09/01/2015 18:10	WG812229
Chloroform	U		0.000324	0.00500	0.00500	1	09/01/2015 18:10	WG812229
Chloromethane	U		0.000276	0.00250	0.00250	1	09/01/2015 18:10	WG812229
1,2-Dibromoethane	U		0.000381	0.00100	0.00100	1	09/01/2015 18:10	WG812229
1,1-Dichloroethane	U		0.000259	0.00100	0.00100	1	09/01/2015 18:10	WG812229
1,2-Dichloroethane	U		0.000361	0.00100	0.00100	1	09/01/2015 18:10	WG812229
1,1-Dichloroethene	U		0.000398	0.00100	0.00100	1	09/01/2015 18:10	WG812229
cis-1,2-Dichloroethene	U		0.000260	0.00100	0.00100	1	09/01/2015 18:10	WG812229
trans-1,2-Dichloroethene	U		0.000396	0.00100	0.00100	1	09/01/2015 18:10	WG812229
1,2-Dichloropropane	U		0.000306	0.00100	0.00100	1	09/01/2015 18:10	WG812229
cis-1,3-Dichloropropene	U		0.000418	0.00100	0.00100	1	09/01/2015 18:10	WG812229
trans-1,3-Dichloropropene	U		0.000419	0.00100	0.00100	1	09/01/2015 18:10	WG812229
Ethylbenzene	U		0.000384	0.00100	0.00100	1	09/01/2015 18:10	WG812229
Hexachloro-1,3-butadiene	U		0.000256	0.00100	0.00100	1	09/01/2015 18:10	WG812229
2-Hexanone	U		0.00382	0.0100	0.0100	1	09/01/2015 18:10	WG812229
Isopropylbenzene	U		0.000326	0.00100	0.00100	1	09/01/2015 18:10	WG812229
p-Isopropyltoluene	U		0.000350	0.00100	0.00100	1	09/01/2015 18:10	WG812229
2-Butanone (MEK)	U		0.00393	0.0100	0.0100	1	09/01/2015 18:10	WG812229
Methylene Chloride	0.00153	U	0.00100	0.00500	0.00500	1	09/01/2015 18:10	WG812229
4-Methyl-2-pentanone (MIBK)	U		0.00214	0.0100	0.0100	1	09/01/2015 18:10	WG812229
Methyl tert-butyl ether	U		0.000367	0.00100	0.00100	1	09/01/2015 18:10	WG812229
Naphthalene	U		0.00100	0.00500	0.00500	1	09/01/2015 18:10	WG812229
n-Propylbenzene	U		0.000349	0.00100	0.00100	1	09/01/2015 18:10	WG812229
Styrene	U		0.000307	0.00100	0.00100	1	09/01/2015 18:10	WG812229
1,1,2,2-Tetrachloroethane	U		0.000130	0.00100	0.00100	1	09/01/2015 18:10	WG812229
Tetrachloroethene	U		0.000372	0.00100	0.00100	1	09/01/2015 18:10	WG812229
Toluene	U		0.000780	0.00500	0.00500	1	09/01/2015 18:10	WG812229

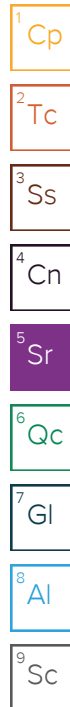


Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
1,1,1-Trichloroethane	U		0.000319	0.00100	0.00100	1	09/01/2015 18:10	WG812229
1,1,2-Trichloroethane	U		0.000383	0.00100	0.00100	1	09/01/2015 18:10	WG812229
Trichloroethene	U		0.000398	0.00100	0.00100	1	09/01/2015 18:10	WG812229
1,2,4-Trimethylbenzene	U		0.000373	0.00100	0.00100	1	09/01/2015 18:10	WG812229
1,3,5-Trimethylbenzene	U		0.000387	0.00100	0.00100	1	09/01/2015 18:10	WG812229
Vinyl chloride	U		0.000259	0.00100	0.00100	1	09/01/2015 18:10	WG812229
Xylenes, Total	U		0.00106	0.00300	0.00300	1	09/01/2015 18:10	WG812229
(S) Toluene-d8	100				90.0-115		09/01/2015 18:10	WG812229
(S) Dibromofluoromethane	100				79.0-121		09/01/2015 18:10	WG812229
(S) 4-Bromofluorobenzene	95.3				80.1-120		09/01/2015 18:10	WG812229

Semi Volatile Organic Compounds (GC/MS) by Method 8270 C

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.000316	0.00100	0.00100	1	09/01/2015 09:33	WG812320
Acenaphthylene	U		0.000309	0.00100	0.00100	1	09/01/2015 09:33	WG812320
Acetophenone	U		0.00247	0.0100	0.0100	1	09/01/2015 09:33	WG812320
Anthracene	U		0.000291	0.00100	0.00100	1	09/01/2015 09:33	WG812320
Atrazine	U		0.000260	0.0100	0.0100	1	09/01/2015 09:33	WG812320
Benzo(a)anthracene	U		0.0000510	0.00100	0.00100	1	09/01/2015 09:33	WG812320
Benzaldehyde	U		0.00140	0.0100	0.0100	1	09/01/2015 09:33	WG812320
Benzo(b)fluoranthene	U		0.0000896	0.00100	0.00100	1	09/01/2015 09:33	WG812320
Benzo(k)fluoranthene	U		0.000355	0.00100	0.00100	1	09/01/2015 09:33	WG812320
Benzo(g,h,i)perylene	U		0.00000227	0.00100	0.00100	1	09/01/2015 09:33	WG812320
Benzo(a)pyrene	U		0.0000381	0.000200	0.000200	1	09/01/2015 09:33	WG812320
Biphenyl	U		0.000325	0.0100	0.0100	1	09/01/2015 09:33	WG812320
Bis(2-chlorethoxy)methane	U		0.000329	0.0100	0.0100	1	09/01/2015 09:33	WG812320
Bis(2-chloroethyl)ether	U		0.00162	0.0100	0.0100	1	09/01/2015 09:33	WG812320
Bis(2-chloroisopropyl)ether	U		0.000445	0.0100	0.0100	1	09/01/2015 09:33	WG812320
4-Bromophenyl-phenylether	U		0.000335	0.0100	0.0100	1	09/01/2015 09:33	WG812320
2-Chloronaphthalene	U		0.000330	0.00100	0.00100	1	09/01/2015 09:33	WG812320
4-Chlorophenyl-phenylether	U		0.000303	0.0100	0.0100	1	09/01/2015 09:33	WG812320
Caprolactam	U		0.00259	0.0100	0.0100	1	09/01/2015 09:33	WG812320
Carbazole	U		0.000260	0.0100	0.0100	1	09/01/2015 09:33	WG812320
Chrysene	U		0.000332	0.00100	0.00100	1	09/01/2015 09:33	WG812320
Dibenz(a,h)anthracene	U		0.0000644	0.000200	0.000200	1	09/01/2015 09:33	WG812320
Dibenzofuran	U		0.000338	0.0100	0.0100	1	09/01/2015 09:33	WG812320
3,3-Dichlorobenzidine	U		0.00202	0.0100	0.0100	1	09/01/2015 09:33	WG812320
2,4-Dinitrotoluene	U		0.00165	0.0100	0.0100	1	09/01/2015 09:33	WG812320
2,6-Dinitrotoluene	U		0.000279	0.0100	0.0100	1	09/01/2015 09:33	WG812320
Fluoranthene	U		0.000310	0.00100	0.00100	1	09/01/2015 09:33	WG812320
Fluorene	U		0.000323	0.00100	0.00100	1	09/01/2015 09:33	WG812320
Hexachlorobenzene	U		0.000341	0.00100	0.00100	1	09/01/2015 09:33	WG812320
Hexachloro-1,3-butadiene	U		0.000329	0.0100	0.0100	1	09/01/2015 09:33	WG812320
Hexachlorocyclopentadiene	U		0.00233	0.0100	0.0100	1	09/01/2015 09:33	WG812320
Hexachloroethane	U		0.000365	0.0100	0.0100	1	09/01/2015 09:33	WG812320
Indeno(1,2,3-cd)pyrene	U		0.000279	0.00100	0.00100	1	09/01/2015 09:33	WG812320
Isophorone	U		0.000272	0.0100	0.0100	1	09/01/2015 09:33	WG812320
1-Methylnaphthalene	U		0.000332	0.00100	0.00100	1	09/01/2015 09:33	WG812320
2-Methylnaphthalene	U		0.000311	0.00100	0.00100	1	09/01/2015 09:33	WG812320
Naphthalene	U		0.000372	0.00100	0.00100	1	09/01/2015 09:33	WG812320
Nitrobenzene	U		0.000367	0.0100	0.0100	1	09/01/2015 09:33	WG812320
n-Nitrosodiphenylamine	U		0.000304	0.0100	0.0100	1	09/01/2015 09:33	WG812320
n-Nitrosodi-n-propylamine	U		0.000403	0.0100	0.0100	1	09/01/2015 09:33	WG812320
Phenanthrene	U		0.000366	0.00100	0.00100	1	09/01/2015 09:33	WG812320
Benzylbutyl phthalate	U		0.000275	0.00300	0.00300	1	09/01/2015 09:33	WG812320





Collected date/time: 08/25/15 18:00

L785444

Semi Volatile Organic Compounds (GC/MS) by Method 8270 C

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Bis(2-ethylhexyl)phthalate	U		0.000709	0.00300	0.00300	1	09/01/2015 09:33	WG812320
Di-n-butyl phthalate	U		0.000266	0.00300	0.00300	1	09/01/2015 09:33	WG812320
Diethyl phthalate	U		0.000282	0.00300	0.00300	1	09/01/2015 09:33	WG812320
Dimethyl phthalate	U		0.000283	0.00300	0.00300	1	09/01/2015 09:33	WG812320
Di-n-octyl phthalate	0.000359	J	0.000278	0.00300	0.00300	1	09/01/2015 09:33	WG812320
Pyrene	U		0.000330	0.00100	0.00100	1	09/01/2015 09:33	WG812320
1,2,4-Trichlorobenzene	U		0.000355	0.0100	0.0100	1	09/01/2015 09:33	WG812320
4-Chloro-3-methylphenol	U		0.000263	0.0100	0.0100	1	09/01/2015 09:33	WG812320
2-Chlorophenol	U		0.000283	0.0100	0.0100	1	09/01/2015 09:33	WG812320
2,4-Dichlorophenol	U		0.000284	0.0100	0.0100	1	09/01/2015 09:33	WG812320
2,4-Dimethylphenol	U		0.000624	0.0100	0.0100	1	09/01/2015 09:33	WG812320
4,6-Dinitro-2-methylphenol	U		0.00262	0.0100	0.0100	1	09/01/2015 09:33	WG812320
2,4-Dinitrophenol	U	J3	0.00325	0.0100	0.0100	1	09/01/2015 09:33	WG812320
2-Nitrophenol	U		0.000320	0.0100	0.0100	1	09/01/2015 09:33	WG812320
2-Nitroaniline	U		0.00190	0.0100	0.0100	1	09/01/2015 09:33	WG812320
2-Methylphenol	U		0.000312	0.0100	0.0100	1	09/01/2015 09:33	WG812320
3&4-Methyl Phenol	U		0.000266	0.0100	0.0100	1	09/01/2015 09:33	WG812320
3-Nitroaniline	U		0.000308	0.0100	0.0100	1	09/01/2015 09:33	WG812320
4-Chloroaniline	U		0.000382	0.0100	0.0100	1	09/01/2015 09:33	WG812320
4-Nitroaniline	U		0.000349	0.0100	0.0100	1	09/01/2015 09:33	WG812320
4-Nitrophenol	U	J3	0.00201	0.0100	0.0100	1	09/01/2015 09:33	WG812320
Pentachlorophenol	U		0.000313	0.0100	0.0100	1	09/01/2015 09:33	WG812320
Phenol	0.000581	J	0.000334	0.0100	0.0100	1	09/01/2015 09:33	WG812320
2,4,5-Trichlorophenol	U		0.000236	0.0100	0.0100	1	09/01/2015 09:33	WG812320
2,4,6-Trichlorophenol	U		0.000297	0.0100	0.0100	1	09/01/2015 09:33	WG812320
(S) 2-Fluorophenol	56.6				10.0-77.9		09/01/2015 09:33	WG812320
(S) Phenol-d5	39.1				5.00-70.1		09/01/2015 09:33	WG812320
(S) Nitrobenzene-d5	69.6				21.8-123		09/01/2015 09:33	WG812320
(S) 2-Fluorobiphenyl	75.1				29.5-131		09/01/2015 09:33	WG812320
(S) 2,4,6-Tribromophenol	86.4				11.2-130		09/01/2015 09:33	WG812320
(S) p-Terphenyl-d14	81.0				29.3-137		09/01/2015 09:33	WG812320

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	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Dissolved Solids	1160		2.82	10.0	10.0	1	08/29/2015 13:43	WG812009

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Alkalinity	578		13.0	20.0	100	5	08/31/2015 13:25	WG812024

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Nitrate-Nitrite	2.93		0.0197	0.100	0.100	1	09/01/2015 10:37	WG812181

Wet Chemistry by Method 9040C

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	su			date / time	
pH	6.76		1	08/29/2015 11:02	WG812161

Sample Narrative:

9040C L785444-11 WG812161: 6.76 at 19.0c

Wet Chemistry by Method 9050A

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	umhos/cm			date / time	
Specific Conductance	1440		1	08/29/2015 00:28	WG812174

Wet Chemistry by Method 9056

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Chloride	220		0.156	1.00	3.00	3	09/04/2015 13:54	WG813483
Fluoride	0.670		0.0297	0.100	0.300	3	09/04/2015 13:54	WG813483
Sulfate	143		0.232	5.00	15.0	3	09/04/2015 13:54	WG813483

Mercury by Method 7470A

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Mercury	U		0.0000490	0.000200	0.000200	1	08/28/2015 18:56	WG811966

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Aluminum,Dissolved	U		0.0350	0.200	0.200	1	09/01/2015 09:29	WG812466
Boron,Dissolved	0.181	J	0.0126	0.200	0.200	1	09/01/2015 09:29	WG812466
Calcium,Dissolved	182		0.0463	1.00	1.00	1	09/01/2015 09:29	WG812466
Iron,Dissolved	U		0.0141	0.100	0.100	1	09/01/2015 09:29	WG812466
Magnesium,Dissolved	21.8		0.0111	1.00	1.00	1	09/01/2015 09:29	WG812466
Molybdenum,Dissolved	U		0.00160	0.00500	0.00500	1	09/01/2015 09:29	WG812466
Potassium,Dissolved	3.28		0.102	1.00	1.00	1	09/01/2015 09:29	WG812466
Sodium,Dissolved	95.1		0.0985	1.00	1.00	1	09/01/2015 09:29	WG812466



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

L785444

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Arsenic,Dissolved	0.00263		0.000250	0.00200	0.00200	1	09/03/2015 07:53	WG812713
Barium,Dissolved	0.0990		0.000360	0.00500	0.00500	1	09/03/2015 07:53	WG812713
Cadmium,Dissolved	U		0.000160	0.00100	0.00100	1	09/03/2015 07:53	WG812713
Chromium,Dissolved	0.000822	U	0.000540	0.00200	0.00200	1	09/03/2015 07:53	WG812713
Copper,Dissolved	0.000593	U	0.000520	0.00500	0.00500	1	09/03/2015 07:53	WG812713
Cobalt,Dissolved	0.000366	U	0.000260	0.00200	0.00200	1	09/03/2015 07:53	WG812713
Lead,Dissolved	U		0.000240	0.00200	0.00200	1	09/03/2015 07:53	WG812713
Manganese,Dissolved	0.00175	U	0.000250	0.00500	0.00500	1	09/03/2015 07:53	WG812713
Nickel,Dissolved	0.00104	U	0.000350	0.00200	0.00200	1	09/03/2015 07:53	WG812713
Selenium,Dissolved	U		0.000380	0.00200	0.00200	1	09/03/2015 07:53	WG812713
Silver,Dissolved	U		0.000310	0.00200	0.00200	1	09/03/2015 07:53	WG812713
Uranium,Dissolved	0.00440	U	0.000330	0.0100	0.0100	1	09/03/2015 07:53	WG812713
Zinc,Dissolved	0.00418	U	0.00256	0.0250	0.0250	1	09/03/2015 07:53	WG812713

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 mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0100	1.00	1.00	1	09/01/2015 18:30	WG812229
Benzene	U		0.000331	0.00100	0.00100	1	09/01/2015 18:30	WG812229
Bromodichloromethane	U		0.000380	0.00125	0.00125	1	09/01/2015 18:30	WG812229
Bromoform	U		0.000469	0.00100	0.00100	1	09/01/2015 18:30	WG812229
Bromomethane	U		0.000866	0.00500	0.00500	1	09/01/2015 18:30	WG812229
n-Butylbenzene	U		0.000361	0.00100	0.00100	1	09/01/2015 18:30	WG812229
sec-Butylbenzene	U		0.000365	0.00100	0.00100	1	09/01/2015 18:30	WG812229
tert-Butylbenzene	U		0.000399	0.00100	0.00100	1	09/01/2015 18:30	WG812229
Carbon disulfide	U		0.000275	0.00100	0.00100	1	09/01/2015 18:30	WG812229
Carbon tetrachloride	U		0.000379	0.00100	0.00100	1	09/01/2015 18:30	WG812229
Chlorobenzene	U		0.000348	0.00100	0.00100	1	09/01/2015 18:30	WG812229
Chlorodibromomethane	U		0.000327	0.00100	0.00100	1	09/01/2015 18:30	WG812229
Chloroethane	U		0.000453	0.00500	0.00500	1	09/01/2015 18:30	WG812229
Chloroform	U		0.000324	0.00500	0.00500	1	09/01/2015 18:30	WG812229
Chloromethane	U		0.000276	0.00250	0.00250	1	09/01/2015 18:30	WG812229
1,2-Dibromoethane	U		0.000381	0.00100	0.00100	1	09/01/2015 18:30	WG812229
1,1-Dichloroethane	U		0.000259	0.00100	0.00100	1	09/01/2015 18:30	WG812229
1,2-Dichloroethane	U		0.000361	0.00100	0.00100	1	09/01/2015 18:30	WG812229
1,1-Dichloroethene	U		0.000398	0.00100	0.00100	1	09/01/2015 18:30	WG812229
cis-1,2-Dichloroethene	U		0.000260	0.00100	0.00100	1	09/01/2015 18:30	WG812229
trans-1,2-Dichloroethene	U		0.000396	0.00100	0.00100	1	09/01/2015 18:30	WG812229
1,2-Dichloropropane	U		0.000306	0.00100	0.00100	1	09/01/2015 18:30	WG812229
cis-1,3-Dichloropropene	U		0.000418	0.00100	0.00100	1	09/01/2015 18:30	WG812229
trans-1,3-Dichloropropene	U		0.000419	0.00100	0.00100	1	09/01/2015 18:30	WG812229
Ethylbenzene	U		0.000384	0.00100	0.00100	1	09/01/2015 18:30	WG812229
Hexachloro-1,3-butadiene	U		0.000256	0.00100	0.00100	1	09/01/2015 18:30	WG812229
2-Hexanone	U		0.00382	0.0100	0.0100	1	09/01/2015 18:30	WG812229
Isopropylbenzene	U		0.000326	0.00100	0.00100	1	09/01/2015 18:30	WG812229
p-Isopropyltoluene	U		0.000350	0.00100	0.00100	1	09/01/2015 18:30	WG812229
2-Butanone (MEK)	U		0.00393	0.0100	0.0100	1	09/01/2015 18:30	WG812229
Methylene Chloride	0.00142	U	0.00100	0.00500	0.00500	1	09/01/2015 18:30	WG812229
4-Methyl-2-pentanone (MIBK)	U		0.00214	0.0100	0.0100	1	09/01/2015 18:30	WG812229
Methyl tert-butyl ether	U		0.000367	0.00100	0.00100	1	09/01/2015 18:30	WG812229
Naphthalene	U		0.00100	0.00500	0.00500	1	09/01/2015 18:30	WG812229
n-Propylbenzene	U		0.000349	0.00100	0.00100	1	09/01/2015 18:30	WG812229
Styrene	U		0.000307	0.00100	0.00100	1	09/01/2015 18:30	WG812229
1,1,2,2-Tetrachloroethane	U		0.000130	0.00100	0.00100	1	09/01/2015 18:30	WG812229
Tetrachloroethene	U		0.000372	0.00100	0.00100	1	09/01/2015 18:30	WG812229
Toluene	U		0.000780	0.00500	0.00500	1	09/01/2015 18:30	WG812229



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

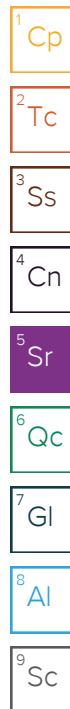
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Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
1,1,1-Trichloroethane	U		0.000319	0.00100	0.00100	1	09/01/2015 18:30	WG812229
1,1,2-Trichloroethane	0.000749	J	0.000383	0.00100	0.00100	1	09/01/2015 18:30	WG812229
Trichloroethene	U		0.000398	0.00100	0.00100	1	09/01/2015 18:30	WG812229
1,2,4-Trimethylbenzene	U		0.000373	0.00100	0.00100	1	09/01/2015 18:30	WG812229
1,3,5-Trimethylbenzene	U		0.000387	0.00100	0.00100	1	09/01/2015 18:30	WG812229
Vinyl chloride	U		0.000259	0.00100	0.00100	1	09/01/2015 18:30	WG812229
Xylenes, Total	U		0.00106	0.00300	0.00300	1	09/01/2015 18:30	WG812229
(S) Toluene-d8	101				90.0-115		09/01/2015 18:30	WG812229
(S) Dibromofluoromethane	99.6				79.0-121		09/01/2015 18:30	WG812229
(S) 4-Bromofluorobenzene	93.7				80.1-120		09/01/2015 18:30	WG812229

Semi Volatile Organic Compounds (GC/MS) by Method 8270 C

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.000316	0.00100	0.00100	1	09/01/2015 09:56	WG812320
Acenaphthylene	U		0.000309	0.00100	0.00100	1	09/01/2015 09:56	WG812320
Acetophenone	U		0.00247	0.0100	0.0100	1	09/01/2015 09:56	WG812320
Anthracene	U		0.000291	0.00100	0.00100	1	09/01/2015 09:56	WG812320
Atrazine	U		0.000260	0.0100	0.0100	1	09/01/2015 09:56	WG812320
Benzo(a)anthracene	U		0.0000510	0.00100	0.00100	1	09/01/2015 09:56	WG812320
Benzaldehyde	U		0.00140	0.0100	0.0100	1	09/01/2015 09:56	WG812320
Benzo(b)fluoranthene	U		0.0000896	0.00100	0.00100	1	09/01/2015 09:56	WG812320
Benzo(k)fluoranthene	U		0.000355	0.00100	0.00100	1	09/01/2015 09:56	WG812320
Benzo(g,h,i)perylene	U		0.00000227	0.00100	0.00100	1	09/01/2015 09:56	WG812320
Benzo(a)pyrene	U		0.0000381	0.000200	0.000200	1	09/01/2015 09:56	WG812320
Biphenyl	U		0.000325	0.0100	0.0100	1	09/01/2015 09:56	WG812320
Bis(2-chlorethoxy)methane	U		0.000329	0.0100	0.0100	1	09/01/2015 09:56	WG812320
Bis(2-chloroethyl)ether	U		0.00162	0.0100	0.0100	1	09/01/2015 09:56	WG812320
Bis(2-chloroisopropyl)ether	U		0.000445	0.0100	0.0100	1	09/01/2015 09:56	WG812320
4-Bromophenyl-phenylether	U		0.000335	0.0100	0.0100	1	09/01/2015 09:56	WG812320
2-Chloronaphthalene	U		0.000330	0.00100	0.00100	1	09/01/2015 09:56	WG812320
4-Chlorophenyl-phenylether	U		0.000303	0.0100	0.0100	1	09/01/2015 09:56	WG812320
Caprolactam	U		0.00259	0.0100	0.0100	1	09/01/2015 09:56	WG812320
Carbazole	U		0.000260	0.0100	0.0100	1	09/01/2015 09:56	WG812320
Chrysene	U		0.000332	0.00100	0.00100	1	09/01/2015 09:56	WG812320
Dibenz(a,h)anthracene	U		0.0000644	0.000200	0.000200	1	09/01/2015 09:56	WG812320
Dibenzofuran	U		0.000338	0.0100	0.0100	1	09/01/2015 09:56	WG812320
3,3-Dichlorobenzidine	U		0.00202	0.0100	0.0100	1	09/01/2015 09:56	WG812320
2,4-Dinitrotoluene	U		0.00165	0.0100	0.0100	1	09/01/2015 09:56	WG812320
2,6-Dinitrotoluene	U		0.000279	0.0100	0.0100	1	09/01/2015 09:56	WG812320
Fluoranthene	U		0.000310	0.00100	0.00100	1	09/01/2015 09:56	WG812320
Fluorene	U		0.000323	0.00100	0.00100	1	09/01/2015 09:56	WG812320
Hexachlorobenzene	U		0.000341	0.00100	0.00100	1	09/01/2015 09:56	WG812320
Hexachloro-1,3-butadiene	U		0.000329	0.0100	0.0100	1	09/01/2015 09:56	WG812320
Hexachlorocyclopentadiene	U		0.00233	0.0100	0.0100	1	09/01/2015 09:56	WG812320
Hexachloroethane	U		0.000365	0.0100	0.0100	1	09/01/2015 09:56	WG812320
Indeno(1,2,3-cd)pyrene	U		0.000279	0.00100	0.00100	1	09/01/2015 09:56	WG812320
Isophorone	U		0.000272	0.0100	0.0100	1	09/01/2015 09:56	WG812320
1-Methylnaphthalene	U		0.000332	0.00100	0.00100	1	09/01/2015 09:56	WG812320
2-Methylnaphthalene	U		0.000311	0.00100	0.00100	1	09/01/2015 09:56	WG812320
Naphthalene	U		0.000372	0.00100	0.00100	1	09/01/2015 09:56	WG812320
Nitrobenzene	U		0.000367	0.0100	0.0100	1	09/01/2015 09:56	WG812320
n-Nitrosodiphenylamine	U		0.000304	0.0100	0.0100	1	09/01/2015 09:56	WG812320
n-Nitrosodi-n-propylamine	U		0.000403	0.0100	0.0100	1	09/01/2015 09:56	WG812320
Phenanthrene	U		0.000366	0.00100	0.00100	1	09/01/2015 09:56	WG812320
Benzylbutyl phthalate	U		0.000275	0.00300	0.00300	1	09/01/2015 09:56	WG812320





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

L785444

Semi Volatile Organic Compounds (GC/MS) by Method 8270 C

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Bis(2-ethylhexyl)phthalate	U		0.000709	0.00300	0.00300	1	09/01/2015 09:56	WG812320
Di-n-butyl phthalate	0.000602	J	0.000266	0.00300	0.00300	1	09/01/2015 09:56	WG812320
Diethyl phthalate	U		0.000282	0.00300	0.00300	1	09/01/2015 09:56	WG812320
Dimethyl phthalate	U		0.000283	0.00300	0.00300	1	09/01/2015 09:56	WG812320
Di-n-octyl phthalate	0.000420	J	0.000278	0.00300	0.00300	1	09/01/2015 09:56	WG812320
Pyrene	U		0.000330	0.00100	0.00100	1	09/01/2015 09:56	WG812320
1,2,4-Trichlorobenzene	U		0.000355	0.0100	0.0100	1	09/01/2015 09:56	WG812320
4-Chloro-3-methylphenol	U		0.000263	0.0100	0.0100	1	09/01/2015 09:56	WG812320
2-Chlorophenol	U		0.000283	0.0100	0.0100	1	09/01/2015 09:56	WG812320
2,4-Dichlorophenol	U		0.000284	0.0100	0.0100	1	09/01/2015 09:56	WG812320
2,4-Dimethylphenol	U		0.000624	0.0100	0.0100	1	09/01/2015 09:56	WG812320
4,6-Dinitro-2-methylphenol	U		0.00262	0.0100	0.0100	1	09/01/2015 09:56	WG812320
2,4-Dinitrophenol	U	J3	0.00325	0.0100	0.0100	1	09/01/2015 09:56	WG812320
2-Nitrophenol	U		0.000320	0.0100	0.0100	1	09/01/2015 09:56	WG812320
2-Nitroaniline	U		0.00190	0.0100	0.0100	1	09/01/2015 09:56	WG812320
2-Methylphenol	U		0.000312	0.0100	0.0100	1	09/01/2015 09:56	WG812320
3&4-Methyl Phenol	U		0.000266	0.0100	0.0100	1	09/01/2015 09:56	WG812320
3-Nitroaniline	U		0.000308	0.0100	0.0100	1	09/01/2015 09:56	WG812320
4-Chloroaniline	U		0.000382	0.0100	0.0100	1	09/01/2015 09:56	WG812320
4-Nitroaniline	U		0.000349	0.0100	0.0100	1	09/01/2015 09:56	WG812320
4-Nitrophenol	U	J3	0.00201	0.0100	0.0100	1	09/01/2015 09:56	WG812320
Pentachlorophenol	U		0.000313	0.0100	0.0100	1	09/01/2015 09:56	WG812320
Phenol	U		0.000334	0.0100	0.0100	1	09/01/2015 09:56	WG812320
2,4,5-Trichlorophenol	U		0.000236	0.0100	0.0100	1	09/01/2015 09:56	WG812320
2,4,6-Trichlorophenol	U		0.000297	0.0100	0.0100	1	09/01/2015 09:56	WG812320
(S) 2-Fluorophenol	46.6				10.0-77.9		09/01/2015 09:56	WG812320
(S) Phenol-d5	36.4				5.00-70.1		09/01/2015 09:56	WG812320
(S) Nitrobenzene-d5	65.5				21.8-123		09/01/2015 09:56	WG812320
(S) 2-Fluorobiphenyl	70.5				29.5-131		09/01/2015 09:56	WG812320
(S) 2,4,6-Tribromophenol	79.8				11.2-130		09/01/2015 09:56	WG812320
(S) p-Terphenyl-d14	84.2				29.3-137		09/01/2015 09:56	WG812320

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	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Dissolved Solids	888		2.82	10.0	10.0	1	08/29/2015 14:08	WG812093

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Alkalinity	182		2.61	20.0	20.0	1	08/31/2015 13:25	WG812024

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Nitrate-Nitrite	2.86		0.0197	0.100	0.100	1	09/01/2015 10:38	WG812181

Wet Chemistry by Method 9040C

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	su			date / time	
pH	6.83		1	08/29/2015 11:02	WG812161

Sample Narrative:

9040C L785444-12 WG812161: 6.83 at 19.1c

Wet Chemistry by Method 9050A

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	umhos/cm			date / time	
Specific Conductance	1250		1	08/29/2015 00:28	WG812174

Wet Chemistry by Method 9056

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Chloride	236		0.156	1.00	3.00	3	09/04/2015 14:08	WG813483
Fluoride	0.789		0.0297	0.100	0.300	3	09/04/2015 14:08	WG813483
Sulfate	70.9		0.232	5.00	15.0	3	09/04/2015 14:08	WG813483

Mercury by Method 7470A

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Mercury	U		0.0000490	0.000200	0.000200	1	08/28/2015 18:59	WG811966

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Aluminum,Dissolved	U		0.0350	0.200	0.200	1	09/01/2015 09:32	WG812466
Boron,Dissolved	0.185	J	0.0126	0.200	0.200	1	09/01/2015 09:32	WG812466
Calcium,Dissolved	134		0.0463	1.00	1.00	1	09/01/2015 09:32	WG812466
Iron,Dissolved	U		0.0141	0.100	0.100	1	09/01/2015 09:32	WG812466
Magnesium,Dissolved	12.7		0.0111	1.00	1.00	1	09/01/2015 09:32	WG812466
Molybdenum,Dissolved	0.0107		0.00160	0.00500	0.00500	1	09/01/2015 09:32	WG812466
Potassium,Dissolved	2.78		0.102	1.00	1.00	1	09/01/2015 09:32	WG812466
Sodium,Dissolved	98.5		0.0985	1.00	1.00	1	09/01/2015 09:32	WG812466



Collected date/time: 08/26/15 08:50

L785444

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Arsenic,Dissolved	0.00422		0.000250	0.00200	0.00200	1	09/03/2015 07:56	WG812713
Barium,Dissolved	0.0875		0.000360	0.00500	0.00500	1	09/03/2015 07:56	WG812713
Cadmium,Dissolved	U		0.000160	0.00100	0.00100	1	09/03/2015 07:56	WG812713
Chromium,Dissolved	0.00105	U	0.000540	0.00200	0.00200	1	09/03/2015 07:56	WG812713
Copper,Dissolved	0.000732	U	0.000520	0.00500	0.00500	1	09/03/2015 07:56	WG812713
Cobalt,Dissolved	U		0.000260	0.00200	0.00200	1	09/03/2015 07:56	WG812713
Lead,Dissolved	U		0.000240	0.00200	0.00200	1	09/03/2015 07:56	WG812713
Manganese,Dissolved	U		0.000250	0.00500	0.00500	1	09/03/2015 07:56	WG812713
Nickel,Dissolved	0.00168	U	0.000350	0.00200	0.00200	1	09/03/2015 07:56	WG812713
Selenium,Dissolved	0.00138	U	0.000380	0.00200	0.00200	1	09/03/2015 07:56	WG812713
Silver,Dissolved	U		0.000310	0.00200	0.00200	1	09/03/2015 07:56	WG812713
Uranium,Dissolved	0.00179	U	0.000330	0.0100	0.0100	1	09/03/2015 07:56	WG812713
Zinc,Dissolved	0.00486	U	0.00256	0.0250	0.0250	1	09/03/2015 07:56	WG812713

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 mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0100	1.00	1.00	1	09/01/2015 18:51	WG812229
Benzene	U		0.000331	0.00100	0.00100	1	09/01/2015 18:51	WG812229
Bromodichloromethane	U		0.000380	0.00125	0.00125	1	09/01/2015 18:51	WG812229
Bromoform	U		0.000469	0.00100	0.00100	1	09/01/2015 18:51	WG812229
Bromomethane	U		0.000866	0.00500	0.00500	1	09/01/2015 18:51	WG812229
n-Butylbenzene	U		0.000361	0.00100	0.00100	1	09/01/2015 18:51	WG812229
sec-Butylbenzene	U		0.000365	0.00100	0.00100	1	09/01/2015 18:51	WG812229
tert-Butylbenzene	U		0.000399	0.00100	0.00100	1	09/01/2015 18:51	WG812229
Carbon disulfide	U		0.000275	0.00100	0.00100	1	09/01/2015 18:51	WG812229
Carbon tetrachloride	U		0.000379	0.00100	0.00100	1	09/01/2015 18:51	WG812229
Chlorobenzene	U		0.000348	0.00100	0.00100	1	09/01/2015 18:51	WG812229
Chlorodibromomethane	U		0.000327	0.00100	0.00100	1	09/01/2015 18:51	WG812229
Chloroethane	U		0.000453	0.00500	0.00500	1	09/01/2015 18:51	WG812229
Chloroform	U		0.000324	0.00500	0.00500	1	09/01/2015 18:51	WG812229
Chloromethane	U		0.000276	0.00250	0.00250	1	09/01/2015 18:51	WG812229
1,2-Dibromoethane	U		0.000381	0.00100	0.00100	1	09/01/2015 18:51	WG812229
1,1-Dichloroethane	U		0.000259	0.00100	0.00100	1	09/01/2015 18:51	WG812229
1,2-Dichloroethane	U		0.000361	0.00100	0.00100	1	09/01/2015 18:51	WG812229
1,1-Dichloroethene	U		0.000398	0.00100	0.00100	1	09/01/2015 18:51	WG812229
cis-1,2-Dichloroethene	U		0.000260	0.00100	0.00100	1	09/01/2015 18:51	WG812229
trans-1,2-Dichloroethene	U		0.000396	0.00100	0.00100	1	09/01/2015 18:51	WG812229
1,2-Dichloropropane	U		0.000306	0.00100	0.00100	1	09/01/2015 18:51	WG812229
cis-1,3-Dichloropropene	U		0.000418	0.00100	0.00100	1	09/01/2015 18:51	WG812229
trans-1,3-Dichloropropene	U		0.000419	0.00100	0.00100	1	09/01/2015 18:51	WG812229
Ethylbenzene	U		0.000384	0.00100	0.00100	1	09/01/2015 18:51	WG812229
Hexachloro-1,3-butadiene	U		0.000256	0.00100	0.00100	1	09/01/2015 18:51	WG812229
2-Hexanone	U		0.00382	0.0100	0.0100	1	09/01/2015 18:51	WG812229
Isopropylbenzene	U		0.000326	0.00100	0.00100	1	09/01/2015 18:51	WG812229
p-Isopropyltoluene	U		0.000350	0.00100	0.00100	1	09/01/2015 18:51	WG812229
2-Butanone (MEK)	U		0.00393	0.0100	0.0100	1	09/01/2015 18:51	WG812229
Methylene Chloride	0.00145	U	0.00100	0.00500	0.00500	1	09/01/2015 18:51	WG812229
4-Methyl-2-pentanone (MIBK)	U		0.00214	0.0100	0.0100	1	09/01/2015 18:51	WG812229
Methyl tert-butyl ether	U		0.000367	0.00100	0.00100	1	09/01/2015 18:51	WG812229
Naphthalene	U		0.00100	0.00500	0.00500	1	09/01/2015 18:51	WG812229
n-Propylbenzene	U		0.000349	0.00100	0.00100	1	09/01/2015 18:51	WG812229
Styrene	U		0.000307	0.00100	0.00100	1	09/01/2015 18:51	WG812229
1,1,2,2-Tetrachloroethane	U		0.000130	0.00100	0.00100	1	09/01/2015 18:51	WG812229
Tetrachloroethene	U		0.000372	0.00100	0.00100	1	09/01/2015 18:51	WG812229
Toluene	U		0.000780	0.00500	0.00500	1	09/01/2015 18:51	WG812229

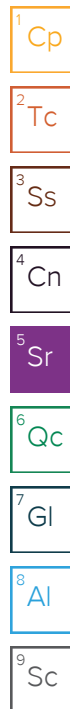


Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
1,1,1-Trichloroethane	U		0.000319	0.00100	0.00100	1	09/01/2015 18:51	WG812229
1,1,2-Trichloroethane	U		0.000383	0.00100	0.00100	1	09/01/2015 18:51	WG812229
Trichloroethene	U		0.000398	0.00100	0.00100	1	09/01/2015 18:51	WG812229
1,2,4-Trimethylbenzene	U		0.000373	0.00100	0.00100	1	09/01/2015 18:51	WG812229
1,3,5-Trimethylbenzene	U		0.000387	0.00100	0.00100	1	09/01/2015 18:51	WG812229
Vinyl chloride	U		0.000259	0.00100	0.00100	1	09/01/2015 18:51	WG812229
Xylenes, Total	U		0.00106	0.00300	0.00300	1	09/01/2015 18:51	WG812229
(S) Toluene-d8	101				90.0-115		09/01/2015 18:51	WG812229
(S) Dibromofluoromethane	101				79.0-121		09/01/2015 18:51	WG812229
(S) 4-Bromofluorobenzene	95.6				80.1-120		09/01/2015 18:51	WG812229

Semi Volatile Organic Compounds (GC/MS) by Method 8270 C

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.000316	0.00100	0.00100	1	09/01/2015 10:19	WG812320
Acenaphthylene	U		0.000309	0.00100	0.00100	1	09/01/2015 10:19	WG812320
Acetophenone	U		0.00247	0.0100	0.0100	1	09/01/2015 10:19	WG812320
Anthracene	U		0.000291	0.00100	0.00100	1	09/01/2015 10:19	WG812320
Atrazine	U		0.000260	0.0100	0.0100	1	09/01/2015 10:19	WG812320
Benzo(a)anthracene	U		0.0000510	0.00100	0.00100	1	09/01/2015 10:19	WG812320
Benzaldehyde	U		0.00140	0.0100	0.0100	1	09/01/2015 10:19	WG812320
Benzo(b)fluoranthene	U		0.0000896	0.00100	0.00100	1	09/01/2015 10:19	WG812320
Benzo(k)fluoranthene	U		0.000355	0.00100	0.00100	1	09/01/2015 10:19	WG812320
Benzo(g,h,i)perylene	U		0.00000227	0.00100	0.00100	1	09/01/2015 10:19	WG812320
Benzo(a)pyrene	U		0.0000381	0.000200	0.000200	1	09/01/2015 10:19	WG812320
Biphenyl	U		0.000325	0.0100	0.0100	1	09/01/2015 10:19	WG812320
Bis(2-chlorethoxy)methane	U		0.000329	0.0100	0.0100	1	09/01/2015 10:19	WG812320
Bis(2-chloroethyl)ether	U		0.00162	0.0100	0.0100	1	09/01/2015 10:19	WG812320
Bis(2-chloroisopropyl)ether	U		0.000445	0.0100	0.0100	1	09/01/2015 10:19	WG812320
4-Bromophenyl-phenylether	U		0.000335	0.0100	0.0100	1	09/01/2015 10:19	WG812320
2-Chloronaphthalene	U		0.000330	0.00100	0.00100	1	09/01/2015 10:19	WG812320
4-Chlorophenyl-phenylether	U		0.000303	0.0100	0.0100	1	09/01/2015 10:19	WG812320
Caprolactam	U		0.00259	0.0100	0.0100	1	09/01/2015 10:19	WG812320
Carbazole	U		0.000260	0.0100	0.0100	1	09/01/2015 10:19	WG812320
Chrysene	U		0.000332	0.00100	0.00100	1	09/01/2015 10:19	WG812320
Dibenz(a,h)anthracene	U		0.0000644	0.000200	0.000200	1	09/01/2015 10:19	WG812320
Dibenzofuran	U		0.000338	0.0100	0.0100	1	09/01/2015 10:19	WG812320
3,3-Dichlorobenzidine	U		0.00202	0.0100	0.0100	1	09/01/2015 10:19	WG812320
2,4-Dinitrotoluene	U		0.00165	0.0100	0.0100	1	09/01/2015 10:19	WG812320
2,6-Dinitrotoluene	U		0.000279	0.0100	0.0100	1	09/01/2015 10:19	WG812320
Fluoranthene	U		0.000310	0.00100	0.00100	1	09/01/2015 10:19	WG812320
Fluorene	U		0.000323	0.00100	0.00100	1	09/01/2015 10:19	WG812320
Hexachlorobenzene	U		0.000341	0.00100	0.00100	1	09/01/2015 10:19	WG812320
Hexachloro-1,3-butadiene	U		0.000329	0.0100	0.0100	1	09/01/2015 10:19	WG812320
Hexachlorocyclopentadiene	U		0.00233	0.0100	0.0100	1	09/01/2015 10:19	WG812320
Hexachloroethane	U		0.000365	0.0100	0.0100	1	09/01/2015 10:19	WG812320
Indeno(1,2,3-cd)pyrene	U		0.000279	0.00100	0.00100	1	09/01/2015 10:19	WG812320
Isophorone	U		0.000272	0.0100	0.0100	1	09/01/2015 10:19	WG812320
1-Methylnaphthalene	U		0.000332	0.00100	0.00100	1	09/01/2015 10:19	WG812320
2-Methylnaphthalene	U		0.000311	0.00100	0.00100	1	09/01/2015 10:19	WG812320
Naphthalene	U		0.000372	0.00100	0.00100	1	09/01/2015 10:19	WG812320
Nitrobenzene	U		0.000367	0.0100	0.0100	1	09/01/2015 10:19	WG812320
n-Nitrosodiphenylamine	U		0.000304	0.0100	0.0100	1	09/01/2015 10:19	WG812320
n-Nitrosodi-n-propylamine	U		0.000403	0.0100	0.0100	1	09/01/2015 10:19	WG812320
Phenanthrene	U		0.000366	0.00100	0.00100	1	09/01/2015 10:19	WG812320
Benzylbutyl phthalate	U		0.000275	0.00300	0.00300	1	09/01/2015 10:19	WG812320





Collected date/time: 08/26/15 08:50

L785444

Semi Volatile Organic Compounds (GC/MS) by Method 8270 C

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Bis(2-ethylhexyl)phthalate	U		0.000709	0.00300	0.00300	1	09/01/2015 10:19	WG812320
Di-n-butyl phthalate	0.000461	J	0.000266	0.00300	0.00300	1	09/01/2015 10:19	WG812320
Diethyl phthalate	U		0.000282	0.00300	0.00300	1	09/01/2015 10:19	WG812320
Dimethyl phthalate	U		0.000283	0.00300	0.00300	1	09/01/2015 10:19	WG812320
Di-n-octyl phthalate	0.000906	J	0.000278	0.00300	0.00300	1	09/01/2015 10:19	WG812320
Pyrene	U		0.000330	0.00100	0.00100	1	09/01/2015 10:19	WG812320
1,2,4-Trichlorobenzene	U		0.000355	0.0100	0.0100	1	09/01/2015 10:19	WG812320
4-Chloro-3-methylphenol	U		0.000263	0.0100	0.0100	1	09/01/2015 10:19	WG812320
2-Chlorophenol	U		0.000283	0.0100	0.0100	1	09/01/2015 10:19	WG812320
2,4-Dichlorophenol	U		0.000284	0.0100	0.0100	1	09/01/2015 10:19	WG812320
2,4-Dimethylphenol	U		0.000624	0.0100	0.0100	1	09/01/2015 10:19	WG812320
4,6-Dinitro-2-methylphenol	U		0.00262	0.0100	0.0100	1	09/01/2015 10:19	WG812320
2,4-Dinitrophenol	U	J3	0.00325	0.0100	0.0100	1	09/01/2015 10:19	WG812320
2-Nitrophenol	U		0.000320	0.0100	0.0100	1	09/01/2015 10:19	WG812320
2-Nitroaniline	U		0.00190	0.0100	0.0100	1	09/01/2015 10:19	WG812320
2-Methylphenol	U		0.000312	0.0100	0.0100	1	09/01/2015 10:19	WG812320
3&4-Methyl Phenol	U		0.000266	0.0100	0.0100	1	09/01/2015 10:19	WG812320
3-Nitroaniline	U		0.000308	0.0100	0.0100	1	09/01/2015 10:19	WG812320
4-Chloroaniline	U		0.000382	0.0100	0.0100	1	09/01/2015 10:19	WG812320
4-Nitroaniline	U		0.000349	0.0100	0.0100	1	09/01/2015 10:19	WG812320
4-Nitrophenol	U	J3	0.00201	0.0100	0.0100	1	09/01/2015 10:19	WG812320
Pentachlorophenol	U		0.000313	0.0100	0.0100	1	09/01/2015 10:19	WG812320
Phenol	0.000610	J	0.000334	0.0100	0.0100	1	09/01/2015 10:19	WG812320
2,4,5-Trichlorophenol	U		0.000236	0.0100	0.0100	1	09/01/2015 10:19	WG812320
2,4,6-Trichlorophenol	U		0.000297	0.0100	0.0100	1	09/01/2015 10:19	WG812320
(S) 2-Fluorophenol	54.1				10.0-77.9		09/01/2015 10:19	WG812320
(S) Phenol-d5	37.7				5.00-70.1		09/01/2015 10:19	WG812320
(S) Nitrobenzene-d5	82.1				21.8-123		09/01/2015 10:19	WG812320
(S) 2-Fluorobiphenyl	70.1				29.5-131		09/01/2015 10:19	WG812320
(S) 2,4,6-Tribromophenol	85.1				11.2-130		09/01/2015 10:19	WG812320
(S) p-Terphenyl-d14	88.7				29.3-137		09/01/2015 10:19	WG812320

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	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Dissolved Solids	690		2.82	10.0	10.0	1	08/29/2015 14:09	WG812093

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Alkalinity	293		13.0	20.0	100	5	08/31/2015 13:25	WG812024

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Nitrate-Nitrite	2.94		0.0197	0.100	0.100	1	09/01/2015 10:39	WG812181

Wet Chemistry by Method 9040C

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	su			date / time	
pH	7.10		1	08/29/2015 11:02	WG812161

Sample Narrative:

9040C L785444-13 WG812161: 7.10 at 19.3c

Wet Chemistry by Method 9050A

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	umhos/cm			date / time	
Specific Conductance	1030		1	08/29/2015 00:28	WG812174

Wet Chemistry by Method 9056

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Chloride	139		0.104	1.00	2.00	2	09/04/2015 14:21	WG813483
Fluoride	2.27		0.0198	0.100	0.200	2	09/04/2015 14:21	WG813483
Sulfate	95.2		0.155	5.00	10.0	2	09/04/2015 14:21	WG813483

Mercury by Method 7470A

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Mercury	U		0.0000490	0.000200	0.000200	1	08/28/2015 19:02	WG811966

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Aluminum,Dissolved	U		0.0350	0.200	0.200	1	09/01/2015 09:35	WG812466
Boron,Dissolved	0.264		0.0126	0.200	0.200	1	09/01/2015 09:35	WG812466
Calcium,Dissolved	54.0		0.0463	1.00	1.00	1	09/01/2015 09:35	WG812466
Iron,Dissolved	U		0.0141	0.100	0.100	1	09/01/2015 09:35	WG812466
Magnesium,Dissolved	5.49		0.0111	1.00	1.00	1	09/01/2015 09:35	WG812466
Molybdenum,Dissolved	0.0139		0.00160	0.00500	0.00500	1	09/01/2015 09:35	WG812466
Potassium,Dissolved	2.89		0.102	1.00	1.00	1	09/01/2015 09:35	WG812466
Sodium,Dissolved	153		0.0985	1.00	1.00	1	09/01/2015 09:35	WG812466



Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Arsenic,Dissolved	0.00353		0.000250	0.00200	0.00200	1	09/03/2015 07:58	WG812713
Barium,Dissolved	0.0571		0.000360	0.00500	0.00500	1	09/03/2015 07:58	WG812713
Cadmium,Dissolved	U		0.000160	0.00100	0.00100	1	09/03/2015 07:58	WG812713
Chromium,Dissolved	0.00256		0.000540	0.00200	0.00200	1	09/03/2015 07:58	WG812713
Copper,Dissolved	0.000627	U	0.000520	0.00500	0.00500	1	09/03/2015 07:58	WG812713
Cobalt,Dissolved	U		0.000260	0.00200	0.00200	1	09/03/2015 07:58	WG812713
Lead,Dissolved	U		0.000240	0.00200	0.00200	1	09/03/2015 07:58	WG812713
Manganese,Dissolved	0.00206	U	0.000250	0.00500	0.00500	1	09/03/2015 07:58	WG812713
Nickel,Dissolved	0.00405		0.000350	0.00200	0.00200	1	09/03/2015 07:58	WG812713
Selenium,Dissolved	0.00318		0.000380	0.00200	0.00200	1	09/03/2015 07:58	WG812713
Silver,Dissolved	U		0.000310	0.00200	0.00200	1	09/03/2015 07:58	WG812713
Uranium,Dissolved	0.00550	U	0.000330	0.0100	0.0100	1	09/03/2015 07:58	WG812713
Zinc,Dissolved	U		0.00256	0.0250	0.0250	1	09/03/2015 07:58	WG812713

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 mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Acetone	0.181	U	0.0100	1.00	1.00	1	09/01/2015 19:11	WG812229
Benzene	U		0.000331	0.00100	0.00100	1	09/01/2015 19:11	WG812229
Bromodichloromethane	U		0.000380	0.00125	0.00125	1	09/01/2015 19:11	WG812229
Bromoform	U		0.000469	0.00100	0.00100	1	09/01/2015 19:11	WG812229
Bromomethane	U		0.000866	0.00500	0.00500	1	09/01/2015 19:11	WG812229
n-Butylbenzene	U		0.000361	0.00100	0.00100	1	09/01/2015 19:11	WG812229
sec-Butylbenzene	U		0.000365	0.00100	0.00100	1	09/01/2015 19:11	WG812229
tert-Butylbenzene	U		0.000399	0.00100	0.00100	1	09/01/2015 19:11	WG812229
Carbon disulfide	U		0.000275	0.00100	0.00100	1	09/01/2015 19:11	WG812229
Carbon tetrachloride	U		0.000379	0.00100	0.00100	1	09/01/2015 19:11	WG812229
Chlorobenzene	U		0.000348	0.00100	0.00100	1	09/01/2015 19:11	WG812229
Chlorodibromomethane	U		0.000327	0.00100	0.00100	1	09/01/2015 19:11	WG812229
Chloroethane	U		0.000453	0.00500	0.00500	1	09/01/2015 19:11	WG812229
Chloroform	U		0.000324	0.00500	0.00500	1	09/01/2015 19:11	WG812229
Chloromethane	U		0.000276	0.00250	0.00250	1	09/01/2015 19:11	WG812229
1,2-Dibromoethane	U		0.000381	0.00100	0.00100	1	09/01/2015 19:11	WG812229
1,1-Dichloroethane	U		0.000259	0.00100	0.00100	1	09/01/2015 19:11	WG812229
1,2-Dichloroethane	U		0.000361	0.00100	0.00100	1	09/01/2015 19:11	WG812229
1,1-Dichloroethene	U		0.000398	0.00100	0.00100	1	09/01/2015 19:11	WG812229
cis-1,2-Dichloroethene	U		0.000260	0.00100	0.00100	1	09/01/2015 19:11	WG812229
trans-1,2-Dichloroethene	U		0.000396	0.00100	0.00100	1	09/01/2015 19:11	WG812229
1,2-Dichloropropane	U		0.000306	0.00100	0.00100	1	09/01/2015 19:11	WG812229
cis-1,3-Dichloropropene	U		0.000418	0.00100	0.00100	1	09/01/2015 19:11	WG812229
trans-1,3-Dichloropropene	U		0.000419	0.00100	0.00100	1	09/01/2015 19:11	WG812229
Ethylbenzene	U		0.000384	0.00100	0.00100	1	09/01/2015 19:11	WG812229
Hexachloro-1,3-butadiene	U		0.000256	0.00100	0.00100	1	09/01/2015 19:11	WG812229
2-Hexanone	U		0.00382	0.0100	0.0100	1	09/01/2015 19:11	WG812229
Isopropylbenzene	U		0.000326	0.00100	0.00100	1	09/01/2015 19:11	WG812229
p-Isopropyltoluene	U		0.000350	0.00100	0.00100	1	09/01/2015 19:11	WG812229
2-Butanone (MEK)	U		0.00393	0.0100	0.0100	1	09/01/2015 19:11	WG812229
Methylene Chloride	0.00152	U	0.00100	0.00500	0.00500	1	09/01/2015 19:11	WG812229
4-Methyl-2-pentanone (MIBK)	U		0.00214	0.0100	0.0100	1	09/01/2015 19:11	WG812229
Methyl tert-butyl ether	U		0.000367	0.00100	0.00100	1	09/01/2015 19:11	WG812229
Naphthalene	U		0.00100	0.00500	0.00500	1	09/01/2015 19:11	WG812229
n-Propylbenzene	U		0.000349	0.00100	0.00100	1	09/01/2015 19:11	WG812229
Styrene	U		0.000307	0.00100	0.00100	1	09/01/2015 19:11	WG812229
1,1,2,2-Tetrachloroethane	U		0.000130	0.00100	0.00100	1	09/01/2015 19:11	WG812229
Tetrachloroethene	U		0.000372	0.00100	0.00100	1	09/01/2015 19:11	WG812229
Toluene	U		0.000780	0.00500	0.00500	1	09/01/2015 19:11	WG812229

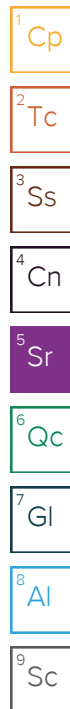


Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
1,1,1-Trichloroethane	U		0.000319	0.00100	0.00100	1	09/01/2015 19:11	WG812229
1,1,2-Trichloroethane	U		0.000383	0.00100	0.00100	1	09/01/2015 19:11	WG812229
Trichloroethene	U		0.000398	0.00100	0.00100	1	09/01/2015 19:11	WG812229
1,2,4-Trimethylbenzene	U		0.000373	0.00100	0.00100	1	09/01/2015 19:11	WG812229
1,3,5-Trimethylbenzene	U		0.000387	0.00100	0.00100	1	09/01/2015 19:11	WG812229
Vinyl chloride	U		0.000259	0.00100	0.00100	1	09/01/2015 19:11	WG812229
Xylenes, Total	U		0.00106	0.00300	0.00300	1	09/01/2015 19:11	WG812229
(S) Toluene-d8	100				90.0-115		09/01/2015 19:11	WG812229
(S) Dibromofluoromethane	101				79.0-121		09/01/2015 19:11	WG812229
(S) 4-Bromofluorobenzene	93.3				80.1-120		09/01/2015 19:11	WG812229

Semi Volatile Organic Compounds (GC/MS) by Method 8270 C

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.000316	0.00100	0.00100	1	09/01/2015 10:42	WG812320
Acenaphthylene	U		0.000309	0.00100	0.00100	1	09/01/2015 10:42	WG812320
Acetophenone	U		0.00247	0.0100	0.0100	1	09/01/2015 10:42	WG812320
Anthracene	U		0.000291	0.00100	0.00100	1	09/01/2015 10:42	WG812320
Atrazine	U		0.000260	0.0100	0.0100	1	09/01/2015 10:42	WG812320
Benzo(a)anthracene	U		0.0000510	0.00100	0.00100	1	09/01/2015 10:42	WG812320
Benzaldehyde	U		0.00140	0.0100	0.0100	1	09/01/2015 10:42	WG812320
Benzo(b)fluoranthene	U		0.0000896	0.00100	0.00100	1	09/01/2015 10:42	WG812320
Benzo(k)fluoranthene	U		0.000355	0.00100	0.00100	1	09/01/2015 10:42	WG812320
Benzo(g,h,i)perylene	U		0.00000227	0.00100	0.00100	1	09/01/2015 10:42	WG812320
Benzo(a)pyrene	U		0.0000381	0.000200	0.000200	1	09/01/2015 10:42	WG812320
Biphenyl	U		0.000325	0.0100	0.0100	1	09/01/2015 10:42	WG812320
Bis(2-chlorethoxy)methane	U		0.000329	0.0100	0.0100	1	09/01/2015 10:42	WG812320
Bis(2-chloroethyl)ether	U		0.00162	0.0100	0.0100	1	09/01/2015 10:42	WG812320
Bis(2-chloroisopropyl)ether	U		0.000445	0.0100	0.0100	1	09/01/2015 10:42	WG812320
4-Bromophenyl-phenylether	U		0.000335	0.0100	0.0100	1	09/01/2015 10:42	WG812320
2-Chloronaphthalene	U		0.000330	0.00100	0.00100	1	09/01/2015 10:42	WG812320
4-Chlorophenyl-phenylether	U		0.000303	0.0100	0.0100	1	09/01/2015 10:42	WG812320
Caprolactam	U		0.00259	0.0100	0.0100	1	09/01/2015 10:42	WG812320
Carbazole	U		0.000260	0.0100	0.0100	1	09/01/2015 10:42	WG812320
Chrysene	U		0.000332	0.00100	0.00100	1	09/01/2015 10:42	WG812320
Dibenz(a,h)anthracene	U		0.0000644	0.000200	0.000200	1	09/01/2015 10:42	WG812320
Dibenzofuran	U		0.000338	0.0100	0.0100	1	09/01/2015 10:42	WG812320
3,3-Dichlorobenzidine	U		0.00202	0.0100	0.0100	1	09/01/2015 10:42	WG812320
2,4-Dinitrotoluene	U		0.00165	0.0100	0.0100	1	09/01/2015 10:42	WG812320
2,6-Dinitrotoluene	U		0.000279	0.0100	0.0100	1	09/01/2015 10:42	WG812320
Fluoranthene	U		0.000310	0.00100	0.00100	1	09/01/2015 10:42	WG812320
Fluorene	U		0.000323	0.00100	0.00100	1	09/01/2015 10:42	WG812320
Hexachlorobenzene	U		0.000341	0.00100	0.00100	1	09/01/2015 10:42	WG812320
Hexachloro-1,3-butadiene	U		0.000329	0.0100	0.0100	1	09/01/2015 10:42	WG812320
Hexachlorocyclopentadiene	U		0.00233	0.0100	0.0100	1	09/01/2015 10:42	WG812320
Hexachloroethane	U		0.000365	0.0100	0.0100	1	09/01/2015 10:42	WG812320
Indeno(1,2,3-cd)pyrene	U		0.000279	0.00100	0.00100	1	09/01/2015 10:42	WG812320
Isophorone	U		0.000272	0.0100	0.0100	1	09/01/2015 10:42	WG812320
1-Methylnaphthalene	U		0.000332	0.00100	0.00100	1	09/01/2015 10:42	WG812320
2-Methylnaphthalene	U		0.000311	0.00100	0.00100	1	09/01/2015 10:42	WG812320
Naphthalene	U		0.000372	0.00100	0.00100	1	09/01/2015 10:42	WG812320
Nitrobenzene	U		0.000367	0.0100	0.0100	1	09/01/2015 10:42	WG812320
n-Nitrosodiphenylamine	U		0.000304	0.0100	0.0100	1	09/01/2015 10:42	WG812320
n-Nitrosodi-n-propylamine	U		0.000403	0.0100	0.0100	1	09/01/2015 10:42	WG812320
Phenanthrene	U		0.000366	0.00100	0.00100	1	09/01/2015 10:42	WG812320
Benzylbutyl phthalate	U		0.000275	0.00300	0.00300	1	09/01/2015 10:42	WG812320





Collected date/time: 08/26/15 10:35

L785444

Semi Volatile Organic Compounds (GC/MS) by Method 8270 C

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Bis(2-ethylhexyl)phthalate	U		0.000709	0.00300	0.00300	1	09/01/2015 10:42	WG812320
Di-n-butyl phthalate	0.000274	J	0.000266	0.00300	0.00300	1	09/01/2015 10:42	WG812320
Diethyl phthalate	U		0.000282	0.00300	0.00300	1	09/01/2015 10:42	WG812320
Dimethyl phthalate	U		0.000283	0.00300	0.00300	1	09/01/2015 10:42	WG812320
Di-n-octyl phthalate	0.000606	J	0.000278	0.00300	0.00300	1	09/01/2015 10:42	WG812320
Pyrene	U		0.000330	0.00100	0.00100	1	09/01/2015 10:42	WG812320
1,2,4-Trichlorobenzene	U		0.000355	0.0100	0.0100	1	09/01/2015 10:42	WG812320
4-Chloro-3-methylphenol	U		0.000263	0.0100	0.0100	1	09/01/2015 10:42	WG812320
2-Chlorophenol	U		0.000283	0.0100	0.0100	1	09/01/2015 10:42	WG812320
2,4-Dichlorophenol	U		0.000284	0.0100	0.0100	1	09/01/2015 10:42	WG812320
2,4-Dimethylphenol	U		0.000624	0.0100	0.0100	1	09/01/2015 10:42	WG812320
4,6-Dinitro-2-methylphenol	U		0.00262	0.0100	0.0100	1	09/01/2015 10:42	WG812320
2,4-Dinitrophenol	U	J3	0.00325	0.0100	0.0100	1	09/01/2015 10:42	WG812320
2-Nitrophenol	U		0.000320	0.0100	0.0100	1	09/01/2015 10:42	WG812320
2-Nitroaniline	U		0.00190	0.0100	0.0100	1	09/01/2015 10:42	WG812320
2-Methylphenol	U		0.000312	0.0100	0.0100	1	09/01/2015 10:42	WG812320
3&4-Methyl Phenol	U		0.000266	0.0100	0.0100	1	09/01/2015 10:42	WG812320
3-Nitroaniline	U		0.000308	0.0100	0.0100	1	09/01/2015 10:42	WG812320
4-Chloroaniline	U		0.000382	0.0100	0.0100	1	09/01/2015 10:42	WG812320
4-Nitroaniline	U		0.000349	0.0100	0.0100	1	09/01/2015 10:42	WG812320
4-Nitrophenol	U	J3	0.00201	0.0100	0.0100	1	09/01/2015 10:42	WG812320
Pentachlorophenol	U		0.000313	0.0100	0.0100	1	09/01/2015 10:42	WG812320
Phenol	U		0.000334	0.0100	0.0100	1	09/01/2015 10:42	WG812320
2,4,5-Trichlorophenol	U		0.000236	0.0100	0.0100	1	09/01/2015 10:42	WG812320
2,4,6-Trichlorophenol	U		0.000297	0.0100	0.0100	1	09/01/2015 10:42	WG812320
(S) 2-Fluorophenol	60.4				10.0-77.9		09/01/2015 10:42	WG812320
(S) Phenol-d5	49.9				5.00-70.1		09/01/2015 10:42	WG812320
(S) Nitrobenzene-d5	80.5				21.8-123		09/01/2015 10:42	WG812320
(S) 2-Fluorobiphenyl	77.4				29.5-131		09/01/2015 10:42	WG812320
(S) 2,4,6-Tribromophenol	95.9				11.2-130		09/01/2015 10:42	WG812320
(S) p-Terphenyl-d14	89.6				29.3-137		09/01/2015 10:42	WG812320

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	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Dissolved Solids	520		2.82	10.0	10.0	1	08/29/2015 14:10	WG812093

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Alkalinity	205		2.61	20.0	20.0	1	08/31/2015 13:25	WG812024

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Nitrate-Nitrite	1.88		0.0197	0.100	0.100	1	09/01/2015 10:40	WG812181

Wet Chemistry by Method 9040C

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	su			date / time	
pH	7.32		1	08/29/2015 11:02	WG812161

Sample Narrative:

9040C L785444-14 WG812161: 7.32 at 19.4c

Wet Chemistry by Method 9050A

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	umhos/cm			date / time	
Specific Conductance	632		1	09/01/2015 11:53	WG812578

Wet Chemistry by Method 9056

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Chloride	27.3		0.0519	1.00	1.00	1	09/04/2015 14:35	WG813483
Fluoride	1.55		0.00990	0.100	0.100	1	09/04/2015 14:35	WG813483
Sulfate	77.6		0.0774	5.00	5.00	1	09/04/2015 14:35	WG813483

Mercury by Method 7470A

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Mercury	U		0.0000490	0.000200	0.000200	1	08/28/2015 19:05	WG811966

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Aluminum,Dissolved	U		0.0350	0.200	0.200	1	09/01/2015 09:38	WG812466
Boron,Dissolved	0.166	J	0.0126	0.200	0.200	1	09/01/2015 09:38	WG812466
Calcium,Dissolved	23.1		0.0463	1.00	1.00	1	09/01/2015 09:38	WG812466
Iron,Dissolved	U		0.0141	0.100	0.100	1	09/01/2015 09:38	WG812466
Magnesium,Dissolved	2.51		0.0111	1.00	1.00	1	09/01/2015 09:38	WG812466
Molybdenum,Dissolved	U		0.00160	0.00500	0.00500	1	09/01/2015 09:38	WG812466
Potassium,Dissolved	1.98		0.102	1.00	1.00	1	09/01/2015 09:38	WG812466
Sodium,Dissolved	122		0.0985	1.00	1.00	1	09/01/2015 09:38	WG812466



Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Arsenic,Dissolved	0.0195		0.000250	0.00200	0.00200	1	09/03/2015 08:00	WG812713
Barium,Dissolved	0.0529		0.000360	0.00500	0.00500	1	09/03/2015 08:00	WG812713
Cadmium,Dissolved	U		0.000160	0.00100	0.00100	1	09/03/2015 08:00	WG812713
Chromium,Dissolved	0.000912	U	0.000540	0.00200	0.00200	1	09/03/2015 08:00	WG812713
Copper,Dissolved	0.00101	U	0.000520	0.00500	0.00500	1	09/03/2015 08:00	WG812713
Cobalt,Dissolved	U		0.000260	0.00200	0.00200	1	09/03/2015 08:00	WG812713
Lead,Dissolved	U		0.000240	0.00200	0.00200	1	09/03/2015 08:00	WG812713
Manganese,Dissolved	0.000572	U	0.000250	0.00500	0.00500	1	09/03/2015 08:00	WG812713
Nickel,Dissolved	0.000483	U	0.000350	0.00200	0.00200	1	09/03/2015 08:00	WG812713
Selenium,Dissolved	0.00269		0.000380	0.00200	0.00200	1	09/03/2015 08:00	WG812713
Silver,Dissolved	U		0.000310	0.00200	0.00200	1	09/03/2015 08:00	WG812713
Uranium,Dissolved	0.000567	U	0.000330	0.0100	0.0100	1	09/03/2015 08:00	WG812713
Zinc,Dissolved	0.00296	U	0.00256	0.0250	0.0250	1	09/03/2015 08:00	WG812713

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

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

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0100	1.00	1.00	1	09/01/2015 19:31	WG812229
Benzene	U		0.000331	0.00100	0.00100	1	09/01/2015 19:31	WG812229
Bromodichloromethane	U		0.000380	0.00125	0.00125	1	09/01/2015 19:31	WG812229
Bromoform	U		0.000469	0.00100	0.00100	1	09/01/2015 19:31	WG812229
Bromomethane	U		0.000866	0.00500	0.00500	1	09/01/2015 19:31	WG812229
n-Butylbenzene	U		0.000361	0.00100	0.00100	1	09/01/2015 19:31	WG812229
sec-Butylbenzene	U		0.000365	0.00100	0.00100	1	09/01/2015 19:31	WG812229
tert-Butylbenzene	U		0.000399	0.00100	0.00100	1	09/01/2015 19:31	WG812229
Carbon disulfide	U		0.000275	0.00100	0.00100	1	09/01/2015 19:31	WG812229
Carbon tetrachloride	U		0.000379	0.00100	0.00100	1	09/01/2015 19:31	WG812229
Chlorobenzene	U		0.000348	0.00100	0.00100	1	09/01/2015 19:31	WG812229
Chlorodibromomethane	U		0.000327	0.00100	0.00100	1	09/01/2015 19:31	WG812229
Chloroethane	U		0.000453	0.00500	0.00500	1	09/01/2015 19:31	WG812229
Chloroform	U		0.000324	0.00500	0.00500	1	09/01/2015 19:31	WG812229
Chloromethane	U		0.000276	0.00250	0.00250	1	09/01/2015 19:31	WG812229
1,2-Dibromoethane	U		0.000381	0.00100	0.00100	1	09/01/2015 19:31	WG812229
1,1-Dichloroethane	U		0.000259	0.00100	0.00100	1	09/01/2015 19:31	WG812229
1,2-Dichloroethane	U		0.000361	0.00100	0.00100	1	09/01/2015 19:31	WG812229
1,1-Dichloroethene	U		0.000398	0.00100	0.00100	1	09/01/2015 19:31	WG812229
cis-1,2-Dichloroethene	U		0.000260	0.00100	0.00100	1	09/01/2015 19:31	WG812229
trans-1,2-Dichloroethene	U		0.000396	0.00100	0.00100	1	09/01/2015 19:31	WG812229
1,2-Dichloropropane	U		0.000306	0.00100	0.00100	1	09/01/2015 19:31	WG812229
cis-1,3-Dichloropropene	U		0.000418	0.00100	0.00100	1	09/01/2015 19:31	WG812229
trans-1,3-Dichloropropene	U		0.000419	0.00100	0.00100	1	09/01/2015 19:31	WG812229
Ethylbenzene	U		0.000384	0.00100	0.00100	1	09/01/2015 19:31	WG812229
Hexachloro-1,3-butadiene	U		0.000256	0.00100	0.00100	1	09/01/2015 19:31	WG812229
2-Hexanone	U		0.00382	0.0100	0.0100	1	09/01/2015 19:31	WG812229
Isopropylbenzene	U		0.000326	0.00100	0.00100	1	09/01/2015 19:31	WG812229
p-Isopropyltoluene	U		0.000350	0.00100	0.00100	1	09/01/2015 19:31	WG812229
2-Butanone (MEK)	U		0.00393	0.0100	0.0100	1	09/01/2015 19:31	WG812229
Methylene Chloride	0.00150	U	0.00100	0.00500	0.00500	1	09/01/2015 19:31	WG812229
4-Methyl-2-pentanone (MIBK)	U		0.00214	0.0100	0.0100	1	09/01/2015 19:31	WG812229
Methyl tert-butyl ether	U		0.000367	0.00100	0.00100	1	09/01/2015 19:31	WG812229
Naphthalene	U		0.00100	0.00500	0.00500	1	09/01/2015 19:31	WG812229
n-Propylbenzene	U		0.000349	0.00100	0.00100	1	09/01/2015 19:31	WG812229
Styrene	U		0.000307	0.00100	0.00100	1	09/01/2015 19:31	WG812229
1,1,2,2-Tetrachloroethane	U		0.000130	0.00100	0.00100	1	09/01/2015 19:31	WG812229
Tetrachloroethene	U		0.000372	0.00100	0.00100	1	09/01/2015 19:31	WG812229
Toluene	U		0.000780	0.00500	0.00500	1	09/01/2015 19:31	WG812229



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

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
1,1,1-Trichloroethane	U		0.000319	0.00100	0.00100	1	09/01/2015 19:31	WG812229
1,1,2-Trichloroethane	U		0.000383	0.00100	0.00100	1	09/01/2015 19:31	WG812229
Trichloroethene	U		0.000398	0.00100	0.00100	1	09/01/2015 19:31	WG812229
1,2,4-Trimethylbenzene	U		0.000373	0.00100	0.00100	1	09/01/2015 19:31	WG812229
1,3,5-Trimethylbenzene	U		0.000387	0.00100	0.00100	1	09/01/2015 19:31	WG812229
Vinyl chloride	U		0.000259	0.00100	0.00100	1	09/01/2015 19:31	WG812229
Xylenes, Total	U		0.00106	0.00300	0.00300	1	09/01/2015 19:31	WG812229
(S) Toluene-d8	99.9				90.0-115		09/01/2015 19:31	WG812229
(S) Dibromofluoromethane	100				79.0-121		09/01/2015 19:31	WG812229
(S) 4-Bromofluorobenzene	92.4				80.1-120		09/01/2015 19:31	WG812229

Semi Volatile Organic Compounds (GC/MS) by Method 8270 C

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.000316	0.00100	0.00100	1	09/01/2015 11:06	WG812320
Acenaphthylene	U		0.000309	0.00100	0.00100	1	09/01/2015 11:06	WG812320
Acetophenone	U		0.00247	0.0100	0.0100	1	09/01/2015 11:06	WG812320
Anthracene	U		0.000291	0.00100	0.00100	1	09/01/2015 11:06	WG812320
Atrazine	U		0.000260	0.0100	0.0100	1	09/01/2015 11:06	WG812320
Benzo(a)anthracene	U		0.0000510	0.00100	0.00100	1	09/01/2015 11:06	WG812320
Benzaldehyde	U		0.00140	0.0100	0.0100	1	09/01/2015 11:06	WG812320
Benzo(b)fluoranthene	U		0.0000896	0.00100	0.00100	1	09/01/2015 11:06	WG812320
Benzo(k)fluoranthene	U		0.000355	0.00100	0.00100	1	09/01/2015 11:06	WG812320
Benzo(g,h,i)perylene	U		0.00000227	0.00100	0.00100	1	09/01/2015 11:06	WG812320
Benzo(a)pyrene	U		0.0000381	0.000200	0.000200	1	09/01/2015 11:06	WG812320
Biphenyl	U		0.000325	0.0100	0.0100	1	09/01/2015 11:06	WG812320
Bis(2-chlorethoxy)methane	U		0.000329	0.0100	0.0100	1	09/01/2015 11:06	WG812320
Bis(2-chloroethyl)ether	U		0.00162	0.0100	0.0100	1	09/01/2015 11:06	WG812320
Bis(2-chloroisopropyl)ether	U		0.000445	0.0100	0.0100	1	09/01/2015 11:06	WG812320
4-Bromophenyl-phenylether	U		0.000335	0.0100	0.0100	1	09/01/2015 11:06	WG812320
2-Chloronaphthalene	U		0.000330	0.00100	0.00100	1	09/01/2015 11:06	WG812320
4-Chlorophenyl-phenylether	U		0.000303	0.0100	0.0100	1	09/01/2015 11:06	WG812320
Caprolactam	U		0.00259	0.0100	0.0100	1	09/01/2015 11:06	WG812320
Carbazole	U		0.000260	0.0100	0.0100	1	09/01/2015 11:06	WG812320
Chrysene	U		0.000332	0.00100	0.00100	1	09/01/2015 11:06	WG812320
Dibenz(a,h)anthracene	U		0.0000644	0.000200	0.000200	1	09/01/2015 11:06	WG812320
Dibenzofuran	U		0.000338	0.0100	0.0100	1	09/01/2015 11:06	WG812320
3,3-Dichlorobenzidine	U		0.00202	0.0100	0.0100	1	09/01/2015 11:06	WG812320
2,4-Dinitrotoluene	U		0.00165	0.0100	0.0100	1	09/01/2015 11:06	WG812320
2,6-Dinitrotoluene	U		0.000279	0.0100	0.0100	1	09/01/2015 11:06	WG812320
Fluoranthene	U		0.000310	0.00100	0.00100	1	09/01/2015 11:06	WG812320
Fluorene	U		0.000323	0.00100	0.00100	1	09/01/2015 11:06	WG812320
Hexachlorobenzene	U		0.000341	0.00100	0.00100	1	09/01/2015 11:06	WG812320
Hexachloro-1,3-butadiene	U		0.000329	0.0100	0.0100	1	09/01/2015 11:06	WG812320
Hexachlorocyclopentadiene	U		0.00233	0.0100	0.0100	1	09/01/2015 11:06	WG812320
Hexachloroethane	U		0.000365	0.0100	0.0100	1	09/01/2015 11:06	WG812320
Indeno(1,2,3-cd)pyrene	U		0.000279	0.00100	0.00100	1	09/01/2015 11:06	WG812320
Isophorone	U		0.000272	0.0100	0.0100	1	09/01/2015 11:06	WG812320
1-Methylnaphthalene	U		0.000332	0.00100	0.00100	1	09/01/2015 11:06	WG812320
2-Methylnaphthalene	U		0.000311	0.00100	0.00100	1	09/01/2015 11:06	WG812320
Naphthalene	U		0.000372	0.00100	0.00100	1	09/01/2015 11:06	WG812320
Nitrobenzene	U		0.000367	0.0100	0.0100	1	09/01/2015 11:06	WG812320
n-Nitrosodiphenylamine	U		0.000304	0.0100	0.0100	1	09/01/2015 11:06	WG812320
n-Nitrosodi-n-propylamine	U		0.000403	0.0100	0.0100	1	09/01/2015 11:06	WG812320
Phenanthrene	U		0.000366	0.00100	0.00100	1	09/01/2015 11:06	WG812320
Benzylbutyl phthalate	U		0.000275	0.00300	0.00300	1	09/01/2015 11:06	WG812320

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Collected date/time: 08/26/15 12:23

L785444

Semi Volatile Organic Compounds (GC/MS) by Method 8270 C

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Bis(2-ethylhexyl)phthalate	0.00189	J	0.000709	0.00300	0.00300	1	09/01/2015 11:06	WG812320
Di-n-butyl phthalate	U		0.000266	0.00300	0.00300	1	09/01/2015 11:06	WG812320
Diethyl phthalate	U		0.000282	0.00300	0.00300	1	09/01/2015 11:06	WG812320
Dimethyl phthalate	U		0.000283	0.00300	0.00300	1	09/01/2015 11:06	WG812320
Di-n-octyl phthalate	0.000569	J	0.000278	0.00300	0.00300	1	09/01/2015 11:06	WG812320
Pyrene	U		0.000330	0.00100	0.00100	1	09/01/2015 11:06	WG812320
1,2,4-Trichlorobenzene	U		0.000355	0.0100	0.0100	1	09/01/2015 11:06	WG812320
4-Chloro-3-methylphenol	U		0.000263	0.0100	0.0100	1	09/01/2015 11:06	WG812320
2-Chlorophenol	U		0.000283	0.0100	0.0100	1	09/01/2015 11:06	WG812320
2,4-Dichlorophenol	U		0.000284	0.0100	0.0100	1	09/01/2015 11:06	WG812320
2,4-Dimethylphenol	U		0.000624	0.0100	0.0100	1	09/01/2015 11:06	WG812320
4,6-Dinitro-2-methylphenol	U		0.00262	0.0100	0.0100	1	09/01/2015 11:06	WG812320
2,4-Dinitrophenol	U	J3	0.00325	0.0100	0.0100	1	09/01/2015 11:06	WG812320
2-Nitrophenol	U		0.000320	0.0100	0.0100	1	09/01/2015 11:06	WG812320
2-Nitroaniline	U		0.00190	0.0100	0.0100	1	09/01/2015 11:06	WG812320
2-Methylphenol	U		0.000312	0.0100	0.0100	1	09/01/2015 11:06	WG812320
3&4-Methyl Phenol	U		0.000266	0.0100	0.0100	1	09/01/2015 11:06	WG812320
3-Nitroaniline	U		0.000308	0.0100	0.0100	1	09/01/2015 11:06	WG812320
4-Chloroaniline	U		0.000382	0.0100	0.0100	1	09/01/2015 11:06	WG812320
4-Nitroaniline	U		0.000349	0.0100	0.0100	1	09/01/2015 11:06	WG812320
4-Nitrophenol	U	J3	0.00201	0.0100	0.0100	1	09/01/2015 11:06	WG812320
Pentachlorophenol	U		0.000313	0.0100	0.0100	1	09/01/2015 11:06	WG812320
Phenol	U		0.000334	0.0100	0.0100	1	09/01/2015 11:06	WG812320
2,4,5-Trichlorophenol	U		0.000236	0.0100	0.0100	1	09/01/2015 11:06	WG812320
2,4,6-Trichlorophenol	U		0.000297	0.0100	0.0100	1	09/01/2015 11:06	WG812320
(S) 2-Fluorophenol	53.2				10.0-77.9		09/01/2015 11:06	WG812320
(S) Phenol-d5	37.4				5.00-70.1		09/01/2015 11:06	WG812320
(S) Nitrobenzene-d5	72.2				21.8-123		09/01/2015 11:06	WG812320
(S) 2-Fluorobiphenyl	76.4				29.5-131		09/01/2015 11:06	WG812320
(S) 2,4,6-Tribromophenol	79.3				11.2-130		09/01/2015 11:06	WG812320
(S) p-Terphenyl-d14	83.2				29.3-137		09/01/2015 11:06	WG812320

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	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Dissolved Solids	495		2.82	10.0	10.0	1	08/29/2015 14:08	WG812093

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Alkalinity	197		2.61	20.0	20.0	1	08/31/2015 13:25	WG812024

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Nitrate-Nitrite	4.17		0.0197	0.100	0.100	1	09/01/2015 10:41	WG812181

Wet Chemistry by Method 9040C

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	su			date / time	
pH	7.13		1	08/29/2015 11:02	WG812161

Sample Narrative:

9040C L785444-15 WG812161: 7.13 at 19.6c

Wet Chemistry by Method 9050A

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	umhos/cm			date / time	
Specific Conductance	678		1	09/01/2015 11:53	WG812578

Wet Chemistry by Method 9056

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Chloride	46.6		0.0519	1.00	1.00	1	09/03/2015 10:08	WG812887
Fluoride	0.527		0.00990	0.100	0.100	1	09/03/2015 10:08	WG812887
Sulfate	67.5		0.0774	5.00	5.00	1	09/03/2015 10:08	WG812887

Mercury by Method 7470A

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Mercury	U		0.0000490	0.000200	0.000200	1	08/28/2015 19:07	WG811966

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Aluminum,Dissolved	U		0.0350	0.200	0.200	1	09/01/2015 09:41	WG812466
Boron,Dissolved	0.163	J	0.0126	0.200	0.200	1	09/01/2015 09:41	WG812466
Calcium,Dissolved	59.6		0.0463	1.00	1.00	1	09/01/2015 09:41	WG812466
Iron,Dissolved	U		0.0141	0.100	0.100	1	09/01/2015 09:41	WG812466
Magnesium,Dissolved	6.65		0.0111	1.00	1.00	1	09/01/2015 09:41	WG812466
Molybdenum,Dissolved	U		0.00160	0.00500	0.00500	1	09/01/2015 09:41	WG812466
Potassium,Dissolved	2.65		0.102	1.00	1.00	1	09/01/2015 09:41	WG812466
Sodium,Dissolved	80.3		0.0985	1.00	1.00	1	09/01/2015 09:41	WG812466



Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Arsenic,Dissolved	0.00744		0.000250	0.00200	0.00200	1	09/03/2015 08:02	WG812713
Barium,Dissolved	0.108		0.000360	0.00500	0.00500	1	09/03/2015 08:02	WG812713
Cadmium,Dissolved	U		0.000160	0.00100	0.00100	1	09/03/2015 08:02	WG812713
Chromium,Dissolved	U		0.000540	0.00200	0.00200	1	09/03/2015 08:02	WG812713
Copper,Dissolved	0.000626	U	0.000520	0.00500	0.00500	1	09/03/2015 08:02	WG812713
Cobalt,Dissolved	U		0.000260	0.00200	0.00200	1	09/03/2015 08:02	WG812713
Lead,Dissolved	U		0.000240	0.00200	0.00200	1	09/03/2015 08:02	WG812713
Manganese,Dissolved	U		0.000250	0.00500	0.00500	1	09/03/2015 08:02	WG812713
Nickel,Dissolved	0.000566	U	0.000350	0.00200	0.00200	1	09/03/2015 08:02	WG812713
Selenium,Dissolved	0.00297		0.000380	0.00200	0.00200	1	09/03/2015 08:02	WG812713
Silver,Dissolved	U		0.000310	0.00200	0.00200	1	09/03/2015 08:02	WG812713
Uranium,Dissolved	0.00285	U	0.000330	0.0100	0.0100	1	09/03/2015 08:02	WG812713
Zinc,Dissolved	0.00258	U	0.00256	0.0250	0.0250	1	09/03/2015 08:02	WG812713

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 mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0100	1.00	1.00	1	09/01/2015 19:51	WG812229
Benzene	U		0.000331	0.00100	0.00100	1	09/01/2015 19:51	WG812229
Bromodichloromethane	U		0.000380	0.00125	0.00125	1	09/01/2015 19:51	WG812229
Bromoform	U		0.000469	0.00100	0.00100	1	09/01/2015 19:51	WG812229
Bromomethane	U		0.000866	0.00500	0.00500	1	09/01/2015 19:51	WG812229
n-Butylbenzene	U		0.000361	0.00100	0.00100	1	09/01/2015 19:51	WG812229
sec-Butylbenzene	U		0.000365	0.00100	0.00100	1	09/01/2015 19:51	WG812229
tert-Butylbenzene	U		0.000399	0.00100	0.00100	1	09/01/2015 19:51	WG812229
Carbon disulfide	U		0.000275	0.00100	0.00100	1	09/01/2015 19:51	WG812229
Carbon tetrachloride	U		0.000379	0.00100	0.00100	1	09/01/2015 19:51	WG812229
Chlorobenzene	U		0.000348	0.00100	0.00100	1	09/01/2015 19:51	WG812229
Chlorodibromomethane	U		0.000327	0.00100	0.00100	1	09/01/2015 19:51	WG812229
Chloroethane	U		0.000453	0.00500	0.00500	1	09/01/2015 19:51	WG812229
Chloroform	U		0.000324	0.00500	0.00500	1	09/01/2015 19:51	WG812229
Chloromethane	U		0.000276	0.00250	0.00250	1	09/01/2015 19:51	WG812229
1,2-Dibromoethane	U		0.000381	0.00100	0.00100	1	09/01/2015 19:51	WG812229
1,1-Dichloroethane	U		0.000259	0.00100	0.00100	1	09/01/2015 19:51	WG812229
1,2-Dichloroethane	U		0.000361	0.00100	0.00100	1	09/01/2015 19:51	WG812229
1,1-Dichloroethene	U		0.000398	0.00100	0.00100	1	09/01/2015 19:51	WG812229
cis-1,2-Dichloroethene	U		0.000260	0.00100	0.00100	1	09/01/2015 19:51	WG812229
trans-1,2-Dichloroethene	U		0.000396	0.00100	0.00100	1	09/01/2015 19:51	WG812229
1,2-Dichloropropane	U		0.000306	0.00100	0.00100	1	09/01/2015 19:51	WG812229
cis-1,3-Dichloropropene	U		0.000418	0.00100	0.00100	1	09/01/2015 19:51	WG812229
trans-1,3-Dichloropropene	U		0.000419	0.00100	0.00100	1	09/01/2015 19:51	WG812229
Ethylbenzene	U		0.000384	0.00100	0.00100	1	09/01/2015 19:51	WG812229
Hexachloro-1,3-butadiene	U		0.000256	0.00100	0.00100	1	09/01/2015 19:51	WG812229
2-Hexanone	U		0.00382	0.0100	0.0100	1	09/01/2015 19:51	WG812229
Isopropylbenzene	U		0.000326	0.00100	0.00100	1	09/01/2015 19:51	WG812229
p-Isopropyltoluene	U		0.000350	0.00100	0.00100	1	09/01/2015 19:51	WG812229
2-Butanone (MEK)	U		0.00393	0.0100	0.0100	1	09/01/2015 19:51	WG812229
Methylene Chloride	0.00149	U	0.00100	0.00500	0.00500	1	09/01/2015 19:51	WG812229
4-Methyl-2-pentanone (MIBK)	U		0.00214	0.0100	0.0100	1	09/01/2015 19:51	WG812229
Methyl tert-butyl ether	U		0.000367	0.00100	0.00100	1	09/01/2015 19:51	WG812229
Naphthalene	U		0.00100	0.00500	0.00500	1	09/01/2015 19:51	WG812229
n-Propylbenzene	U		0.000349	0.00100	0.00100	1	09/01/2015 19:51	WG812229
Styrene	U		0.000307	0.00100	0.00100	1	09/01/2015 19:51	WG812229
1,1,2,2-Tetrachloroethane	U		0.000130	0.00100	0.00100	1	09/01/2015 19:51	WG812229
Tetrachloroethene	U		0.000372	0.00100	0.00100	1	09/01/2015 19:51	WG812229
Toluene	U		0.000780	0.00500	0.00500	1	09/01/2015 19:51	WG812229

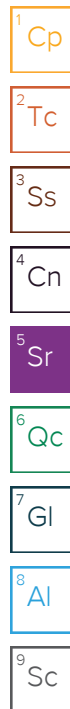


Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
1,1,1-Trichloroethane	U		0.000319	0.00100	0.00100	1	09/01/2015 19:51	WG812229
1,1,2-Trichloroethane	U		0.000383	0.00100	0.00100	1	09/01/2015 19:51	WG812229
Trichloroethene	U		0.000398	0.00100	0.00100	1	09/01/2015 19:51	WG812229
1,2,4-Trimethylbenzene	U		0.000373	0.00100	0.00100	1	09/01/2015 19:51	WG812229
1,3,5-Trimethylbenzene	U		0.000387	0.00100	0.00100	1	09/01/2015 19:51	WG812229
Vinyl chloride	U		0.000259	0.00100	0.00100	1	09/01/2015 19:51	WG812229
Xylenes, Total	U		0.00106	0.00300	0.00300	1	09/01/2015 19:51	WG812229
(S) Toluene-d8	101				90.0-115		09/01/2015 19:51	WG812229
(S) Dibromofluoromethane	101				79.0-121		09/01/2015 19:51	WG812229
(S) 4-Bromofluorobenzene	96.5				80.1-120		09/01/2015 19:51	WG812229

Semi Volatile Organic Compounds (GC/MS) by Method 8270 C

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.000316	0.00100	0.00100	1	09/01/2015 11:29	WG812320
Acenaphthylene	U		0.000309	0.00100	0.00100	1	09/01/2015 11:29	WG812320
Acetophenone	U		0.00247	0.0100	0.0100	1	09/01/2015 11:29	WG812320
Anthracene	U		0.000291	0.00100	0.00100	1	09/01/2015 11:29	WG812320
Atrazine	U		0.000260	0.0100	0.0100	1	09/01/2015 11:29	WG812320
Benzo(a)anthracene	U		0.0000510	0.00100	0.00100	1	09/01/2015 11:29	WG812320
Benzaldehyde	U		0.00140	0.0100	0.0100	1	09/01/2015 11:29	WG812320
Benzo(b)fluoranthene	U		0.0000896	0.00100	0.00100	1	09/01/2015 11:29	WG812320
Benzo(k)fluoranthene	U		0.000355	0.00100	0.00100	1	09/01/2015 11:29	WG812320
Benzo(g,h,i)perylene	U		0.00000227	0.00100	0.00100	1	09/01/2015 11:29	WG812320
Benzo(a)pyrene	U		0.0000381	0.000200	0.000200	1	09/01/2015 11:29	WG812320
Biphenyl	U		0.000325	0.0100	0.0100	1	09/01/2015 11:29	WG812320
Bis(2-chlorethoxy)methane	U		0.000329	0.0100	0.0100	1	09/01/2015 11:29	WG812320
Bis(2-chloroethyl)ether	U		0.00162	0.0100	0.0100	1	09/01/2015 11:29	WG812320
Bis(2-chloroisopropyl)ether	U		0.000445	0.0100	0.0100	1	09/01/2015 11:29	WG812320
4-Bromophenyl-phenylether	U		0.000335	0.0100	0.0100	1	09/01/2015 11:29	WG812320
2-Chloronaphthalene	U		0.000330	0.00100	0.00100	1	09/01/2015 11:29	WG812320
4-Chlorophenyl-phenylether	U		0.000303	0.0100	0.0100	1	09/01/2015 11:29	WG812320
Caprolactam	U		0.00259	0.0100	0.0100	1	09/01/2015 11:29	WG812320
Carbazole	U		0.000260	0.0100	0.0100	1	09/01/2015 11:29	WG812320
Chrysene	U		0.000332	0.00100	0.00100	1	09/01/2015 11:29	WG812320
Dibenz(a,h)anthracene	U		0.0000644	0.000200	0.000200	1	09/01/2015 11:29	WG812320
Dibenzofuran	U		0.000338	0.0100	0.0100	1	09/01/2015 11:29	WG812320
3,3-Dichlorobenzidine	U		0.00202	0.0100	0.0100	1	09/01/2015 11:29	WG812320
2,4-Dinitrotoluene	U		0.00165	0.0100	0.0100	1	09/01/2015 11:29	WG812320
2,6-Dinitrotoluene	U		0.000279	0.0100	0.0100	1	09/01/2015 11:29	WG812320
Fluoranthene	U		0.000310	0.00100	0.00100	1	09/01/2015 11:29	WG812320
Fluorene	U		0.000323	0.00100	0.00100	1	09/01/2015 11:29	WG812320
Hexachlorobenzene	U		0.000341	0.00100	0.00100	1	09/01/2015 11:29	WG812320
Hexachloro-1,3-butadiene	U		0.000329	0.0100	0.0100	1	09/01/2015 11:29	WG812320
Hexachlorocyclopentadiene	U		0.00233	0.0100	0.0100	1	09/01/2015 11:29	WG812320
Hexachloroethane	U		0.000365	0.0100	0.0100	1	09/01/2015 11:29	WG812320
Indeno(1,2,3-cd)pyrene	U		0.000279	0.00100	0.00100	1	09/01/2015 11:29	WG812320
Isophorone	U		0.000272	0.0100	0.0100	1	09/01/2015 11:29	WG812320
1-Methylnaphthalene	U		0.000332	0.00100	0.00100	1	09/01/2015 11:29	WG812320
2-Methylnaphthalene	U		0.000311	0.00100	0.00100	1	09/01/2015 11:29	WG812320
Naphthalene	U		0.000372	0.00100	0.00100	1	09/01/2015 11:29	WG812320
Nitrobenzene	U		0.000367	0.0100	0.0100	1	09/01/2015 11:29	WG812320
n-Nitrosodiphenylamine	U		0.000304	0.0100	0.0100	1	09/01/2015 11:29	WG812320
n-Nitrosodi-n-propylamine	U		0.000403	0.0100	0.0100	1	09/01/2015 11:29	WG812320
Phenanthrene	U		0.000366	0.00100	0.00100	1	09/01/2015 11:29	WG812320
Benzylbutyl phthalate	U		0.000275	0.00300	0.00300	1	09/01/2015 11:29	WG812320





Collected date/time: 08/26/15 13:22

L785444

Semi Volatile Organic Compounds (GC/MS) by Method 8270 C

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Bis(2-ethylhexyl)phthalate	0.00863		0.000709	0.00300	0.00300	1	09/01/2015 11:29	WG812320
Di-n-butyl phthalate	0.00123	J	0.000266	0.00300	0.00300	1	09/01/2015 11:29	WG812320
Diethyl phthalate	U		0.000282	0.00300	0.00300	1	09/01/2015 11:29	WG812320
Dimethyl phthalate	U		0.000283	0.00300	0.00300	1	09/01/2015 11:29	WG812320
Di-n-octyl phthalate	0.000522	J	0.000278	0.00300	0.00300	1	09/01/2015 11:29	WG812320
Pyrene	U		0.000330	0.00100	0.00100	1	09/01/2015 11:29	WG812320
1,2,4-Trichlorobenzene	U		0.000355	0.0100	0.0100	1	09/01/2015 11:29	WG812320
4-Chloro-3-methylphenol	U		0.000263	0.0100	0.0100	1	09/01/2015 11:29	WG812320
2-Chlorophenol	U		0.000283	0.0100	0.0100	1	09/01/2015 11:29	WG812320
2,4-Dichlorophenol	U		0.000284	0.0100	0.0100	1	09/01/2015 11:29	WG812320
2,4-Dimethylphenol	U		0.000624	0.0100	0.0100	1	09/01/2015 11:29	WG812320
4,6-Dinitro-2-methylphenol	U		0.00262	0.0100	0.0100	1	09/01/2015 11:29	WG812320
2,4-Dinitrophenol	U	J3	0.00325	0.0100	0.0100	1	09/01/2015 11:29	WG812320
2-Nitrophenol	U		0.000320	0.0100	0.0100	1	09/01/2015 11:29	WG812320
2-Nitroaniline	U		0.00190	0.0100	0.0100	1	09/01/2015 11:29	WG812320
2-Methylphenol	U		0.000312	0.0100	0.0100	1	09/01/2015 11:29	WG812320
3&4-Methyl Phenol	U		0.000266	0.0100	0.0100	1	09/01/2015 11:29	WG812320
3-Nitroaniline	U		0.000308	0.0100	0.0100	1	09/01/2015 11:29	WG812320
4-Chloroaniline	U		0.000382	0.0100	0.0100	1	09/01/2015 11:29	WG812320
4-Nitroaniline	U		0.000349	0.0100	0.0100	1	09/01/2015 11:29	WG812320
4-Nitrophenol	U	J3	0.00201	0.0100	0.0100	1	09/01/2015 11:29	WG812320
Pentachlorophenol	U		0.000313	0.0100	0.0100	1	09/01/2015 11:29	WG812320
Phenol	U		0.000334	0.0100	0.0100	1	09/01/2015 11:29	WG812320
2,4,5-Trichlorophenol	U		0.000236	0.0100	0.0100	1	09/01/2015 11:29	WG812320
2,4,6-Trichlorophenol	U		0.000297	0.0100	0.0100	1	09/01/2015 11:29	WG812320
(S) 2-Fluorophenol	57.6				10.0-77.9		09/01/2015 11:29	WG812320
(S) Phenol-d5	39.8				5.00-70.1		09/01/2015 11:29	WG812320
(S) Nitrobenzene-d5	74.4				21.8-123		09/01/2015 11:29	WG812320
(S) 2-Fluorobiphenyl	77.7				29.5-131		09/01/2015 11:29	WG812320
(S) 2,4,6-Tribromophenol	93.9				11.2-130		09/01/2015 11:29	WG812320
(S) p-Terphenyl-d14	84.5				29.3-137		09/01/2015 11:29	WG812320

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



Collected date/time: 08/26/15 00:00

L785444

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

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Acetone	U		0.0100	1.00	1.00	1	09/01/2015 20:11	WG812229
Benzene	U		0.000331	0.00100	0.00100	1	09/01/2015 20:11	WG812229
Bromodichloromethane	U		0.000380	0.00125	0.00125	1	09/01/2015 20:11	WG812229
Bromoform	U		0.000469	0.00100	0.00100	1	09/01/2015 20:11	WG812229
Bromomethane	U		0.000866	0.00500	0.00500	1	09/01/2015 20:11	WG812229
n-Butylbenzene	U		0.000361	0.00100	0.00100	1	09/01/2015 20:11	WG812229
sec-Butylbenzene	U		0.000365	0.00100	0.00100	1	09/01/2015 20:11	WG812229
tert-Butylbenzene	U		0.000399	0.00100	0.00100	1	09/01/2015 20:11	WG812229
Carbon disulfide	U		0.000275	0.00100	0.00100	1	09/01/2015 20:11	WG812229
Carbon tetrachloride	U		0.000379	0.00100	0.00100	1	09/01/2015 20:11	WG812229
Chlorobenzene	U		0.000348	0.00100	0.00100	1	09/01/2015 20:11	WG812229
Chlorodibromomethane	U		0.000327	0.00100	0.00100	1	09/01/2015 20:11	WG812229
Chloroethane	U		0.000453	0.00500	0.00500	1	09/01/2015 20:11	WG812229
Chloroform	U		0.000324	0.00500	0.00500	1	09/01/2015 20:11	WG812229
Chloromethane	U		0.000276	0.00250	0.00250	1	09/01/2015 20:11	WG812229
1,2-Dibromoethane	U		0.000381	0.00100	0.00100	1	09/01/2015 20:11	WG812229
1,1-Dichloroethane	U		0.000259	0.00100	0.00100	1	09/01/2015 20:11	WG812229
1,2-Dichloroethane	U		0.000361	0.00100	0.00100	1	09/01/2015 20:11	WG812229
1,1-Dichloroethene	U		0.000398	0.00100	0.00100	1	09/01/2015 20:11	WG812229
cis-1,2-Dichloroethene	U		0.000260	0.00100	0.00100	1	09/01/2015 20:11	WG812229
trans-1,2-Dichloroethene	U		0.000396	0.00100	0.00100	1	09/01/2015 20:11	WG812229
1,2-Dichloropropane	U		0.000306	0.00100	0.00100	1	09/01/2015 20:11	WG812229
cis-1,3-Dichloropropene	U		0.000418	0.00100	0.00100	1	09/01/2015 20:11	WG812229
trans-1,3-Dichloropropene	U		0.000419	0.00100	0.00100	1	09/01/2015 20:11	WG812229
Ethylbenzene	U		0.000384	0.00100	0.00100	1	09/01/2015 20:11	WG812229
Hexachloro-1,3-butadiene	U		0.000256	0.00100	0.00100	1	09/01/2015 20:11	WG812229
2-Hexanone	U		0.00382	0.0100	0.0100	1	09/01/2015 20:11	WG812229
Isopropylbenzene	U		0.000326	0.00100	0.00100	1	09/01/2015 20:11	WG812229
p-Isopropyltoluene	U		0.000350	0.00100	0.00100	1	09/01/2015 20:11	WG812229
2-Butanone (MEK)	U		0.00393	0.0100	0.0100	1	09/01/2015 20:11	WG812229
Methylene Chloride	0.00135	J	0.00100	0.00500	0.00500	1	09/01/2015 20:11	WG812229
4-Methyl-2-pentanone (MIBK)	U		0.00214	0.0100	0.0100	1	09/01/2015 20:11	WG812229
Methyl tert-butyl ether	U		0.000367	0.00100	0.00100	1	09/01/2015 20:11	WG812229
Naphthalene	U		0.00100	0.00500	0.00500	1	09/01/2015 20:11	WG812229
n-Propylbenzene	U		0.000349	0.00100	0.00100	1	09/01/2015 20:11	WG812229
Styrene	U		0.000307	0.00100	0.00100	1	09/01/2015 20:11	WG812229
1,1,2,2-Tetrachloroethane	U		0.000130	0.00100	0.00100	1	09/01/2015 20:11	WG812229
Tetrachloroethene	U		0.000372	0.00100	0.00100	1	09/01/2015 20:11	WG812229
Toluene	U		0.000780	0.00500	0.00500	1	09/01/2015 20:11	WG812229
1,1,1-Trichloroethane	U		0.000319	0.00100	0.00100	1	09/01/2015 20:11	WG812229
1,1,2-Trichloroethane	U		0.000383	0.00100	0.00100	1	09/01/2015 20:11	WG812229
Trichloroethene	U		0.000398	0.00100	0.00100	1	09/01/2015 20:11	WG812229
1,2,4-Trimethylbenzene	U		0.000373	0.00100	0.00100	1	09/01/2015 20:11	WG812229
1,3,5-Trimethylbenzene	U		0.000387	0.00100	0.00100	1	09/01/2015 20:11	WG812229
Vinyl chloride	U		0.000259	0.00100	0.00100	1	09/01/2015 20:11	WG812229
Xylenes, Total	U		0.00106	0.00300	0.00300	1	09/01/2015 20:11	WG812229
(S) Toluene-d8	99.8				90.0-115		09/01/2015 20:11	WG812229
(S) Dibromofluoromethane	97.5				79.0-121		09/01/2015 20:11	WG812229
(S) 4-Bromofluorobenzene	93.8				80.1-120		09/01/2015 20:11	WG812229

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



[L785444-01,02,03](#)

<u>MB Qualifier</u>	MB MDL mg/l	MB RDL mg/l
	2.82	10.0

• Duplicate (DUP)

DUP Result mg/l	Dilution	DUP RPD %	<u>DUP Qualifier</u>	DUP RPD Limits %
749	1	0.133		5

Laboratory Control Sample Duplicate (LCSD)

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 %
8420	8290	95.7	94.2	85.0-115			1.56	5

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc



[L785444-04,05,06,07,08,09,10,11](#)

<u>MB Qualifier</u>	MB MDL mg/l	MB RDL mg/l
	2.82	10.0

• Duplicate (DUP)

DUP Result mg/l	Dilution	DUP RPD %	<u>DUP Qualifier</u>	DUP RPD Limits %
104000	1	4.64		5

Laboratory Control Sample Duplicate (LCSD)

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 %
8480	8480	96.4	96.4	85.0-115			0.000	5

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc



[L785444-12,13,14,15](#)

<u>MB Qualifier</u>	MB MDL mg/l	MB RDL mg/l
	2.82	10.0

• Duplicate (DUP)

DUP Result mg/l	Dilution	DUP RPD %	<u>DUP Qualifier</u>	DUP RPD Limits %
744	1	0.268		5

Laboratory Control Sample Duplicate (LCSD)

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 %
8800	8740	100	99.3	85.0-115			0.684	5

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc



L785444-01,02

MB Qualifier	MB MDL mg/l	MB RDL mg/l
	2.61	20.0

• Duplicate (DUP)

t	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
	450	10	11		20

• Duplicate (DUP)

t	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
	250	1	0.40		20

Laboratory Control Sample Duplicate (LCSD)

t	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
	113	111	113	111	85.0-115			1.79	20

Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

D) 08/31/15 08:09										
Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD	RPD Limits
mg/l	mg/l	mg/l	%	%		%			%	%
375	891	900	103	105	5	80.0-120			1.01	20

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc



[L785444-03,04,05,06,07,08,09,10,11,12,13,14,15](#)

<u>MB Qualifier</u>	MB MDL mg/l	MB RDL mg/l
	2.61	20.0

• Duplicate (DUP)

t	DUP Result mg/l	Dilution	DUP RPD %	<u>DUP Qualifier</u>	DUP RPD Limits %
	410	5	3.4		20

• Duplicate (DUP)

t	DUP Result mg/l	Dilution	DUP RPD %	<u>DUP Qualifier</u>	DUP RPD Limits %
	450	10	11		20

Laboratory Control Sample Duplicate (LCSD)

t	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 %
	107	109	107	109	85.0-115			1.85	20

• Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

08/31/15 13:25

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 %
490	1000	1010	102	104	5	80.0-120			0.995	20

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

PROJECT:
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SDG:
L785444

DATE/TIME:
09/08/15 14:21

PAGE:
74 of 102



L785444-01,02,03,04,05,06,07,08,09,10,11,12,13,14,15

MB Qualifier	MB MDL mg/l	MB RDL mg/l
	0.0197	0.100

Duplicate (DUP)

DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
2.0	1	1.0		20

Duplicate (DUP)

DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
4.3	1	1.0		20

Laboratory Control Sample Duplicate (LCSD)

LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
5.00	5.05	100	101	90.0-110			1.00	20

Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

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 %
0.115	5.36	5.35	105	105	1	90.0-110			0.000	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc



[L785444-01,02,03,04,05,06,07,08,09,10,11,12,13,14,15](#)

• Matrix Spike (MS)

Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>
2.95	8.09	103	1	90.0-110	

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc



[L785444-01,02,03,04,05,06,07,08,09,10,11,12,13,14,15](#)

Duplicate (DUP)

DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
su		%		%
6.6	1	0.15		1

¹Cp

²Tc

³Ss

Duplicate (DUP)

DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
su		%		%
8.0	1	0.25		1

⁴Cn

⁵Sr

⁶Qc

Laboratory Control Sample Duplicate (LCSD)

LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
su	su	%	%	%			%	%
6.45	6.45	101	115	98.2-102			0.000	20

⁷Gl

⁸Al

⁹Sc



[L785444-01,02,03,04,05,06,07,08,09,10,11,12,13](#)

<u>MB Qualifier</u>	MB MDL	MB RDL
	umhos/cm	umhos/cm

Duplicate (DUP)

t	DUP Result	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits
	umhos/cm		%		%
	430	1	0.00		20

Duplicate (DUP)

t	DUP Result	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits
	umhos/cm		%		%
	1000	1	0.00		20

Laboratory Control Sample Duplicate (LCSD)

LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD	RPD Limits
umhos/cm	umhos/cm	%	%	%			%	%
895	895	102	103	90.0-110			0.336	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc



L785444-14,15

<u>MB Qualifier</u>	MB MDL	MB RDL
	umhos/cm	umhos/cm

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Duplicate (DUP)

t	DUP Result	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits
	umhos/cm		%		%
	640	1	1.3		20

Duplicate (DUP)

t	DUP Result	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits
	umhos/cm		%		%
	880	1	0.00		20

Laboratory Control Sample Duplicate (LCSD)

t	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD	RPD Limits
	umhos/cm	umhos/cm	%	%	%			%	%
	891	891	102	102	90.0-110			0.000	20



L785444-01,02,03,04,05,06,07,08,09

<u>MB Qualifier</u>	MB MDL mg/l	MB RDL mg/l
	0.0519	1.00
	0.0099	0.100
	0.0774	5.00

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

• Duplicate (DUP)

t	DUP Result mg/l	Dilution	DUP RPD %	<u>DUP Qualifier</u>	DUP RPD Limits %
	19.8	1	1		20
	1.51	1	0		20
	39.9	1	0		20

• Duplicate (DUP)

t	DUP Result mg/l	Dilution	DUP RPD %	<u>DUP Qualifier</u>	DUP RPD Limits %
	25.5	1	0		20
	2.75	1	0		20
	43.2	1	0		20

Laboratory Control Sample Duplicate (LCSD)

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 %
39.4	39.4	98	98	90-110			0	20
7.84	7.81	98	98	90-110			0	20
39.9	40.3	100	101	90-110			1	20



L785444-01,02,03,04,05,06,07,08,09

• Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

09/03/15 13:26

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	%	%		%			%	%
19.8	69.2	69.0	99	98	1	80-120			0	20
1.02	5.72	6.00	94	100	1	80-120			5	20
71.1	116	116	90	89	1	80-120			0	20

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc



L785444-15

<u>MB Qualifier</u>	MB MDL mg/l	MB RDL mg/l
	0.0519	1.00
	0.0099	0.100
	0.0774	5.00

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Duplicate (DUP)

t	DUP Result mg/l	Dilution	DUP RPD %	<u>DUP Qualifier</u>	DUP RPD Limits %
	75.3	10	1		20
	1.06	10	4		20
	128	10	2		20

• Duplicate (DUP)

t	DUP Result mg/l	Dilution	DUP RPD %	<u>DUP Qualifier</u>	DUP RPD Limits %
	13.4	1	0		20
	0.000	1	0		20
	2.27	1	12	J	20

Laboratory Control Sample Duplicate (LCSD)

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 %
39.6	39.6	99	99	90-110			0	20
7.88	7.92	98	99	90-110			1	20
40.3	40.3	101	101	90-110			0	20

PROJECT:
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SDG:
L785444

DATE/TIME:
09/08/15 14:21

PAGE:
82 of 102



L785444-15

Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

09/03/15 13:49

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	%	%		%			%	%
100	583	590	97	98	10	80-120			1	20
1.39	47.6	48.2	92	94	10	80-120			1	20
69.8	559	566	98	99	10	80-120			1	20

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

QUALITY CONTROL SUMMARY

ONE LAB. NATIONWIDE.



[L785444-09,10,11,12,13,14](#)

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

<u>MB Qualifier</u>	MB MDL mg/l	MB RDL mg/l
	0.0519	1.00
	0.0099	0.100
	0.0774	5.00

• Duplicate (DUP)

t	DUP Result mg/l	Dilution	DUP RPD %	<u>DUP Qualifier</u>	DUP RPD Limits %
	323	50	3		20
	3.55	50	28	P1	20
	2920	50	0		20

Laboratory Control Sample Duplicate (LCSD)

	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 %
	40.3	40.3	101	101	90-110			0	20
	8.03	8.03	100	100	90-110			0	20
	40.5	40.4	101	101	90-110			0	20

• Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

09/04/15 12:43

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 %
77.2	121	121	87	87	1	80-120			0	20
0.259	5.55	5.58	106	106	1	80-120			0	20
20.6	73.8	73.8	107	106	1	80-120			0	20

PROJECT:
227000.0000.0000

SDG:
L785444

DATE/TIME:
09/08/15 14:21

PAGE:
84 of 102



L785444-01,02,03,04,05,06,07,08,09,10,11,12,13,14,15

MB Qualifier	MB MDL mg/l	MB RDL mg/l
	0.000049	0.000200

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Laboratory Control Sample Duplicate (LCSD)

LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
0.00287	0.00294	96	98	80-120			2	20

• Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

0) 08/28/15 18:03

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 %
ND	0.00222	0.00225	74	75	1	75-125	J6		1	20



L785444-01,02,03,04,05,06,07,08,09,10,11,12,13,14,15

MB Qualifier	MB MDL mg/l	MB RDL mg/l
	0.035	0.200
	0.0126	0.200
	0.0463	1.00
	0.0141	0.100
	0.0111	1.00
	0.0016	0.00500
	0.102	1.00
	0.0985	1.00

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Laboratory Control Sample Duplicate (LCSD)

LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
0.988	1.01	99	101	80-120			2	20
1.01	1.02	101	102	80-120			0	20
9.96	10.1	100	101	80-120			1	20
0.985	1.01	99	101	80-120			2	20
10.3	10.4	103	104	80-120			1	20
0.986	0.992	99	99	80-120			1	20
9.82	9.87	98	99	80-120			1	20
9.72	9.75	97	97	80-120			0	20

Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

D) 09/01/15 08:51										
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 %
0.0191	1.00	0.999	98	98	1	75-125			0	20
0.519	1.52	1.53	100	101	1	75-125			1	20
182	186	186	42	46	1	75-125	V	V	0	20
0.00983	0.976	0.978	97	97	1	75-125			0	20
75.6	81.9	82.2	63	66	1	75-125	V	V	0	20
0.00237	1.00	0.980	100	98	1	75-125			2	20
9.46	19.3	19.2	99	98	1	75-125			1	20
188	196	195	74	67	1	75-125	V	V	0	20



[L785444-01,02,03,04,05,06,07,08,09,10,11,12,13,14,15](#)

<u>MB Qualifier</u>	<u>MB MDL</u> mg/l	<u>MB RDL</u> mg/l
	0.00025	0.00200
	0.00036	0.00500
	0.00016	0.00100
	0.00054	0.00200
	0.00052	0.00500
	0.00026	0.00200
	0.00024	0.00200
	0.00025	0.00500
	0.00035	0.00200
	0.00038	0.00200
	0.00031	0.00200
	0.00033	0.0100
	0.00256	0.0250

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Laboratory Control Sample Duplicate (LCSD)

<u>LCS Result</u> mg/l	<u>LCSD Result</u> mg/l	<u>LCS Rec.</u> %	<u>LCSD Rec.</u> %	<u>Rec. Limits</u> %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	<u>RPD</u> %	<u>RPD Limits</u> %
0.0494	0.0489	99	98	80-120			1	20
0.0515	0.0516	103	103	80-120			0	20
0.0492	0.0492	98	98	80-120			0	20
0.0471	0.0467	94	93	80-120			1	20
0.0511	0.0494	102	99	80-120			3	20
0.0490	0.0484	98	97	80-120			1	20
0.0503	0.0502	101	100	80-120			0	20
0.0474	0.0473	95	95	80-120			0	20
0.0508	0.0504	102	101	80-120			1	20
0.0490	0.0494	98	99	80-120			1	20
0.0506	0.0503	101	101	80-120			0	20
0.0489	0.0489	98	98	80-120			0	20
0.0506	0.0491	101	98	80-120			3	20



[L785444-01,02,03,04,05,06,07,08,09,10,11,12,13,14,15](#)

• Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

09/03/15 01:25

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 %
0.000691	0.0500	0.0487	99	96	1	75-125			3	20
0.000145	0.0493	0.0497	98	99	1	75-125			1	20
0.00000853	0.0497	0.0485	99	97	1	75-125			2	20
0.000283	0.0461	0.0461	92	92	1	75-125			0	20
0.000285	0.0487	0.0491	97	98	1	75-125			1	20
0.0000107	0.0478	0.0483	96	97	1	75-125			1	20
0.000128	0.0493	0.0491	98	98	1	75-125			0	20
0.000161	0.0463	0.0464	92	93	1	75-125			0	20
0.000162	0.0494	0.0501	99	100	1	75-125			1	20
0.0000304	0.0490	0.0487	98	97	1	75-125			1	20
0.0000246	0.0492	0.0495	98	99	1	75-125			0	20
0.00000264	0.0485	0.0492	97	98	1	75-125			1	20
0.00205	0.0503	0.0514	97	99	1	75-125			2	20

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

PROJECT:
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SDG:
L785444

DATE/TIME:
09/08/15 14:21

PAGE:
88 of 102

QUALITY CONTROL SUMMARY

ONE LAB. NATIONWIDE.



Method 8260B

[L785444-01,02,03,04,05,06,07,08,09,10,11,12,13,14,15,16](#)

MB Qualifier	MB MDL	MB RDL	
	mg/l	mg/l	
	0.0100	1.00	¹ Cp
	0.000331	0.00100	² Tc
	0.000380	0.00125	³ Ss
	0.000469	0.00100	⁴ Cn
	0.000866	0.00500	⁵ Sr
	0.000361	0.00100	⁶ Qc
	0.000365	0.00100	⁷ Gl
	0.000399	0.00100	⁸ Al
	0.000275	0.00100	⁹ Sc
	0.000379	0.00100	
	0.000348	0.00100	
	0.000327	0.00100	
	0.000453	0.00500	
	0.000324	0.00500	
	0.000276	0.00250	
	0.000381	0.00100	
	0.000259	0.00100	
	0.000361	0.00100	
	0.000398	0.00100	
	0.000260	0.00100	
	0.000396	0.00100	
	0.000306	0.00100	
	0.000418	0.00100	
	0.000419	0.00100	
	0.000384	0.00100	
	0.000256	0.00100	
	0.00382	0.0100	
	0.000326	0.00100	
	0.000350	0.00100	
	0.00393	0.0100	
	0.00100	0.00500	
	0.00214	0.0100	
	0.000367	0.00100	
	0.00100	0.00500	
	0.000349	0.00100	
	0.000307	0.00100	

PROJECT:
227000.0000.0000

SDG:
L785444

DATE/TIME:
09/08/15 14:21

PAGE:
89 of 102

QUALITY CONTROL SUMMARY

ONE LAB. NATIONWIDE.



Method 8260B

[L785444-01,02,03,04,05,06,07,08,09,10,11,12,13,14,15,16](#)

<u>MB Qualifier</u>	<u>MB MDL</u> mg/l	<u>MB RDL</u> mg/l
	0.000130	0.00100
	0.000372	0.00100
	0.000780	0.00500
	0.000319	0.00100
	0.000383	0.00100
	0.000398	0.00100
	0.000373	0.00100
	0.000387	0.00100
	0.000259	0.00100
	0.00106	0.00300
		90.0-115
		79.0-121
		80.1-120

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

Laboratory Control Sample Duplicate (LCSD)

<u>LCS Result</u> mg/l	<u>LCSD Result</u> mg/l	<u>LCS Rec.</u> %	<u>LCSD Rec.</u> %	<u>Rec. Limits</u> %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	<u>RPD</u> %	<u>RPD Limits</u> %
0.156	0.152	125	121	28.7-175			3.04	20.9
0.0229	0.0227	91.8	90.8	73.0-122			1.07	20
0.0234	0.0233	93.6	93.3	75.5-121			0.250	20
0.0273	0.0270	109	108	71.5-131			1.07	20
0.0200	0.0197	80.1	78.9	22.4-187			1.52	20
0.0268	0.0266	107	106	75.9-134			0.850	20
0.0265	0.0264	106	106	80.6-126			0.410	20
0.0267	0.0271	107	108	79.3-127			1.25	20
0.0247	0.0245	98.7	98.1	53.0-134			0.600	20
0.0255	0.0252	102	101	70.9-129			1.21	20
0.0259	0.0261	104	104	79.7-122			0.650	20
0.0267	0.0274	107	109	78.2-124			2.66	20
0.0229	0.0228	91.6	91.3	41.2-153			0.250	20
0.0236	0.0235	94.3	93.8	73.2-125			0.480	20
0.0217	0.0218	87.0	87.3	55.8-134			0.450	20
0.0261	0.0264	104	106	79.8-122			1.23	20
0.0240	0.0241	96.1	96.2	71.7-127			0.0800	20

PROJECT:
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SDG:
L785444

DATE/TIME:
09/08/15 14:21

PAGE:
90 of 102

QUALITY CONTROL SUMMARY

ONE LAB. NATIONWIDE.



Method 8260B

[L785444-01,02,03,04,05,06,07,08,09,10,11,12,13,14,15,16](#)

Laboratory Control Sample Duplicate (LCSD)

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 %
0.0235	0.0233	93.8	93.4	65.3-126			0.510	20
0.0248	0.0247	99.0	99.0	59.9-137			0.0300	20
0.0239	0.0235	95.6	93.9	77.3-122			1.81	20
0.0243	0.0240	97.3	96.2	72.6-125			1.14	20
0.0242	0.0239	96.7	95.6	77.4-125			1.22	20
0.0242	0.0239	96.7	95.5	77.7-124			1.25	20
0.0239	0.0234	95.7	93.6	73.5-127			2.18	20
0.0250	0.0255	100	102	80.9-121			1.78	20
0.0295	0.0288	118	115	73.7-133			2.37	20
0.135	0.133	108	106	59.4-151			1.96	20
0.0257	0.0262	103	105	81.6-124			1.95	20
0.0270	0.0273	108	109	77.6-129			0.950	20
0.131	0.128	105	103	46.4-155			2.28	20
0.0228	0.0224	91.1	89.7	69.5-120			1.63	20
0.121	0.116	96.8	93.2	63.3-138			3.84	20
0.0241	0.0234	96.5	93.7	70.1-125			2.95	20
0.0274	0.0264	109	106	69.7-134			3.56	20
0.0257	0.0262	103	105	81.9-122			2.11	20
0.0256	0.0259	102	104	79.9-124			1.23	20
0.0253	0.0252	101	101	79.3-123			0.220	20
0.0269	0.0271	108	108	73.5-130			0.500	20
0.0227	0.0224	91.0	89.4	77.9-116			1.72	20
0.0244	0.0239	97.5	95.6	71.1-129			1.92	20
0.0246	0.0246	98.2	98.5	81.6-120			0.310	20
0.0256	0.0254	102	102	79.5-121			0.740	20
0.0253	0.0256	101	102	79.0-122			1.13	20
0.0263	0.0264	105	106	81.0-123			0.560	20
0.0236	0.0237	94.4	95.0	61.5-134			0.560	20
0.0742	0.0752	98.9	100	79.2-122			1.34	20
		97.9	96.6	90.0-115				
		99.3	98.5	79.0-121				
		95.5	97.1	80.1-120				

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

PROJECT:
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SDG:
L785444

DATE/TIME:
09/08/15 14:21

PAGE:
91 of 102

QUALITY CONTROL SUMMARY

ONE LAB. NATIONWIDE.



Method 8260B

[L785444-01,02,03,04,05,06,07,08,09,10,11,12,13,14,15,16](#)

• Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

09/01/15 14:31

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 %
ND	0.0783	0.0752	62.6	60.2	1	25.0-156			3.99	21.5
ND	0.0230	0.0227	92.1	90.8	1	58.6-133			1.38	20
ND	0.0233	0.0230	93.0	92.2	1	69.2-127			0.930	20
ND	0.0273	0.0267	109	107	1	66.3-140			2.15	20
ND	0.0180	0.0184	72.1	73.5	1	16.6-183			1.89	20.5
0.00188	0.0262	0.0265	97.4	98.5	1	64.8-145			1.04	20
0.00105	0.0256	0.0259	98.4	99.3	1	66.8-139			0.840	20
ND	0.0259	0.0259	103	104	1	67.1-138			0.220	20
ND	0.0231	0.0229	92.4	91.6	1	34.9-138			0.830	20
ND	0.0255	0.0254	102	101	1	60.6-139			0.470	20
ND	0.0252	0.0248	101	99.2	1	70.1-130			1.65	20
ND	0.0272	0.0264	109	106	1	71.6-132			2.91	20
ND	0.0220	0.0223	87.9	89.3	1	33.3-155			1.54	20
0.00225	0.0234	0.0232	84.7	83.9	1	66.1-133			0.810	20
ND	0.0219	0.0217	87.5	87.0	1	40.7-139			0.640	20
ND	0.0266	0.0261	106	104	1	73.8-131			1.90	20
ND	0.0241	0.0242	96.6	96.7	1	64.0-134			0.150	20
ND	0.0243	0.0240	97.1	95.9	1	60.7-132			1.29	20
ND	0.0249	0.0248	99.4	99.0	1	48.8-144			0.400	20
ND	0.0235	0.0235	94.2	93.9	1	60.6-136			0.330	20
ND	0.0233	0.0231	93.2	92.4	1	61.0-132			0.930	20
ND	0.0242	0.0242	96.7	96.9	1	69.7-130			0.200	20
ND	0.0241	0.0239	96.4	95.5	1	71.1-129			0.930	20
ND	0.0240	0.0236	96.0	94.4	1	66.3-136			1.75	20
ND	0.0247	0.0245	98.7	98.1	1	62.7-136			0.570	20
ND	0.0278	0.0280	111	112	1	61.1-144			0.530	20.1
ND	0.118	0.113	94.1	90.5	1	59.4-154			3.92	20.1
0.000377	0.0253	0.0250	99.7	98.4	1	67.4-136			1.28	20
0.00137	0.0261	0.0265	99.1	100	1	62.8-143			1.21	20
ND	0.107	0.102	85.6	82.0	1	45.0-156			4.27	20.8
0.00184	0.0233	0.0235	86.0	86.6	1	61.5-125			0.670	20
ND	0.130	0.126	104	101	1	60.7-150			3.42	20
ND	0.0247	0.0242	98.9	96.8	1	61.4-136			2.17	20
0.00112	0.0270	0.0268	103	103	1	61.8-143			0.530	20
0.000673	0.0253	0.0253	98.5	98.6	1	63.2-139			0.0600	20
ND	0.0252	0.0249	101	99.7	1	68.2-133			1.13	20

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

PROJECT:
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SDG:
L785444

DATE/TIME:
09/08/15 14:21

PAGE:
92 of 102

QUALITY CONTROL SUMMARY

ONE LAB. NATIONWIDE.



Method 8260B L785444-01,02,03,04,05,06,07,08,09,10,11,12,13,14,15,16

Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

09/01/15 14:31

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	%	%		%			%	%
ND	0.0272	0.0262	109	105	1	64.9-145			3.80	20
ND	0.0261	0.0257	104	103	1	57.4-141			1.45	20
ND	0.0226	0.0223	90.5	89.2	1	67.8-124			1.48	20
ND	0.0244	0.0240	97.8	95.9	1	58.7-134			1.96	20
ND	0.0251	0.0244	101	97.8	1	74.1-130			2.75	20
ND	0.0245	0.0244	98.1	97.4	1	48.9-148			0.730	20
0.000839	0.0247	0.0245	95.4	94.8	1	60.5-137			0.630	20
0.00105	0.0255	0.0252	97.8	96.5	1	67.9-134			1.26	20
ND	0.0234	0.0232	93.4	92.6	1	44.3-143			0.820	20
ND	0.0737	0.0728	98.2	97.0	1	65.6-133			1.23	20
			97.8	97.3		90.0-115				
			101	99.6		79.0-121				
			96.2	95.6		80.1-120				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

PROJECT:
227000.0000.0000

SDG:
L785444

DATE/TIME:
09/08/15 14:21

PAGE:
93 of 102

QUALITY CONTROL SUMMARY

ONE LAB. NATIONWIDE.



MS) by Method 8270 C

[L785444-01,02,03,04,05,06,07,08,09,10,11,12,13,14,15](#)

<u>MB Qualifier</u>	<u>MB MDL</u> mg/l	<u>MB RDL</u> mg/l	¹ Cp
	0.000316	0.00100	² Tc
	0.000309	0.00100	³ Ss
	0.00247	0.0100	⁴ Cn
	0.000291	0.00100	⁵ Sr
	0.000260	0.0100	⁶ Qc
	0.00140	0.0100	⁷ Gl
	0.0000510	0.00100	⁸ Al
	0.0000896	0.00100	⁹ Sc
	0.000355	0.00100	
	0.00000227	0.00100	
	0.0000381	0.000200	
	0.000325	0.0100	
	0.000329	0.0100	
	0.00162	0.0100	
	0.000445	0.0100	
	0.000335	0.0100	
	0.00259	0.0100	
	0.000260	0.0100	
	0.000382	0.0100	
	0.000330	0.00100	
	0.000303	0.0100	
	0.000332	0.00100	
	0.0000644	0.000200	
	0.000338	0.0100	
	0.00202	0.0100	
	0.00165	0.0100	
	0.000279	0.0100	
	0.000310	0.00100	
	0.000323	0.00100	
	0.000341	0.00100	
	0.000329	0.0100	
	0.00233	0.0100	
	0.000365	0.0100	
	0.000279	0.00100	
	0.000272	0.0100	
	0.000332	0.00100	

PROJECT:
227000.0000.0000

SDG:
L785444

DATE/TIME:
09/08/15 14:21

PAGE:
94 of 102

[L785444-01,02,03,04,05,06,07,08,09,10,11,12,13,14,15](#)

MB Qualifier	MB MDL mg/l	MB RDL mg/l
	0.000311	0.00100
	0.000372	0.00100
	0.00190	0.0100
	0.000308	0.0100
	0.000349	0.0100
	0.000367	0.0100
	0.000304	0.0100
	0.000403	0.0100
	0.000366	0.00100
	0.000275	0.00300
	0.000709	0.00300
	0.000266	0.00300
	0.000282	0.00300
	0.000283	0.00300
	0.000278	0.00300
	0.000330	0.00100
	0.000355	0.0100
	0.000263	0.0100
	0.000283	0.0100
	0.000312	0.0100
	0.000266	0.0100
	0.000284	0.0100
	0.000624	0.0100
	0.00262	0.0100
	0.00325	0.0100
	0.000320	0.0100
	0.00201	0.0100
	0.000313	0.0100
	0.000334	0.0100
	0.000236	0.0100
	0.000297	0.0100
		21.8-123
		29.5-131
		29.3-137
		5.00-70.1
		10.0-77.9

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

MB Qualifier	MB MDL	MB RDL
	mg/l	mg/l
		11.2-130

Laboratory Control Sample Duplicate (LCSD)

LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
mg/l	mg/l	%	%	%			%	%
0.0396	0.0423	79.1	84.5	38.7-109			6.60	21.5
0.0394	0.0421	78.9	84.3	36.0-106			6.63	21
0.0304	0.0379	60.7	75.8	41.6-104			22.1	24.8
0.0422	0.0460	84.5	92.1	43.6-113			8.63	18.8
0.0463	0.0454	92.6	90.7	50.0-123			2.05	21.5
0.0381	0.0430	76.1	86.1	11.7-132			12.2	25.2
0.0418	0.0444	83.5	88.8	51.2-112			6.15	20
0.0417	0.0455	83.4	91.0	47.6-111			8.73	20
0.0419	0.0432	83.7	86.3	49.4-114			3.09	20
0.0433	0.0444	86.7	88.7	45.2-117			2.34	20
0.0400	0.0438	80.0	87.6	45.6-106			9.08	20
0.0386	0.0419	77.2	83.8	38.0-103			8.23	20.1
0.0364	0.0398	72.8	79.7	37.2-111			9.03	24.1
0.0339	0.0403	67.9	80.6	22.6-108			17.1	27.9
0.0347	0.0393	69.4	78.6	32.9-100			12.5	25.1
0.0384	0.0432	76.8	86.3	40.7-116			11.7	21
0.0115	0.0120	23.1	24.0	10.0-40.4			4.24	40
0.0471	0.0513	94.1	103	49.0-110			8.60	20
0.0367	0.0413	73.5	82.5	32.0-104			11.6	26.4
0.0372	0.0416	74.3	83.1	33.6-105			11.2	23
0.0388	0.0418	77.6	83.6	39.0-113			7.38	20.9
0.0404	0.0432	80.9	86.4	54.6-120			6.54	20
0.0404	0.0418	80.7	83.7	42.8-118			3.59	20
0.0396	0.0432	79.1	86.4	42.4-105			8.82	20
0.0420	0.0442	83.9	88.4	27.2-142			5.23	22.3
0.0398	0.0427	79.5	85.3	31.2-105			7.02	22
0.0418	0.0444	83.6	88.8	30.6-106			6.06	23.1
0.0431	0.0478	86.2	95.7	45.9-115			10.5	20
0.0396	0.0430	79.3	86.1	41.0-112			8.23	20.2

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc

Laboratory Control Sample Duplicate (LCSD)

LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
mg/l	mg/l	%	%	%			%	%
0.0417	0.0449	83.4	89.7	38.5-116			7.25	20.1
0.0277	0.0313	55.4	62.7	16.1-104			12.3	31.2
0.0190	0.0214	38.0	42.8	10.0-121			12.0	27.9
0.0281	0.0334	56.1	66.8	16.5-89.8			17.5	30.7
0.0421	0.0439	84.2	87.8	45.0-116			4.22	20
0.0404	0.0445	80.9	89.1	35.4-112			9.64	21.5
0.0379	0.0406	75.7	81.1	34.7-102			6.86	24.9
0.0320	0.0357	63.9	71.4	33.8-98.6			11.0	24.2
0.0315	0.0359	63.0	71.8	32.2-101			13.1	23.8
0.0436	0.0476	87.3	95.2	35.6-113			8.68	20.9
0.0472	0.0449	94.4	89.8	33.6-103			4.97	21.8
0.0574	0.0586	115	117	35.4-124			2.02	23.1
0.0366	0.0414	73.3	82.8	31.4-106			12.2	25.7
0.0409	0.0436	81.7	87.1	44.4-113			6.40	20
0.0377	0.0424	75.4	84.8	33.2-106			11.7	23.7
0.0403	0.0437	80.6	87.3	46.4-113			7.98	20
0.0423	0.0473	84.6	94.6	31.8-123			11.2	20.7
0.0426	0.0461	85.2	92.2	36.9-134			7.88	23.6
0.0437	0.0467	87.4	93.4	41.8-120			6.66	20.2
0.0435	0.0444	87.0	88.8	36.5-129			2.12	20
0.0430	0.0444	86.1	88.8	35.3-128			3.16	20.8
0.0451	0.0490	90.3	97.9	39.7-112			8.13	21.1
0.0406	0.0451	81.2	90.1	46.3-117			10.4	20
0.0293	0.0333	58.6	66.7	22.9-96.1			12.9	27.5
0.0427	0.0443	85.4	88.5	35.7-100			3.55	22.9
0.0329	0.0377	65.9	75.3	26.2-91.5			13.4	26.5
0.0310	0.0374	61.9	74.8	26.4-86.9			18.8	26.5
0.0357	0.0392	71.4	78.4	27.9-92.0			9.30	27
0.0384	0.0405	76.9	80.9	31.4-103			5.11	24.9
0.0398	0.0438	79.6	87.6	31.9-107			9.64	25.7
0.0432	0.0357	86.4	71.3	18.4-148			19.1	24.4
0.0305	0.0174	61.0	34.7	24.2-128		J3	54.9	20.5
0.0368	0.0386	73.7	77.2	25.9-106			4.68	26.9
0.0219	0.0142	43.8	28.3	10.0-52.7		J3	42.9	40
0.0398	0.0392	79.5	78.4	10.0-97.4			1.37	35.1
0.0189	0.0230	37.8	46.0	10.0-57.9			19.6	35

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

Laboratory Control Sample Duplicate (LCSD)

LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
mg/l	mg/l	%	%	%			%	%
0.0436	0.0429	87.2	85.8	34.9-112			1.57	23.9
0.0437	0.0465	87.4	93.1	29.8-107			6.28	24.1
		68.3	71.6	21.8-123				
		67.6	76.0	29.5-131				
		72.8	81.9	29.3-137				
		34.6	43.0	5.00-70.1				
		49.4	46.5	10.0-77.9				
		75.3	74.8	11.2-130				

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



Abbreviations and Definitions

SDG	Sample Delivery Group.
MDL	Method Detection Limit.
RDL	Reported Detection Limit.
ND,U	Not detected at the Sample Detection Limit.
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
J	The identification of the analyte is acceptable; the reported value is an estimate.
J3	The associated batch QC was outside the established quality control range for precision.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
P1	RPD value not applicable for sample concentrations less than 5 times the reporting limit.
V	The sample concentration is too high to evaluate accurate spike recoveries.

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ 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 ¹	DW21704
Florida	E87487	North Carolina ²	41
Georgia	NELAP	North Dakota	R-140
Georgia ¹	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 ¹	90010	South Dakota	n/a
Kentucky ²	16	Tennessee ¹⁴	2006
Louisiana	AI30792	Texas	T 104704245-07-TX
Maine	TN0002	Texas ⁵	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		

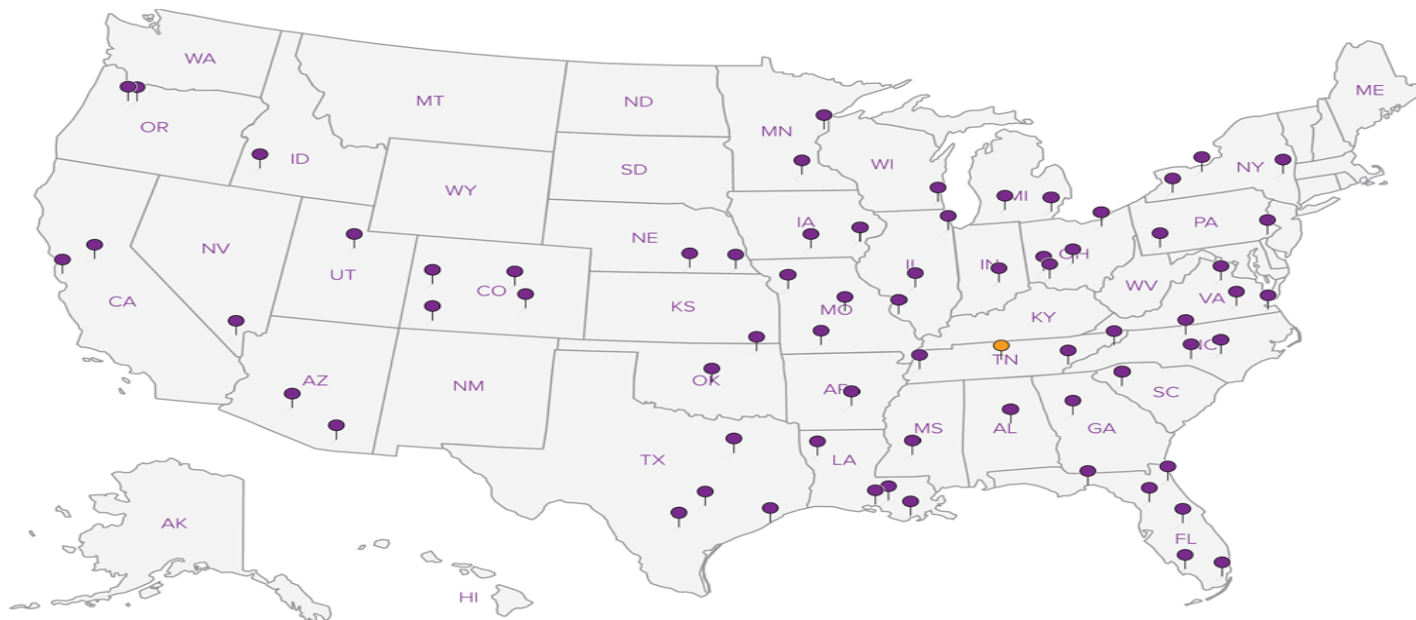
¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold ^{n/a} Accreditation not applicable

Third Party & Federal Accreditations

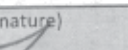
A2LA – ISO 17025	1461.01	AIHA	100789
Canada	1461.01	DOD	1461.01
EPA–Crypto	TN00003	USDA	S-67674

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.**



Date:	Time:	Received by: (Signature)
8/26/15	1510	
Date:	Time:	Received by: (Signature)
Date:	Time:	Received for lab by: (Signature)

	Samples returned via: ☒ UPS ☐ FedEx ☐ Courier ☐ _____		Condition:
	Temp: 3.4 °C Bottles Received: 136		COC Se
(signature) 	Date: 8/27/15 Time: 1215	pH Check: < 2	

al Intact: Y N NA
 cked: NCF:

Billing Information:

Accounts Payable
21 Griffin Road North
Windsor, CT 06095

apinvoice approval@
trcsolutions.com

Email To: JAllen@trcsolutions.com

jspeer@trcsolutions.com

Analysis / Container / Preservative

Chain of Custody Page of



YOUR LAB OF CHOICE

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



L# 785444

Table #

Acctnum: TRCATX

Template: T104895

Prelogin: P520762

TSR: 633 - Pam Langford

PB: 8-18-15 m8

Shipped Via: FedEx Ground

Rem./Contaminant Sample # (lab only)

Lab	Matrix *	Depth	Date	Time	No. of Cntrs	8270TX 100ml Amb NoPres - TCL + 1- methylnaphthalene	HG 250mlHDPE-HNO3	NO2NO3 250mlHDPE-H2SO4	TDS, CL, F, SO4, ALK 1L-HDPE-NoPres	V8260 40mlAmb-HCl - select list	250ML HDPE-No pres, lab filter 0.45µ							
	GW		8-25-15	1915	8	X	X	X	X	X	X							11
	GW		8-26-15	0850	8													12
	GW			1035	8													13
	GW			1223	8													14
	GW			1322	8													15
	GW		8/26/15	—	18					X								16
	GW				8													
	GW				8													
	GW				8													
	GW				8													

steWater DW - Drinking Water OT - Other

pH Temp

Flow Other

metals with 0.45 µ Filter.

Date: 8/26/15	Time: 1510	Received by: (Signature)	Samples returned via: ☐ UPS ☐ FedEx ☐ Courier ☐	Hold #
Date:	Time:	Received by: (Signature)	Temp: 3.4 °C Bottles Received: 136	Condition: (lab use only) JW7
Date:	Time:	Received for lab by: (Signature)	Date: 8/27/15 Time: 1215	COC Seal Intact: Y N NA
				pH Checked: <L NCF:

TRC Solutions - Austin, TX

Sample Delivery Group: L786033
Samples Received: 08/29/2015
Project Number: 227000.0000.0000
Description: Lovington Lea Refinery
Site: LOVINGTON LEA REFINERY
Report To: John Allen
505 E. Huntland Drive, Suite 250
Austin, TX 78752

Entire Report Reviewed By:



Pam Langford
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.



¹Cp: Cover Page	1
²Tc: Table of Contents	2
³Ss: Sample Summary	4
⁴Cn: Case Narrative	12
⁵Sr: Sample Results	13
MW-13 L786033-01	13
MW-10 L786033-02	17
MW-28 L786033-03	21
MW-15 L786033-04	25
DUP-2 L786033-05	29
MW-16 L786033-06	33
MW-7 L786033-07	37
RW-1 L786033-08	41
MW-1 L786033-09	45
MW-14 L786033-10	49
MW-8 L786033-11	53
MW-6 L786033-12	57
MW-17R L786033-13	61
MW-29 L786033-14	65
SOUTH WELL L786033-15	69
DUP-3 L786033-16	73
EAST WELL L786033-17	77
NORTH WELL L786033-18	81
MW-11 L786033-19	85
DUP-4 L786033-20	86
MW-4 L786033-21	87
MW-30 L786033-22	91
MW-2 L786033-23	95
EB-8-28-15-A L786033-24	99
EB-8-28-15-B L786033-25	103
TB-8-28-15-A L786033-26	107
⁶Qc: Quality Control Summary	108
Gravimetric Analysis by Method 2540 C-2011	108
Wet Chemistry by Method 2320 B-2011	111
Wet Chemistry by Method 353.2	113
Wet Chemistry by Method 9040C	117
Wet Chemistry by Method 9050A	119
Wet Chemistry by Method 9056	121
Mercury by Method 7470A	126





Metals (ICP) by Method 6010B	129
Metals (ICPMS) by Method 6020	134
Volatile Organic Compounds (GC/MS) by Method 8260B	139
Semi Volatile Organic Compounds (GC/MS) by Method 8270 C	154
⁷Gl: Glossary of Terms	168
⁸Al: Accreditations & Locations	169
⁹Sc: Chain of Custody	170

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

SAMPLE SUMMARY

ONE LAB. NATIONWIDE.



MW-13 L786033-01 GW

Collected by
JA/AE

Collected date/time
08/26/15 18:05

Received date/time
08/29/15 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analysis Analyst
Gravimetric Analysis by Method 2540 C-2011	WG812597	1	09/01/15 13:58	09/02/15 16:00	MF
Metals (ICP) by Method 6010B	WG812705	1	09/08/15 08:13	09/08/15 11:28	JDG
Metals (ICPMS) by Method 6020	WG812711	1	09/08/15 08:20	09/08/15 14:44	VSS
Metals (ICPMS) by Method 6020	WG812711	1	09/08/15 08:20	09/08/15 17:42	VSS
Semi Volatile Organic Compounds (GC/MS) by Method 8270 C	WG812624	1	09/02/15 20:24	09/03/15 05:22	ADF
Volatile Organic Compounds (GC/MS) by Method 8260B	WG813608	1	09/05/15 04:33	09/05/15 04:33	MCB
Wet Chemistry by Method 2320 B-2011	WG812795	1	09/02/15 14:06	09/02/15 14:06	MCG
Wet Chemistry by Method 353.2	WG812781	1	09/02/15 15:08	09/02/15 15:08	ASK
Wet Chemistry by Method 9040C	WG812616	1	09/01/15 15:55	09/01/15 15:55	SJM
Wet Chemistry by Method 9050A	WG812578	1	09/01/15 11:53	09/01/15 11:53	JER
Wet Chemistry by Method 9056	WG813559	5	09/05/15 14:46	09/05/15 14:46	NJM
Wet Chemistry by Method 9056	WG814058	10	09/08/15 18:43	09/08/15 18:43	DJD

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

MW-10 L786033-02 GW

Collected by
JA/AE

Collected date/time
08/26/15 19:07

Received date/time
08/29/15 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analysis Analyst
Gravimetric Analysis by Method 2540 C-2011	WG812597	1	09/01/15 13:58	09/02/15 16:01	MF
Mercury by Method 7470A	WG812697	1	09/01/15 09:54	09/01/15 14:11	TRB
Metals (ICP) by Method 6010B	WG812705	1	09/08/15 08:13	09/08/15 11:31	JDG
Metals (ICPMS) by Method 6020	WG812711	1	09/08/15 08:20	09/08/15 14:47	VSS
Metals (ICPMS) by Method 6020	WG812711	1	09/08/15 08:20	09/08/15 17:44	VSS
Semi Volatile Organic Compounds (GC/MS) by Method 8270 C	WG812624	1	09/02/15 20:24	09/03/15 05:45	ADF
Volatile Organic Compounds (GC/MS) by Method 8260B	WG813608	1	09/05/15 06:26	09/05/15 06:26	MCB
Wet Chemistry by Method 2320 B-2011	WG812795	1	09/02/15 14:06	09/02/15 14:06	MCG
Wet Chemistry by Method 353.2	WG812781	1	09/02/15 15:09	09/02/15 15:09	ASK
Wet Chemistry by Method 9040C	WG812616	1	09/01/15 15:55	09/01/15 15:55	SJM
Wet Chemistry by Method 9050A	WG812578	1	09/01/15 11:53	09/01/15 11:53	JER
Wet Chemistry by Method 9056	WG813559	3	09/05/15 15:00	09/05/15 15:00	NJM

MW-28 L786033-03 GW

Collected by
JA/AE

Collected date/time
08/27/15 07:48

Received date/time
08/29/15 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analysis Analyst
Gravimetric Analysis by Method 2540 C-2011	WG812597	1	09/01/15 13:58	09/02/15 15:59	MF
Mercury by Method 7470A	WG812697	1	09/01/15 09:54	09/01/15 14:18	TRB
Metals (ICP) by Method 6010B	WG812705	1	09/08/15 08:13	09/08/15 11:40	JDG
Metals (ICPMS) by Method 6020	WG812711	1	09/08/15 08:20	09/08/15 14:49	VSS
Metals (ICPMS) by Method 6020	WG812711	1	09/08/15 08:20	09/08/15 17:47	VSS
Semi Volatile Organic Compounds (GC/MS) by Method 8270 C	WG812624	1	09/02/15 20:24	09/03/15 06:09	ADF
Volatile Organic Compounds (GC/MS) by Method 8260B	WG813608	1	09/05/15 06:46	09/05/15 06:46	MCB
Wet Chemistry by Method 2320 B-2011	WG812795	1	09/02/15 14:06	09/02/15 14:06	MCG
Wet Chemistry by Method 353.2	WG812781	1	09/02/15 15:10	09/02/15 15:10	ASK
Wet Chemistry by Method 9040C	WG812616	1	09/01/15 15:55	09/01/15 15:55	SJM
Wet Chemistry by Method 9050A	WG812578	1	09/01/15 11:53	09/01/15 11:53	JER
Wet Chemistry by Method 9056	WG813559	3	09/05/15 15:14	09/05/15 15:14	NJM

SAMPLE SUMMARY

ONE LAB. NATIONWIDE.



MW-15 L786033-04 GW

			Collected by JA/AE	Collected date/time 08/27/15 08:55	Received date/time 08/29/15 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analysis Analyst
Gravimetric Analysis by Method 2540 C-2011	WG812597	1	09/01/15 13:58	09/02/15 16:01	MF
Mercury by Method 7470A	WG812697	1	09/01/15 09:54	09/01/15 14:20	TRB
Metals (ICP) by Method 6010B	WG812705	1	09/08/15 08:13	09/08/15 11:43	JDG
Metals (ICPMS) by Method 6020	WG812711	1	09/08/15 08:20	09/09/15 09:52	LAT
Semi Volatile Organic Compounds (GC/MS) by Method 8270 C	WG812624	1	09/02/15 20:24	09/03/15 06:32	ADF
Volatile Organic Compounds (GC/MS) by Method 8260B	WG813608	1	09/05/15 07:08	09/05/15 07:08	MCB
Wet Chemistry by Method 2320 B-2011	WG812795	1	09/02/15 14:06	09/02/15 14:06	MCG
Wet Chemistry by Method 353.2	WG812781	1	09/02/15 15:11	09/02/15 15:11	ASK
Wet Chemistry by Method 9040C	WG812616	1	09/01/15 15:55	09/01/15 15:55	SJM
Wet Chemistry by Method 9050A	WG812578	1	09/01/15 11:53	09/01/15 11:53	JER
Wet Chemistry by Method 9056	WG813559	3	09/05/15 15:28	09/05/15 15:28	NJM

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

DUP-2 L786033-05 GW

			Collected by JA/AE	Collected date/time 08/27/15 08:55	Received date/time 08/29/15 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analysis Analyst
Gravimetric Analysis by Method 2540 C-2011	WG812597	1	09/01/15 13:58	09/02/15 16:01	MF
Mercury by Method 7470A	WG812697	1	09/01/15 09:54	09/01/15 14:23	TRB
Metals (ICP) by Method 6010B	WG812705	1	09/08/15 08:13	09/08/15 11:46	JDG
Metals (ICPMS) by Method 6020	WG812711	1	09/08/15 08:20	09/08/15 15:00	VSS
Metals (ICPMS) by Method 6020	WG812711	1	09/08/15 08:20	09/08/15 17:49	VSS
Semi Volatile Organic Compounds (GC/MS) by Method 8270 C	WG812624	1	09/02/15 20:24	09/03/15 06:55	ADF
Volatile Organic Compounds (GC/MS) by Method 8260B	WG813608	1	09/05/15 07:28	09/05/15 07:28	MCB
Wet Chemistry by Method 2320 B-2011	WG812795	1	09/02/15 14:06	09/02/15 14:06	MCG
Wet Chemistry by Method 353.2	WG812781	1	09/02/15 15:12	09/02/15 15:12	ASK
Wet Chemistry by Method 9040C	WG812616	1	09/01/15 15:55	09/01/15 15:55	SJM
Wet Chemistry by Method 9050A	WG812578	1	09/01/15 11:53	09/01/15 11:53	JER
Wet Chemistry by Method 9056	WG813559	3	09/05/15 15:42	09/05/15 15:42	NJM

MW-16 L786033-06 GW

			Collected by JA/AE	Collected date/time 08/27/15 10:05	Received date/time 08/29/15 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analysis Analyst
Gravimetric Analysis by Method 2540 C-2011	WG812597	1	09/01/15 13:58	09/02/15 16:01	MF
Mercury by Method 7470A	WG812697	1	09/01/15 09:54	09/01/15 14:25	TRB
Metals (ICP) by Method 6010B	WG812705	1	09/08/15 08:13	09/08/15 11:50	JDG
Metals (ICPMS) by Method 6020	WG812711	1	09/08/15 08:20	09/08/15 15:02	VSS
Metals (ICPMS) by Method 6020	WG812711	1	09/08/15 08:20	09/08/15 17:51	VSS
Semi Volatile Organic Compounds (GC/MS) by Method 8270 C	WG812624	1	09/02/15 20:24	09/03/15 07:19	ADF
Volatile Organic Compounds (GC/MS) by Method 8260B	WG813608	1	09/05/15 07:47	09/05/15 07:47	MCB
Wet Chemistry by Method 2320 B-2011	WG812795	1	09/02/15 14:06	09/02/15 14:06	MCG
Wet Chemistry by Method 353.2	WG812781	1	09/02/15 15:14	09/02/15 15:14	ASK
Wet Chemistry by Method 9040C	WG812616	1	09/01/15 15:55	09/01/15 15:55	SJM
Wet Chemistry by Method 9050A	WG812578	1	09/01/15 11:53	09/01/15 11:53	JER
Wet Chemistry by Method 9056	WG813559	1	09/05/15 15:56	09/05/15 15:56	NJM

MW-7 L786033-07 GW

			Collected by JA/AE	Collected date/time 08/27/15 11:08	Received date/time 08/29/15 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analysis Analyst
Gravimetric Analysis by Method 2540 C-2011	WG812597	1	09/01/15 13:58	09/02/15 15:58	MF
Mercury by Method 7470A	WG812697	1	09/01/15 09:54	09/01/15 14:27	TRB

SAMPLE SUMMARY

ONE LAB. NATIONWIDE.



MW-7 L786033-07 GW

			Collected by JA/AE	Collected date/time 08/27/15 11:08	Received date/time 08/29/15 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analysis Analyst
Metals (ICP) by Method 6010B	WG812705	1	09/08/15 08:13	09/08/15 11:53	JDG
Metals (ICPMS) by Method 6020	WG812711	1	09/08/15 08:20	09/08/15 15:05	VSS
Metals (ICPMS) by Method 6020	WG812711	1	09/08/15 08:20	09/08/15 17:53	VSS
Semi Volatile Organic Compounds (GC/MS) by Method 8270 C	WG812624	1	09/02/15 20:24	09/03/15 07:42	ADF
Volatile Organic Compounds (GC/MS) by Method 8260B	WG813608	1	09/05/15 08:07	09/05/15 08:07	MCB
Wet Chemistry by Method 2320 B-2011	WG812795	1	09/02/15 14:06	09/02/15 14:06	MCG
Wet Chemistry by Method 353.2	WG812781	1	09/02/15 15:15	09/02/15 15:15	ASK
Wet Chemistry by Method 9040C	WG812616	1	09/01/15 15:55	09/01/15 15:55	SJM
Wet Chemistry by Method 9050A	WG812578	1	09/01/15 11:53	09/01/15 11:53	JER
Wet Chemistry by Method 9056	WG813559	1	09/05/15 16:10	09/05/15 16:10	NJM

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

RW-1 L786033-08 GW

			Collected by JA/AE	Collected date/time 08/27/15 11:50	Received date/time 08/29/15 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analysis Analyst
Gravimetric Analysis by Method 2540 C-2011	WG812597	1	09/01/15 13:58	09/02/15 15:59	MF
Mercury by Method 7470A	WG812697	1	09/01/15 09:54	09/01/15 14:29	TRB
Metals (ICP) by Method 6010B	WG812705	1	09/08/15 08:13	09/08/15 11:56	JDG
Metals (ICPMS) by Method 6020	WG812711	1	09/08/15 08:20	09/08/15 15:07	VSS
Metals (ICPMS) by Method 6020	WG812711	1	09/08/15 08:20	09/08/15 17:56	VSS
Semi Volatile Organic Compounds (GC/MS) by Method 8270 C	WG812624	1	09/02/15 20:24	09/03/15 08:05	ADF
Volatile Organic Compounds (GC/MS) by Method 8260B	WG813608	1	09/05/15 08:27	09/05/15 08:27	MCB
Wet Chemistry by Method 2320 B-2011	WG812795	1	09/02/15 14:06	09/02/15 14:06	MCG
Wet Chemistry by Method 353.2	WG812781	1	09/02/15 15:17	09/02/15 15:17	ASK
Wet Chemistry by Method 9040C	WG812616	1	09/01/15 15:55	09/01/15 15:55	SJM
Wet Chemistry by Method 9050A	WG812578	1	09/01/15 11:53	09/01/15 11:53	JER
Wet Chemistry by Method 9056	WG813559	1	09/05/15 16:24	09/05/15 16:24	NJM

⁷ Gl

⁸ Al

⁹ Sc

MW-1 L786033-09 GW

			Collected by JA/AE	Collected date/time 08/27/15 12:32	Received date/time 08/29/15 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analysis Analyst
Gravimetric Analysis by Method 2540 C-2011	WG812597	1	09/01/15 13:58	09/02/15 15:59	MF
Mercury by Method 7470A	WG812697	1	09/01/15 09:54	09/01/15 14:31	TRB
Metals (ICP) by Method 6010B	WG812705	1	09/08/15 08:13	09/08/15 11:59	JDG
Metals (ICPMS) by Method 6020	WG812711	1	09/08/15 08:20	09/08/15 15:09	VSS
Metals (ICPMS) by Method 6020	WG812711	1	09/08/15 08:20	09/08/15 18:22	VSS
Semi Volatile Organic Compounds (GC/MS) by Method 8270 C	WG812624	1	09/02/15 20:24	09/03/15 08:29	ADF
Volatile Organic Compounds (GC/MS) by Method 8260B	WG813608	1	09/05/15 08:47	09/05/15 08:47	MCB
Wet Chemistry by Method 2320 B-2011	WG812795	1	09/02/15 14:06	09/02/15 14:06	MCG
Wet Chemistry by Method 353.2	WG812781	1	09/02/15 15:23	09/02/15 15:23	ASK
Wet Chemistry by Method 9040C	WG812616	1	09/01/15 15:55	09/01/15 15:55	SJM
Wet Chemistry by Method 9050A	WG812578	1	09/01/15 11:53	09/01/15 11:53	JER
Wet Chemistry by Method 9056	WG813559	1	09/05/15 16:37	09/05/15 16:37	NJM

MW-14 L786033-10 GW

			Collected by JA/AE	Collected date/time 08/27/15 15:05	Received date/time 08/29/15 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analysis Analyst
Gravimetric Analysis by Method 2540 C-2011	WG812597	1	09/01/15 13:58	09/02/15 15:58	MF
Metals (ICP) by Method 6010B	WG812705	1	09/08/15 08:13	09/08/15 12:02	JDG
Metals (ICPMS) by Method 6020	WG812711	1	09/08/15 08:20	09/08/15 15:11	VSS

SAMPLE SUMMARY

ONE LAB. NATIONWIDE.



MW-14 L786033-10 GW

			Collected by JA/AE	Collected date/time 08/27/15 15:05	Received date/time 08/29/15 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analysis Analyst
Metals (ICPMS) by Method 6020	WG812711	1	09/08/15 08:20	09/08/15 18:24	VSS
Semi Volatile Organic Compounds (GC/MS) by Method 8270 C	WG812624	1	09/02/15 20:24	09/03/15 08:52	ADF
Volatile Organic Compounds (GC/MS) by Method 8260B	WG813608	1	09/05/15 09:07	09/05/15 09:07	MCB
Wet Chemistry by Method 2320 B-2011	WG812795	1	09/02/15 14:06	09/02/15 14:06	MCG
Wet Chemistry by Method 353.2	WG812781	1	09/02/15 15:24	09/02/15 15:24	ASK
Wet Chemistry by Method 9040C	WG812616	1	09/01/15 15:55	09/01/15 15:55	SJM
Wet Chemistry by Method 9050A	WG812578	1	09/01/15 11:53	09/01/15 11:53	JER
Wet Chemistry by Method 9056	WG813559	3	09/05/15 17:19	09/05/15 17:19	NJM
Wet Chemistry by Method 9056	WG814058	1	09/08/15 19:00	09/08/15 19:00	DJD

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

MW-8 L786033-11 GW

			Collected by JA/AE	Collected date/time 08/27/15 16:02	Received date/time 08/29/15 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analysis Analyst
Gravimetric Analysis by Method 2540 C-2011	WG812599	1	09/01/15 14:38	09/02/15 15:33	MF
Mercury by Method 7470A	WG812697	1	09/01/15 09:54	09/01/15 14:33	TRB
Metals (ICP) by Method 6010B	WG812705	1	09/08/15 08:13	09/08/15 12:05	JDG
Metals (ICPMS) by Method 6020	WG812711	1	09/08/15 08:20	09/08/15 15:14	VSS
Metals (ICPMS) by Method 6020	WG812711	1	09/08/15 08:20	09/08/15 18:26	VSS
Semi Volatile Organic Compounds (GC/MS) by Method 8270 C	WG812624	1	09/02/15 20:24	09/03/15 09:16	ADF
Volatile Organic Compounds (GC/MS) by Method 8260B	WG813608	1	09/05/15 09:27	09/05/15 09:27	MCB
Wet Chemistry by Method 2320 B-2011	WG812796	5	09/03/15 08:38	09/03/15 08:38	MCG
Wet Chemistry by Method 353.2	WG812781	1	09/02/15 15:25	09/02/15 15:25	ASK
Wet Chemistry by Method 9040C	WG812616	1	09/01/15 15:55	09/01/15 15:55	SJM
Wet Chemistry by Method 9050A	WG812578	1	09/01/15 11:53	09/01/15 11:53	JER
Wet Chemistry by Method 9056	WG813559	5	09/05/15 17:33	09/05/15 17:33	NJM
Wet Chemistry by Method 9056	WG814058	5	09/08/15 19:49	09/08/15 19:49	DJD

⁷ Gl

⁸ Al

⁹ Sc

MW-6 L786033-12 GW

			Collected by JA/AE	Collected date/time 08/27/15 17:06	Received date/time 08/29/15 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analysis Analyst
Gravimetric Analysis by Method 2540 C-2011	WG812599	1	09/01/15 14:38	09/02/15 15:35	MF
Mercury by Method 7470A	WG812697	1	09/01/15 09:54	09/01/15 14:36	TRB
Metals (ICP) by Method 6010B	WG812705	1	09/08/15 08:13	09/08/15 12:08	JDG
Metals (ICPMS) by Method 6020	WG812711	1	09/08/15 08:20	09/08/15 15:16	VSS
Metals (ICPMS) by Method 6020	WG812711	1	09/08/15 08:20	09/08/15 18:29	VSS
Semi Volatile Organic Compounds (GC/MS) by Method 8270 C	WG812624	1	09/02/15 20:24	09/03/15 09:39	ADF
Volatile Organic Compounds (GC/MS) by Method 8260B	WG813608	1	09/05/15 09:47	09/05/15 09:47	MCB
Wet Chemistry by Method 2320 B-2011	WG812795	1	09/02/15 14:06	09/02/15 14:06	MCG
Wet Chemistry by Method 353.2	WG812781	1	09/02/15 15:26	09/02/15 15:26	ASK
Wet Chemistry by Method 9040C	WG812616	1	09/01/15 15:55	09/01/15 15:55	SJM
Wet Chemistry by Method 9050A	WG812578	1	09/01/15 11:53	09/01/15 11:53	JER
Wet Chemistry by Method 9056	WG813559	1	09/05/15 17:47	09/05/15 17:47	NJM
Wet Chemistry by Method 9056	WG814058	1	09/08/15 20:05	09/08/15 20:05	DJD

MW-17R L786033-13 GW

			Collected by JA/AE	Collected date/time 08/27/15 18:22	Received date/time 08/29/15 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analysis Analyst
Gravimetric Analysis by Method 2540 C-2011	WG812599	1	09/01/15 14:38	09/02/15 15:36	MF
Mercury by Method 7470A	WG812697	1	09/01/15 09:54	09/01/15 14:38	TRB

SAMPLE SUMMARY

ONE LAB. NATIONWIDE.



MW-17R L786033-13 GW

			Collected by JA/AE	Collected date/time 08/27/15 18:22	Received date/time 08/29/15 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analysis Analyst
Metals (ICP) by Method 6010B	WG812705	1	09/08/15 08:13	09/08/15 12:17	JDG
Metals (ICPMS) by Method 6020	WG812711	1	09/08/15 08:20	09/08/15 15:18	VSS
Metals (ICPMS) by Method 6020	WG812711	1	09/08/15 08:20	09/08/15 18:31	VSS
Semi Volatile Organic Compounds (GC/MS) by Method 8270 C	WG812624	1	09/02/15 20:24	09/03/15 10:02	ADF
Volatile Organic Compounds (GC/MS) by Method 8260B	WG813608	1	09/05/15 10:06	09/05/15 10:06	MCB
Wet Chemistry by Method 2320 B-2011	WG812795	1	09/02/15 14:06	09/02/15 14:06	MCG
Wet Chemistry by Method 353.2	WG812781	1	09/02/15 15:27	09/02/15 15:27	ASK
Wet Chemistry by Method 9040C	WG812616	1	09/01/15 15:55	09/01/15 15:55	SJM
Wet Chemistry by Method 9050A	WG812578	1	09/01/15 11:53	09/01/15 11:53	JER
Wet Chemistry by Method 9056	WG813560	3	09/05/15 14:54	09/05/15 14:54	NJM

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

MW-29 L786033-14 GW

			Collected by JA/AE	Collected date/time 08/27/15 19:26	Received date/time 08/29/15 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analysis Analyst
Gravimetric Analysis by Method 2540 C-2011	WG812599	1	09/01/15 14:38	09/02/15 15:36	MF
Mercury by Method 7470A	WG812697	1	09/01/15 09:54	09/01/15 14:44	TRB
Metals (ICP) by Method 6010B	WG812705	1	09/08/15 08:13	09/08/15 12:20	JDG
Metals (ICPMS) by Method 6020	WG812711	1	09/08/15 08:20	09/09/15 09:54	LAT
Semi Volatile Organic Compounds (GC/MS) by Method 8270 C	WG812624	1	09/02/15 20:24	09/03/15 10:26	ADF
Volatile Organic Compounds (GC/MS) by Method 8260B	WG813608	1	09/05/15 10:26	09/05/15 10:26	MCB
Wet Chemistry by Method 2320 B-2011	WG812795	1	09/02/15 14:06	09/02/15 14:06	MCG
Wet Chemistry by Method 353.2	WG812781	1	09/02/15 15:28	09/02/15 15:28	ASK
Wet Chemistry by Method 9040C	WG812616	1	09/01/15 15:55	09/01/15 15:55	SJM
Wet Chemistry by Method 9050A	WG812578	1	09/01/15 11:53	09/01/15 11:53	JER
Wet Chemistry by Method 9056	WG813560	5	09/05/15 15:10	09/05/15 15:10	NJM

⁷ Gl

⁸ Al

⁹ Sc

SOUTH WELL L786033-15 GW

			Collected by JA/AE	Collected date/time 08/28/15 07:30	Received date/time 08/29/15 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analysis Analyst
Gravimetric Analysis by Method 2540 C-2011	WG812599	1	09/01/15 14:38	09/02/15 15:36	MF
Mercury by Method 7470A	WG812696	1	09/01/15 10:01	09/01/15 15:48	TRB
Mercury by Method 7470A	WG812697	1	09/01/15 09:54	09/01/15 13:58	TRB
Metals (ICP) by Method 6010B	WG812705	1	09/08/15 08:13	09/08/15 11:17	JDG
Metals (ICPMS) by Method 6020	WG812711	1	09/08/15 08:20	09/08/15 14:35	VSS
Metals (ICPMS) by Method 6020	WG812711	1	09/08/15 08:20	09/08/15 17:12	VSS
Semi Volatile Organic Compounds (GC/MS) by Method 8270 C	WG812624	1	09/02/15 20:24	09/03/15 12:47	ADF
Volatile Organic Compounds (GC/MS) by Method 8260B	WG813608	1	09/05/15 12:25	09/05/15 12:25	MCB
Wet Chemistry by Method 2320 B-2011	WG812796	1	09/03/15 08:38	09/03/15 08:38	MCG
Wet Chemistry by Method 353.2	WG812781	1	09/02/15 15:29	09/02/15 15:29	ASK
Wet Chemistry by Method 9040C	WG812616	1	09/01/15 15:55	09/01/15 15:55	SJM
Wet Chemistry by Method 9050A	WG812578	1	09/01/15 11:53	09/01/15 11:53	JER
Wet Chemistry by Method 9056	WG813560	5	09/05/15 15:26	09/05/15 15:26	NJM

DUP-3 L786033-16 GW

			Collected by JA/AE	Collected date/time 08/28/15 07:30	Received date/time 08/29/15 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analysis Analyst
Gravimetric Analysis by Method 2540 C-2011	WG812599	1	09/01/15 14:38	09/02/15 15:34	MF
Mercury by Method 7470A	WG812697	1	09/01/15 09:54	09/01/15 14:47	TRB
Metals (ICP) by Method 6010B	WG812705	1	09/08/15 08:13	09/08/15 12:23	JDG



DUP-3 L786033-16 GW

			Collected by JA/AE	Collected date/time 08/28/15 07:30	Received date/time 08/29/15 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analysis Analyst
Metals (ICPMS) by Method 6020	WG812711	1	09/08/15 08:20	09/08/15 15:25	VSS
Metals (ICPMS) by Method 6020	WG812711	1	09/08/15 08:20	09/08/15 18:33	VSS
Semi Volatile Organic Compounds (GC/MS) by Method 8270 C	WG812624	1	09/02/15 20:24	09/03/15 10:49	ADF
Volatile Organic Compounds (GC/MS) by Method 8260B	WG813608	1	09/05/15 10:45	09/05/15 10:45	MCB
Wet Chemistry by Method 2320 B-2011	WG812795	1	09/02/15 14:06	09/02/15 14:06	MCG
Wet Chemistry by Method 353.2	WG812781	1	09/02/15 15:32	09/02/15 15:32	ASK
Wet Chemistry by Method 9040C	WG812616	1	09/01/15 15:55	09/01/15 15:55	SJM
Wet Chemistry by Method 9050A	WG812578	1	09/01/15 11:53	09/01/15 11:53	JER
Wet Chemistry by Method 9056	WG813560	5	09/05/15 16:16	09/05/15 16:16	NJM

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

EAST WELL L786033-17 GW

			Collected by JA/AE	Collected date/time 08/28/15 08:35	Received date/time 08/29/15 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analysis Analyst
Gravimetric Analysis by Method 2540 C-2011	WG812599	1	09/01/15 14:38	09/02/15 15:34	MF
Mercury by Method 7470A	WG812696	1	09/01/15 10:01	09/01/15 15:55	TRB
Mercury by Method 7470A	WG812697	1	09/01/15 09:54	09/01/15 14:05	TRB
Metals (ICP) by Method 6010B	WG812705	1	09/08/15 08:13	09/08/15 12:26	JDG
Metals (ICPMS) by Method 6020	WG812711	1	09/08/15 08:20	09/08/15 15:29	VSS
Metals (ICPMS) by Method 6020	WG812711	1	09/08/15 08:20	09/08/15 18:38	VSS
Semi Volatile Organic Compounds (GC/MS) by Method 8270 C	WG813193	1	09/03/15 18:38	09/04/15 06:29	ADF
Volatile Organic Compounds (GC/MS) by Method 8260B	WG813609	1	09/05/15 11:01	09/05/15 11:01	MCB
Wet Chemistry by Method 2320 B-2011	WG812795	1	09/02/15 14:06	09/02/15 14:06	MCG
Wet Chemistry by Method 353.2	WG813064	1	09/03/15 11:37	09/03/15 11:37	ASK
Wet Chemistry by Method 9040C	WG812616	1	09/01/15 15:55	09/01/15 15:55	SJM
Wet Chemistry by Method 9050A	WG812578	1	09/01/15 11:53	09/01/15 11:53	JER
Wet Chemistry by Method 9056	WG813560	3	09/05/15 16:32	09/05/15 16:32	NJM

NORTH WELL L786033-18 GW

			Collected by JA/AE	Collected date/time 08/28/15 09:24	Received date/time 08/29/15 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analysis Analyst
Gravimetric Analysis by Method 2540 C-2011	WG812599	1	09/01/15 14:38	09/02/15 15:35	MF
Mercury by Method 7470A	WG812697	1	09/01/15 09:54	09/01/15 14:49	TRB
Metals (ICP) by Method 6010B	WG812705	1	09/08/15 08:13	09/08/15 12:34	JDG
Metals (ICPMS) by Method 6020	WG812711	1	09/08/15 08:20	09/08/15 15:27	VSS
Metals (ICPMS) by Method 6020	WG812711	1	09/08/15 08:20	09/08/15 18:35	VSS
Semi Volatile Organic Compounds (GC/MS) by Method 8270 C	WG812624	1	09/02/15 20:24	09/03/15 11:13	ADF
Volatile Organic Compounds (GC/MS) by Method 8260B	WG813608	1	09/05/15 11:05	09/05/15 11:05	MCB
Wet Chemistry by Method 2320 B-2011	WG812795	1	09/02/15 14:06	09/02/15 14:06	MCG
Wet Chemistry by Method 353.2	WG812781	1	09/02/15 15:34	09/02/15 15:34	ASK
Wet Chemistry by Method 9040C	WG812616	1	09/01/15 15:55	09/01/15 15:55	SJM
Wet Chemistry by Method 9050A	WG812843	1	09/02/15 11:58	09/02/15 11:58	JER
Wet Chemistry by Method 9056	WG813560	3	09/05/15 17:21	09/05/15 17:21	NJM

MW-11 L786033-19 GW

			Collected by JA/AE	Collected date/time 08/28/15 10:00	Received date/time 08/29/15 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analysis Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG813608	1	09/05/15 11:25	09/05/15 11:25	MCB



DUP-4 L786033-20 GW

			Collected by JA/AE	Collected date/time 08/28/15 10:00	Received date/time 08/29/15 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analysis Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG813608	1	09/05/15 11:45	09/05/15 11:45	MCB

¹ Cp² Tc³ Ss

MW-4 L786033-21 GW

			Collected by JA/AE	Collected date/time 08/28/15 10:54	Received date/time 08/29/15 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analysis Analyst
Gravimetric Analysis by Method 2540 C-2011	WG812599	1	09/01/15 14:38	09/02/15 15:35	MF
Mercury by Method 7470A	WG812697	1	09/01/15 09:54	09/01/15 14:51	TRB
Metals (ICP) by Method 6010B	WG812705	1	09/08/15 08:13	09/08/15 12:37	JDG
Metals (ICPMS) by Method 6020	WG812713	1	09/02/15 17:43	09/03/15 08:05	AB
Semi Volatile Organic Compounds (GC/MS) by Method 8270 C	WG812624	1	09/02/15 20:24	09/03/15 11:36	ADF
Volatile Organic Compounds (GC/MS) by Method 8260B	WG813608	1	09/05/15 12:05	09/05/15 12:05	MCB
Wet Chemistry by Method 2320 B-2011	WG812796	1	09/03/15 08:38	09/03/15 08:38	MCG
Wet Chemistry by Method 353.2	WG812781	1	09/02/15 15:35	09/02/15 15:35	ASK
Wet Chemistry by Method 9040C	WG812617	1	09/02/15 09:16	09/02/15 09:16	SJM
Wet Chemistry by Method 9050A	WG812843	1	09/02/15 11:58	09/02/15 11:58	JER
Wet Chemistry by Method 9056	WG813560	1	09/05/15 17:38	09/05/15 17:38	NJM

⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

MW-30 L786033-22 GW

			Collected by JA/AE	Collected date/time 08/28/15 11:55	Received date/time 08/29/15 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analysis Analyst
Gravimetric Analysis by Method 2540 C-2011	WG812599	1	09/01/15 14:38	09/02/15 15:35	MF
Mercury by Method 7470A	WG812697	1	09/01/15 09:54	09/01/15 14:53	TRB
Metals (ICP) by Method 6010B	WG812705	1	09/08/15 08:13	09/08/15 12:40	JDG
Metals (ICPMS) by Method 6020	WG812713	1	09/02/15 17:43	09/03/15 08:07	AB
Semi Volatile Organic Compounds (GC/MS) by Method 8270 C	WG812624	1	09/02/15 20:24	09/03/15 12:00	ADF
Volatile Organic Compounds (GC/MS) by Method 8260B	WG813609	1	09/05/15 11:21	09/05/15 11:21	MCB
Wet Chemistry by Method 2320 B-2011	WG812796	1	09/03/15 08:38	09/03/15 08:38	MCG
Wet Chemistry by Method 353.2	WG813064	1	09/03/15 11:40	09/03/15 11:40	ASK
Wet Chemistry by Method 9040C	WG812617	1	09/02/15 09:16	09/02/15 09:16	SJM
Wet Chemistry by Method 9050A	WG812843	1	09/02/15 11:58	09/02/15 11:58	JER
Wet Chemistry by Method 9056	WG813560	3	09/05/15 17:54	09/05/15 17:54	NJM

MW-2 L786033-23 GW

			Collected by JA/AE	Collected date/time 08/28/15 12:48	Received date/time 08/29/15 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analysis Analyst
Gravimetric Analysis by Method 2540 C-2011	WG812601	1	09/01/15 12:44	09/02/15 15:45	MF
Mercury by Method 7470A	WG812697	1	09/01/15 09:54	09/01/15 14:55	TRB
Metals (ICP) by Method 6010B	WG812707	1	09/02/15 07:40	09/02/15 08:21	ST
Metals (ICPMS) by Method 6020	WG812713	1	09/02/15 17:43	09/03/15 08:09	AB
Semi Volatile Organic Compounds (GC/MS) by Method 8270 C	WG812624	1	09/02/15 20:24	09/03/15 12:23	ADF
Volatile Organic Compounds (GC/MS) by Method 8260B	WG813609	1	09/05/15 11:41	09/05/15 11:41	MCB
Wet Chemistry by Method 2320 B-2011	WG812796	1	09/03/15 08:38	09/03/15 08:38	MCG
Wet Chemistry by Method 353.2	WG813064	1	09/03/15 11:41	09/03/15 11:41	ASK
Wet Chemistry by Method 9040C	WG812617	1	09/02/15 09:16	09/02/15 09:16	SJM
Wet Chemistry by Method 9050A	WG812843	1	09/02/15 11:58	09/02/15 11:58	JER
Wet Chemistry by Method 9056	WG813560	5	09/05/15 18:11	09/05/15 18:11	NJM



EB-8-28-15-A L786033-24 GW

Collected by
JA/AECollected date/time
08/28/15 13:20Received date/time
08/29/15 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analysis Analyst
Gravimetric Analysis by Method 2540 C-2011	WG812601	1	09/01/15 12:44	09/02/15 15:46	MF
Mercury by Method 7470A	WG812697	1	09/01/15 09:54	09/01/15 14:58	TRB
Metals (ICP) by Method 6010B	WG812707	1	09/02/15 07:40	09/02/15 18:25	ST
Metals (ICPMS) by Method 6020	WG812713	1	09/02/15 17:43	09/03/15 01:19	AB
Semi Volatile Organic Compounds (GC/MS) by Method 8270 C	WG813193	1	09/03/15 18:38	09/04/15 07:38	ADF
Volatile Organic Compounds (GC/MS) by Method 8260B	WG813609	1	09/05/15 12:01	09/05/15 12:01	MCB
Wet Chemistry by Method 2320 B-2011	WG812796	1	09/03/15 08:38	09/03/15 08:38	MCG
Wet Chemistry by Method 353.2	WG813064	1	09/03/15 11:42	09/03/15 11:42	ASK
Wet Chemistry by Method 9040C	WG812617	1	09/02/15 09:16	09/02/15 09:16	SJM
Wet Chemistry by Method 9050A	WG812843	1	09/02/15 11:58	09/02/15 11:58	JER
Wet Chemistry by Method 9056	WG813560	1	09/05/15 18:27	09/05/15 18:27	NJM

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

EB-8-28-15-B L786033-25 GW

Collected by
JA/AECollected date/time
08/28/15 13:35Received date/time
08/29/15 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analysis Analyst
Gravimetric Analysis by Method 2540 C-2011	WG812601	1	09/01/15 12:44	09/02/15 15:49	MF
Mercury by Method 7470A	WG812695	1	09/01/15 09:57	09/01/15 15:40	TRB
Mercury by Method 7470A	WG812696	1	09/01/15 10:01	09/01/15 16:17	TRB
Metals (ICP) by Method 6010B	WG812707	1	09/02/15 07:40	09/02/15 18:28	ST
Metals (ICPMS) by Method 6020	WG812713	1	09/02/15 17:43	09/03/15 08:11	AB
Semi Volatile Organic Compounds (GC/MS) by Method 8270 C	WG813193	1	09/03/15 18:38	09/04/15 08:01	ADF
Volatile Organic Compounds (GC/MS) by Method 8260B	WG813609	1	09/05/15 12:21	09/05/15 12:21	MCB
Wet Chemistry by Method 2320 B-2011	WG812796	1	09/03/15 08:38	09/03/15 08:38	MCG
Wet Chemistry by Method 353.2	WG813064	1	09/03/15 11:43	09/03/15 11:43	ASK
Wet Chemistry by Method 9040C	WG812617	1	09/02/15 09:16	09/02/15 09:16	SJM
Wet Chemistry by Method 9050A	WG812843	1	09/02/15 11:58	09/02/15 11:58	JER
Wet Chemistry by Method 9056	WG813560	1	09/05/15 19:16	09/05/15 19:16	NJM

TB-8-28-15-A L786033-26 GW

Collected by
JA/AECollected date/time
08/28/15 00:00Received date/time
08/29/15 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analysis Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG814013	1	09/08/15 13:45	09/08/15 13:45	KLO



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.

Pam Langford
Technical Service Representative

Project Narrative

The LCS (Laboratory Control Sample) percent recoveries for 4-nitroaniline exceed the acceptance criteria in analytical batch WG812624. All associated samples were below detection limit for this compound, therefore the data was accepted without further analysis.

Sample Handling and Receiving

Prepared and/or analyzed past recommended holding time. Concentrations should be considered minimum values.

<u>ESC Sample ID</u>	<u>Project Sample ID</u>	<u>Method</u>
L786033-01	MW-13	9040C
L786033-02	MW-10	9040C
L786033-03	MW-28	9040C
L786033-04	MW-15	9040C
L786033-05	DUP-2	9040C
L786033-06	MW-16	9040C
L786033-07	MW-7	9040C
L786033-08	RW-1	9040C
L786033-09	MW-1	9040C
L786033-10	MW-14	9040C
L786033-11	MW-8	9040C
L786033-12	MW-6	9040C
L786033-13	MW-17R	9040C
L786033-14	MW-29	9040C
L786033-15	SOUTH WELL	9040C
L786033-16	DUP-3	9040C
L786033-17	EAST WELL	9040C
L786033-18	NORTH WELL	9040C
L786033-21	MW-4	9040C
L786033-22	MW-30	9040C
L786033-23	MW-2	9040C
L786033-24	EB-8-28-15-A	9040C
L786033-25	EB-8-28-15-B	9040C

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	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Dissolved Solids	1890		2.82	10.0	10.0	1	09/02/2015 16:00	WG812597

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Alkalinity	359		2.61	20.0	20.0	1	09/02/2015 14:06	WG812795

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Nitrate-Nitrite	0.956		0.0197	0.100	0.100	1	09/02/2015 15:08	WG812781

Wet Chemistry by Method 9040C

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	su			date / time	
pH	6.60	J	1	09/01/2015 15:55	WG812616

Sample Narrative:

9040C L786033-01 WG812616: 6.60 at 20.5c

Wet Chemistry by Method 9050A

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	umhos/cm			date / time	
Specific Conductance	2020		1	09/01/2015 11:53	WG812578

Wet Chemistry by Method 9056

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Chloride	396		0.519	1.00	10.0	10	09/08/2015 18:43	WG814058
Fluoride	0.505		0.0495	0.100	0.500	5	09/05/2015 14:46	WG813559
Sulfate	107		0.387	5.00	25.0	5	09/05/2015 14:46	WG813559

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Aluminum,Dissolved	U		0.0350	0.200	0.200	1	09/08/2015 11:28	WG812705
Calcium,Dissolved	280		0.0463	1.00	1.00	1	09/08/2015 11:28	WG812705
Iron,Dissolved	U		0.0141	0.100	0.100	1	09/08/2015 11:28	WG812705
Magnesium,Dissolved	36.5		0.0111	1.00	1.00	1	09/08/2015 11:28	WG812705
Potassium,Dissolved	4.93		0.102	1.00	1.00	1	09/08/2015 11:28	WG812705
Sodium,Dissolved	82.7		0.0985	1.00	1.00	1	09/08/2015 11:28	WG812705

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Arsenic,Dissolved	0.00301		0.000250	0.00200	0.00200	1	09/08/2015 14:44	WG812711
Barium,Dissolved	0.197		0.000360	0.00500	0.00500	1	09/08/2015 14:44	WG812711
Boron,Dissolved	0.231		0.00150	0.0200	0.0200	1	09/08/2015 17:42	WG812711
Cadmium,Dissolved	U		0.000160	0.00100	0.00100	1	09/08/2015 14:44	WG812711
Chromium,Dissolved	U		0.000540	0.00200	0.00200	1	09/08/2015 14:44	WG812711
Copper,Dissolved	0.00208	J	0.000520	0.00500	0.00500	1	09/08/2015 14:44	WG812711
Cobalt,Dissolved	0.00163	J	0.000260	0.00200	0.00200	1	09/08/2015 14:44	WG812711



Collected date/time: 08/26/15 18:05

L786033

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Lead,Dissolved	U		0.000240	0.00200	0.00200	1	09/08/2015 14:44	WG812711
Manganese,Dissolved	0.383		0.000250	0.00500	0.00500	1	09/08/2015 14:44	WG812711
Molybdenum,Dissolved	0.00143	U	0.000140	0.00500	0.00500	1	09/08/2015 14:44	WG812711
Nickel,Dissolved	0.00276		0.000350	0.00200	0.00200	1	09/08/2015 14:44	WG812711
Selenium,Dissolved	0.000710	U	0.000380	0.00200	0.00200	1	09/08/2015 14:44	WG812711
Silver,Dissolved	U		0.000310	0.00200	0.00200	1	09/08/2015 14:44	WG812711
Uranium,Dissolved	0.0112		0.000330	0.0100	0.0100	1	09/08/2015 14:44	WG812711
Zinc,Dissolved	0.00592	U	0.00256	0.0250	0.0250	1	09/08/2015 14:44	WG812711

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

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0100	1.00	1.00	1	09/05/2015 04:33	WG813608
Benzene	U		0.000331	0.00100	0.00100	1	09/05/2015 04:33	WG813608
Bromodichloromethane	U		0.000380	0.00125	0.00125	1	09/05/2015 04:33	WG813608
Bromoform	U		0.000469	0.00100	0.00100	1	09/05/2015 04:33	WG813608
Bromomethane	U		0.000866	0.00500	0.00500	1	09/05/2015 04:33	WG813608
n-Butylbenzene	U		0.000361	0.00100	0.00100	1	09/05/2015 04:33	WG813608
sec-Butylbenzene	0.00119		0.000365	0.00100	0.00100	1	09/05/2015 04:33	WG813608
tert-Butylbenzene	U		0.000399	0.00100	0.00100	1	09/05/2015 04:33	WG813608
Carbon disulfide	U		0.000275	0.00100	0.00100	1	09/05/2015 04:33	WG813608
Carbon tetrachloride	U		0.000379	0.00100	0.00100	1	09/05/2015 04:33	WG813608
Chlorobenzene	U		0.000348	0.00100	0.00100	1	09/05/2015 04:33	WG813608
Chlorodibromomethane	U		0.000327	0.00100	0.00100	1	09/05/2015 04:33	WG813608
Chloroethane	U		0.000453	0.00500	0.00500	1	09/05/2015 04:33	WG813608
Chloroform	U		0.000324	0.00500	0.00500	1	09/05/2015 04:33	WG813608
Chloromethane	U		0.000276	0.00250	0.00250	1	09/05/2015 04:33	WG813608
1,2-Dibromoethane	U		0.000381	0.00100	0.00100	1	09/05/2015 04:33	WG813608
1,1-Dichloroethane	U		0.000259	0.00100	0.00100	1	09/05/2015 04:33	WG813608
1,2-Dichloroethane	U		0.000361	0.00100	0.00100	1	09/05/2015 04:33	WG813608
1,1-Dichloroethene	U		0.000398	0.00100	0.00100	1	09/05/2015 04:33	WG813608
cis-1,2-Dichloroethene	U		0.000260	0.00100	0.00100	1	09/05/2015 04:33	WG813608
trans-1,2-Dichloroethene	U		0.000396	0.00100	0.00100	1	09/05/2015 04:33	WG813608
1,2-Dichloropropane	U		0.000306	0.00100	0.00100	1	09/05/2015 04:33	WG813608
cis-1,3-Dichloropropene	U		0.000418	0.00100	0.00100	1	09/05/2015 04:33	WG813608
trans-1,3-Dichloropropene	U		0.000419	0.00100	0.00100	1	09/05/2015 04:33	WG813608
Ethylbenzene	U		0.000384	0.00100	0.00100	1	09/05/2015 04:33	WG813608
Hexachloro-1,3-butadiene	U		0.000256	0.00100	0.00100	1	09/05/2015 04:33	WG813608
2-Hexanone	U		0.00382	0.0100	0.0100	1	09/05/2015 04:33	WG813608
Isopropylbenzene	U		0.000326	0.00100	0.00100	1	09/05/2015 04:33	WG813608
p-Isopropyltoluene	U		0.000350	0.00100	0.00100	1	09/05/2015 04:33	WG813608
2-Butanone (MEK)	U		0.00393	0.0100	0.0100	1	09/05/2015 04:33	WG813608
Methylene Chloride	U		0.00100	0.00500	0.00500	1	09/05/2015 04:33	WG813608
4-Methyl-2-pentanone (MIBK)	U		0.00214	0.0100	0.0100	1	09/05/2015 04:33	WG813608
Methyl tert-butyl ether	U		0.000367	0.00100	0.00100	1	09/05/2015 04:33	WG813608
Naphthalene	U		0.00100	0.00500	0.00500	1	09/05/2015 04:33	WG813608
n-Propylbenzene	U		0.000349	0.00100	0.00100	1	09/05/2015 04:33	WG813608
Styrene	U		0.000307	0.00100	0.00100	1	09/05/2015 04:33	WG813608
1,1,2,2-Tetrachloroethane	U		0.000130	0.00100	0.00100	1	09/05/2015 04:33	WG813608
Tetrachloroethene	U		0.000372	0.00100	0.00100	1	09/05/2015 04:33	WG813608
Toluene	U		0.000780	0.00500	0.00500	1	09/05/2015 04:33	WG813608
1,1,1-Trichloroethane	U		0.000319	0.00100	0.00100	1	09/05/2015 04:33	WG813608
1,1,2-Trichloroethane	U		0.000383	0.00100	0.00100	1	09/05/2015 04:33	WG813608
Trichloroethene	U		0.000398	0.00100	0.00100	1	09/05/2015 04:33	WG813608
1,2,4-Trimethylbenzene	U		0.000373	0.00100	0.00100	1	09/05/2015 04:33	WG813608
1,3,5-Trimethylbenzene	U		0.000387	0.00100	0.00100	1	09/05/2015 04:33	WG813608

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 mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Vinyl chloride	U		0.000259	0.00100	0.00100	1	09/05/2015 04:33	WG813608
Xylenes, Total	U		0.00106	0.00300	0.00300	1	09/05/2015 04:33	WG813608
(S) Toluene-d8	103				90.0-115		09/05/2015 04:33	WG813608
(S) Dibromofluoromethane	93.8				79.0-121		09/05/2015 04:33	WG813608
(S) 4-Bromofluorobenzene	99.0				80.1-120		09/05/2015 04:33	WG813608

Semi Volatile Organic Compounds (GC/MS) by Method 8270 C

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.000316	0.00100	0.00100	1	09/03/2015 05:22	WG812624
Acenaphthylene	U		0.000309	0.00100	0.00100	1	09/03/2015 05:22	WG812624
Acetophenone	U		0.00247	0.0100	0.0100	1	09/03/2015 05:22	WG812624
Anthracene	U		0.000291	0.00100	0.00100	1	09/03/2015 05:22	WG812624
Atrazine	U		0.000260	0.0100	0.0100	1	09/03/2015 05:22	WG812624
Benzo(a)anthracene	U		0.0000510	0.00100	0.00100	1	09/03/2015 05:22	WG812624
Benzaldehyde	U	J3	0.00140	0.0100	0.0100	1	09/03/2015 05:22	WG812624
Benzo(b)fluoranthene	U		0.0000896	0.00100	0.00100	1	09/03/2015 05:22	WG812624
Benzo(k)fluoranthene	U		0.000355	0.00100	0.00100	1	09/03/2015 05:22	WG812624
Benzo(g,h,i)perylene	U		0.00000227	0.00100	0.00100	1	09/03/2015 05:22	WG812624
Benzo(a)pyrene	U		0.0000381	0.000200	0.000200	1	09/03/2015 05:22	WG812624
Biphenyl	0.00124	J	0.000325	0.0100	0.0100	1	09/03/2015 05:22	WG812624
Bis(2-chlorethoxy)methane	U		0.000329	0.0100	0.0100	1	09/03/2015 05:22	WG812624
Bis(2-chloroethyl)ether	U		0.00162	0.0100	0.0100	1	09/03/2015 05:22	WG812624
Bis(2-chloroisopropyl)ether	U		0.000445	0.0100	0.0100	1	09/03/2015 05:22	WG812624
4-Bromophenyl-phenylether	U		0.000335	0.0100	0.0100	1	09/03/2015 05:22	WG812624
2-Chloronaphthalene	U		0.000330	0.00100	0.00100	1	09/03/2015 05:22	WG812624
4-Chlorophenyl-phenylether	U		0.000303	0.0100	0.0100	1	09/03/2015 05:22	WG812624
Caprolactam	0.0135		0.00259	0.0100	0.0100	1	09/03/2015 05:22	WG812624
Carbazole	U		0.000260	0.0100	0.0100	1	09/03/2015 05:22	WG812624
Chrysene	U		0.000332	0.00100	0.00100	1	09/03/2015 05:22	WG812624
Dibenz(a,h)anthracene	U		0.0000644	0.000200	0.000200	1	09/03/2015 05:22	WG812624
Dibenzofuran	0.000376	J	0.000338	0.0100	0.0100	1	09/03/2015 05:22	WG812624
3,3-Dichlorobenzidine	U		0.00202	0.0100	0.0100	1	09/03/2015 05:22	WG812624
2,4-Dinitrotoluene	U		0.00165	0.0100	0.0100	1	09/03/2015 05:22	WG812624
2,6-Dinitrotoluene	U		0.000279	0.0100	0.0100	1	09/03/2015 05:22	WG812624
Fluoranthene	U		0.000310	0.00100	0.00100	1	09/03/2015 05:22	WG812624
Fluorene	U		0.000323	0.00100	0.00100	1	09/03/2015 05:22	WG812624
Hexachlorobenzene	U		0.000341	0.00100	0.00100	1	09/03/2015 05:22	WG812624
Hexachloro-1,3-butadiene	U		0.000329	0.0100	0.0100	1	09/03/2015 05:22	WG812624
Hexachlorocyclopentadiene	U		0.00233	0.0100	0.0100	1	09/03/2015 05:22	WG812624
Hexachloroethane	U		0.000365	0.0100	0.0100	1	09/03/2015 05:22	WG812624
Indeno(1,2,3-cd)pyrene	U		0.000279	0.00100	0.00100	1	09/03/2015 05:22	WG812624
Isophorone	U		0.000272	0.0100	0.0100	1	09/03/2015 05:22	WG812624
1-Methylnaphthalene	U		0.000332	0.00100	0.00100	1	09/03/2015 05:22	WG812624
2-Methylnaphthalene	U		0.000311	0.00100	0.00100	1	09/03/2015 05:22	WG812624
Naphthalene	U		0.000372	0.00100	0.00100	1	09/03/2015 05:22	WG812624
Nitrobenzene	U		0.000367	0.0100	0.0100	1	09/03/2015 05:22	WG812624
n-Nitrosodiphenylamine	U		0.000304	0.0100	0.0100	1	09/03/2015 05:22	WG812624
n-Nitrosodi-n-propylamine	U		0.000403	0.0100	0.0100	1	09/03/2015 05:22	WG812624
Phenanthrene	U		0.000366	0.00100	0.00100	1	09/03/2015 05:22	WG812624
Benzylbutyl phthalate	U		0.000275	0.00300	0.00300	1	09/03/2015 05:22	WG812624
Bis(2-ethylhexyl)phthalate	0.00609		0.000709	0.00300	0.00300	1	09/03/2015 05:22	WG812624
Di-n-butyl phthalate	0.000569	J	0.000266	0.00300	0.00300	1	09/03/2015 05:22	WG812624
Diethyl phthalate	U		0.000282	0.00300	0.00300	1	09/03/2015 05:22	WG812624
Dimethyl phthalate	U		0.000283	0.00300	0.00300	1	09/03/2015 05:22	WG812624
Di-n-octyl phthalate	U		0.000278	0.00300	0.00300	1	09/03/2015 05:22	WG812624

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Collected date/time: 08/26/15 18:05

L786033

Semi Volatile Organic Compounds (GC/MS) by Method 8270 C

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Pyrene	U		0.000330	0.00100	0.00100	1	09/03/2015 05:22	WG812624
1,2,4-Trichlorobenzene	U		0.000355	0.0100	0.0100	1	09/03/2015 05:22	WG812624
4-Chloro-3-methylphenol	U		0.000263	0.0100	0.0100	1	09/03/2015 05:22	WG812624
2-Chlorophenol	U		0.000283	0.0100	0.0100	1	09/03/2015 05:22	WG812624
2,4-Dichlorophenol	U		0.000284	0.0100	0.0100	1	09/03/2015 05:22	WG812624
2,4-Dimethylphenol	U		0.000624	0.0100	0.0100	1	09/03/2015 05:22	WG812624
4,6-Dinitro-2-methylphenol	U		0.00262	0.0100	0.0100	1	09/03/2015 05:22	WG812624
2,4-Dinitrophenol	U	J3	0.00325	0.0100	0.0100	1	09/03/2015 05:22	WG812624
2-Nitrophenol	U		0.000320	0.0100	0.0100	1	09/03/2015 05:22	WG812624
2-Nitroaniline	U		0.00190	0.0100	0.0100	1	09/03/2015 05:22	WG812624
2-Methylphenol	U		0.000312	0.0100	0.0100	1	09/03/2015 05:22	WG812624
3&4-Methyl Phenol	U		0.000266	0.0100	0.0100	1	09/03/2015 05:22	WG812624
3-Nitroaniline	U		0.000308	0.0100	0.0100	1	09/03/2015 05:22	WG812624
4-Chloroaniline	U		0.000382	0.0100	0.0100	1	09/03/2015 05:22	WG812624
4-Nitroaniline	U	J4	0.000349	0.0100	0.0100	1	09/03/2015 05:22	WG812624
4-Nitrophenol	U		0.00201	0.0100	0.0100	1	09/03/2015 05:22	WG812624
Pentachlorophenol	U		0.000313	0.0100	0.0100	1	09/03/2015 05:22	WG812624
Phenol	0.000379	J	0.000334	0.0100	0.0100	1	09/03/2015 05:22	WG812624
2,4,5-Trichlorophenol	U		0.000236	0.0100	0.0100	1	09/03/2015 05:22	WG812624
2,4,6-Trichlorophenol	U		0.000297	0.0100	0.0100	1	09/03/2015 05:22	WG812624
(S) 2-Fluorophenol	56.1				10.0-77.9		09/03/2015 05:22	WG812624
(S) Phenol-d5	39.8				5.00-70.1		09/03/2015 05:22	WG812624
(S) Nitrobenzene-d5	101				21.8-123		09/03/2015 05:22	WG812624
(S) 2-Fluorobiphenyl	89.4				29.5-131		09/03/2015 05:22	WG812624
(S) 2,4,6-Tribromophenol	85.9				11.2-130		09/03/2015 05:22	WG812624
(S) p-Terphenyl-d14	95.7				29.3-137		09/03/2015 05:22	WG812624

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	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Dissolved Solids	551		2.82	10.0	10.0	1	09/02/2015 16:01	WG812597

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Alkalinity	196		2.61	20.0	20.0	1	09/02/2015 14:06	WG812795

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Nitrate-Nitrite	1.92		0.0197	0.100	0.100	1	09/02/2015 15:09	WG812781

Wet Chemistry by Method 9040C

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	su			date / time	
pH	7.15	J	1	09/01/2015 15:55	WG812616

Sample Narrative:

9040C L786033-02 WG812616: 7.15 at 19.8c

Wet Chemistry by Method 9050A

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	umhos/cm			date / time	
Specific Conductance	779		1	09/01/2015 11:53	WG812578

Wet Chemistry by Method 9056

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Chloride	115		0.156	1.00	3.00	3	09/05/2015 15:00	WG813559
Fluoride	1.19		0.0297	0.100	0.300	3	09/05/2015 15:00	WG813559
Sulfate	102		0.232	5.00	15.0	3	09/05/2015 15:00	WG813559

Mercury by Method 7470A

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Mercury	U		0.0000490	0.000200	0.000200	1	09/01/2015 14:11	WG812697

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Aluminum,Dissolved	U		0.0350	0.200	0.200	1	09/08/2015 11:31	WG812705
Calcium,Dissolved	103		0.0463	1.00	1.00	1	09/08/2015 11:31	WG812705
Iron,Dissolved	U		0.0141	0.100	0.100	1	09/08/2015 11:31	WG812705
Magnesium,Dissolved	12.8		0.0111	1.00	1.00	1	09/08/2015 11:31	WG812705
Potassium,Dissolved	2.24		0.102	1.00	1.00	1	09/08/2015 11:31	WG812705
Sodium,Dissolved	40.6		0.0985	1.00	1.00	1	09/08/2015 11:31	WG812705



Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Arsenic,Dissolved	0.00466		0.000250	0.00200	0.00200	1	09/08/2015 14:47	WG812711
Barium,Dissolved	0.0982		0.000360	0.00500	0.00500	1	09/08/2015 14:47	WG812711
Boron,Dissolved	0.154		0.00150	0.0200	0.0200	1	09/08/2015 17:44	WG812711
Cadmium,Dissolved	U		0.000160	0.00100	0.00100	1	09/08/2015 14:47	WG812711
Chromium,Dissolved	0.000709	U	0.000540	0.00200	0.00200	1	09/08/2015 14:47	WG812711
Copper,Dissolved	0.000803	U	0.000520	0.00500	0.00500	1	09/08/2015 14:47	WG812711
Cobalt,Dissolved	U		0.000260	0.00200	0.00200	1	09/08/2015 14:47	WG812711
Lead,Dissolved	U		0.000240	0.00200	0.00200	1	09/08/2015 14:47	WG812711
Manganese,Dissolved	U		0.000250	0.00500	0.00500	1	09/08/2015 14:47	WG812711
Molybdenum,Dissolved	0.00258	U	0.000140	0.00500	0.00500	1	09/08/2015 14:47	WG812711
Nickel,Dissolved	U		0.000350	0.00200	0.00200	1	09/08/2015 14:47	WG812711
Selenium,Dissolved	0.00283		0.000380	0.00200	0.00200	1	09/08/2015 14:47	WG812711
Silver,Dissolved	U		0.000310	0.00200	0.00200	1	09/08/2015 14:47	WG812711
Uranium,Dissolved	0.00158	U	0.000330	0.0100	0.0100	1	09/08/2015 14:47	WG812711
Zinc,Dissolved	U		0.00256	0.0250	0.0250	1	09/08/2015 14:47	WG812711

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 mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0100	1.00	1.00	1	09/05/2015 06:26	WG813608
Benzene	U		0.000331	0.00100	0.00100	1	09/05/2015 06:26	WG813608
Bromodichloromethane	U		0.000380	0.00125	0.00125	1	09/05/2015 06:26	WG813608
Bromoform	U		0.000469	0.00100	0.00100	1	09/05/2015 06:26	WG813608
Bromomethane	U		0.000866	0.00500	0.00500	1	09/05/2015 06:26	WG813608
n-Butylbenzene	U		0.000361	0.00100	0.00100	1	09/05/2015 06:26	WG813608
sec-Butylbenzene	U		0.000365	0.00100	0.00100	1	09/05/2015 06:26	WG813608
tert-Butylbenzene	U		0.000399	0.00100	0.00100	1	09/05/2015 06:26	WG813608
Carbon disulfide	U		0.000275	0.00100	0.00100	1	09/05/2015 06:26	WG813608
Carbon tetrachloride	U		0.000379	0.00100	0.00100	1	09/05/2015 06:26	WG813608
Chlorobenzene	U		0.000348	0.00100	0.00100	1	09/05/2015 06:26	WG813608
Chlorodibromomethane	U		0.000327	0.00100	0.00100	1	09/05/2015 06:26	WG813608
Chloroethane	U		0.000453	0.00500	0.00500	1	09/05/2015 06:26	WG813608
Chloroform	U		0.000324	0.00500	0.00500	1	09/05/2015 06:26	WG813608
Chloromethane	U		0.000276	0.00250	0.00250	1	09/05/2015 06:26	WG813608
1,2-Dibromoethane	U		0.000381	0.00100	0.00100	1	09/05/2015 06:26	WG813608
1,1-Dichloroethane	U		0.000259	0.00100	0.00100	1	09/05/2015 06:26	WG813608
1,2-Dichloroethane	U		0.000361	0.00100	0.00100	1	09/05/2015 06:26	WG813608
1,1-Dichloroethene	U		0.000398	0.00100	0.00100	1	09/05/2015 06:26	WG813608
cis-1,2-Dichloroethene	U		0.000260	0.00100	0.00100	1	09/05/2015 06:26	WG813608
trans-1,2-Dichloroethene	U		0.000396	0.00100	0.00100	1	09/05/2015 06:26	WG813608
1,2-Dichloropropane	U		0.000306	0.00100	0.00100	1	09/05/2015 06:26	WG813608
cis-1,3-Dichloropropene	U		0.000418	0.00100	0.00100	1	09/05/2015 06:26	WG813608
trans-1,3-Dichloropropene	U		0.000419	0.00100	0.00100	1	09/05/2015 06:26	WG813608
Ethylbenzene	U		0.000384	0.00100	0.00100	1	09/05/2015 06:26	WG813608
Hexachloro-1,3-butadiene	U		0.000256	0.00100	0.00100	1	09/05/2015 06:26	WG813608
2-Hexanone	U		0.00382	0.0100	0.0100	1	09/05/2015 06:26	WG813608
Isopropylbenzene	U		0.000326	0.00100	0.00100	1	09/05/2015 06:26	WG813608
p-Isopropyltoluene	U		0.000350	0.00100	0.00100	1	09/05/2015 06:26	WG813608
2-Butanone (MEK)	U		0.00393	0.0100	0.0100	1	09/05/2015 06:26	WG813608
Methylene Chloride	U		0.00100	0.00500	0.00500	1	09/05/2015 06:26	WG813608
4-Methyl-2-pentanone (MIBK)	U		0.00214	0.0100	0.0100	1	09/05/2015 06:26	WG813608
Methyl tert-butyl ether	U		0.000367	0.00100	0.00100	1	09/05/2015 06:26	WG813608
Naphthalene	U		0.00100	0.00500	0.00500	1	09/05/2015 06:26	WG813608
n-Propylbenzene	U		0.000349	0.00100	0.00100	1	09/05/2015 06:26	WG813608
Styrene	U		0.000307	0.00100	0.00100	1	09/05/2015 06:26	WG813608
1,1,2,2-Tetrachloroethane	U		0.000130	0.00100	0.00100	1	09/05/2015 06:26	WG813608

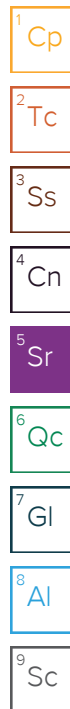


Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Tetrachloroethene	U		0.000372	0.00100	0.00100	1	09/05/2015 06:26	WG813608
Toluene	U		0.000780	0.00500	0.00500	1	09/05/2015 06:26	WG813608
1,1,1-Trichloroethane	U		0.000319	0.00100	0.00100	1	09/05/2015 06:26	WG813608
1,1,2-Trichloroethane	U		0.000383	0.00100	0.00100	1	09/05/2015 06:26	WG813608
Trichloroethene	U		0.000398	0.00100	0.00100	1	09/05/2015 06:26	WG813608
1,2,4-Trimethylbenzene	U		0.000373	0.00100	0.00100	1	09/05/2015 06:26	WG813608
1,3,5-Trimethylbenzene	U		0.000387	0.00100	0.00100	1	09/05/2015 06:26	WG813608
Vinyl chloride	U		0.000259	0.00100	0.00100	1	09/05/2015 06:26	WG813608
Xylenes, Total	U		0.00106	0.00300	0.00300	1	09/05/2015 06:26	WG813608
(S) Toluene-d8	101				90.0-115		09/05/2015 06:26	WG813608
(S) Dibromofluoromethane	93.8				79.0-121		09/05/2015 06:26	WG813608
(S) 4-Bromofluorobenzene	98.7				80.1-120		09/05/2015 06:26	WG813608

Semi Volatile Organic Compounds (GC/MS) by Method 8270 C

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.000316	0.00100	0.00100	1	09/03/2015 05:45	WG812624
Acenaphthylene	U		0.000309	0.00100	0.00100	1	09/03/2015 05:45	WG812624
Acetophenone	U		0.00247	0.0100	0.0100	1	09/03/2015 05:45	WG812624
Anthracene	U		0.000291	0.00100	0.00100	1	09/03/2015 05:45	WG812624
Atrazine	U		0.000260	0.0100	0.0100	1	09/03/2015 05:45	WG812624
Benzo(a)anthracene	U		0.0000510	0.00100	0.00100	1	09/03/2015 05:45	WG812624
Benzaldehyde	U	J3	0.00140	0.0100	0.0100	1	09/03/2015 05:45	WG812624
Benzo(b)fluoranthene	U		0.0000896	0.00100	0.00100	1	09/03/2015 05:45	WG812624
Benzo(k)fluoranthene	U		0.000355	0.00100	0.00100	1	09/03/2015 05:45	WG812624
Benzo(g,h,i)perylene	U		0.00000227	0.00100	0.00100	1	09/03/2015 05:45	WG812624
Benzo(a)pyrene	U		0.0000381	0.000200	0.000200	1	09/03/2015 05:45	WG812624
Biphenyl	U		0.000325	0.0100	0.0100	1	09/03/2015 05:45	WG812624
Bis(2-chlorethoxy)methane	U		0.000329	0.0100	0.0100	1	09/03/2015 05:45	WG812624
Bis(2-chloroethyl)ether	U		0.00162	0.0100	0.0100	1	09/03/2015 05:45	WG812624
Bis(2-chloroisopropyl)ether	U		0.000445	0.0100	0.0100	1	09/03/2015 05:45	WG812624
4-Bromophenyl-phenylether	U		0.000335	0.0100	0.0100	1	09/03/2015 05:45	WG812624
2-Chloronaphthalene	U		0.000330	0.00100	0.00100	1	09/03/2015 05:45	WG812624
4-Chlorophenyl-phenylether	U		0.000303	0.0100	0.0100	1	09/03/2015 05:45	WG812624
Caprolactam	U		0.00259	0.0100	0.0100	1	09/03/2015 05:45	WG812624
Carbazole	U		0.000260	0.0100	0.0100	1	09/03/2015 05:45	WG812624
Chrysene	U		0.000332	0.00100	0.00100	1	09/03/2015 05:45	WG812624
Dibenz(a,h)anthracene	U		0.0000644	0.000200	0.000200	1	09/03/2015 05:45	WG812624
Dibenzofuran	U		0.000338	0.0100	0.0100	1	09/03/2015 05:45	WG812624
3,3-Dichlorobenzidine	U		0.00202	0.0100	0.0100	1	09/03/2015 05:45	WG812624
2,4-Dinitrotoluene	U		0.00165	0.0100	0.0100	1	09/03/2015 05:45	WG812624
2,6-Dinitrotoluene	U		0.000279	0.0100	0.0100	1	09/03/2015 05:45	WG812624
Fluoranthene	U		0.000310	0.00100	0.00100	1	09/03/2015 05:45	WG812624
Fluorene	U		0.000323	0.00100	0.00100	1	09/03/2015 05:45	WG812624
Hexachlorobenzene	U		0.000341	0.00100	0.00100	1	09/03/2015 05:45	WG812624
Hexachloro-1,3-butadiene	U		0.000329	0.0100	0.0100	1	09/03/2015 05:45	WG812624
Hexachlorocyclopentadiene	U		0.00233	0.0100	0.0100	1	09/03/2015 05:45	WG812624
Hexachloroethane	U		0.000365	0.0100	0.0100	1	09/03/2015 05:45	WG812624
Indeno(1,2,3-cd)pyrene	U		0.000279	0.00100	0.00100	1	09/03/2015 05:45	WG812624
Isophorone	U		0.000272	0.0100	0.0100	1	09/03/2015 05:45	WG812624
1-Methylnaphthalene	U		0.000332	0.00100	0.00100	1	09/03/2015 05:45	WG812624
2-Methylnaphthalene	U		0.000311	0.00100	0.00100	1	09/03/2015 05:45	WG812624
Naphthalene	U		0.000372	0.00100	0.00100	1	09/03/2015 05:45	WG812624
Nitrobenzene	U		0.000367	0.0100	0.0100	1	09/03/2015 05:45	WG812624
n-Nitrosodiphenylamine	U		0.000304	0.0100	0.0100	1	09/03/2015 05:45	WG812624
n-Nitrosodi-n-propylamine	U		0.000403	0.0100	0.0100	1	09/03/2015 05:45	WG812624





Semi Volatile Organic Compounds (GC/MS) by Method 8270 C

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Phenanthrene	U		0.000366	0.00100	0.00100	1	09/03/2015 05:45	WG812624
Benzylbutyl phthalate	U		0.000275	0.00300	0.00300	1	09/03/2015 05:45	WG812624
Bis(2-ethylhexyl)phthalate	0.00354		0.000709	0.00300	0.00300	1	09/03/2015 05:45	WG812624
Di-n-butyl phthalate	0.000302	J	0.000266	0.00300	0.00300	1	09/03/2015 05:45	WG812624
Diethyl phthalate	U		0.000282	0.00300	0.00300	1	09/03/2015 05:45	WG812624
Dimethyl phthalate	U		0.000283	0.00300	0.00300	1	09/03/2015 05:45	WG812624
Di-n-octyl phthalate	U		0.000278	0.00300	0.00300	1	09/03/2015 05:45	WG812624
Pyrene	U		0.000330	0.00100	0.00100	1	09/03/2015 05:45	WG812624
1,2,4-Trichlorobenzene	U		0.000355	0.0100	0.0100	1	09/03/2015 05:45	WG812624
4-Chloro-3-methylphenol	U		0.000263	0.0100	0.0100	1	09/03/2015 05:45	WG812624
2-Chlorophenol	U		0.000283	0.0100	0.0100	1	09/03/2015 05:45	WG812624
2,4-Dichlorophenol	U		0.000284	0.0100	0.0100	1	09/03/2015 05:45	WG812624
2,4-Dimethylphenol	U		0.000624	0.0100	0.0100	1	09/03/2015 05:45	WG812624
4,6-Dinitro-2-methylphenol	U		0.00262	0.0100	0.0100	1	09/03/2015 05:45	WG812624
2,4-Dinitrophenol	U	J3	0.00325	0.0100	0.0100	1	09/03/2015 05:45	WG812624
2-Nitrophenol	U		0.000320	0.0100	0.0100	1	09/03/2015 05:45	WG812624
2-Nitroaniline	U		0.00190	0.0100	0.0100	1	09/03/2015 05:45	WG812624
2-Methylphenol	U		0.000312	0.0100	0.0100	1	09/03/2015 05:45	WG812624
3&4-Methyl Phenol	U		0.000266	0.0100	0.0100	1	09/03/2015 05:45	WG812624
3-Nitroaniline	U		0.000308	0.0100	0.0100	1	09/03/2015 05:45	WG812624
4-Chloroaniline	U		0.000382	0.0100	0.0100	1	09/03/2015 05:45	WG812624
4-Nitroaniline	U	J4	0.000349	0.0100	0.0100	1	09/03/2015 05:45	WG812624
4-Nitrophenol	U		0.00201	0.0100	0.0100	1	09/03/2015 05:45	WG812624
Pentachlorophenol	U		0.000313	0.0100	0.0100	1	09/03/2015 05:45	WG812624
Phenol	U		0.000334	0.0100	0.0100	1	09/03/2015 05:45	WG812624
2,4,5-Trichlorophenol	U		0.000236	0.0100	0.0100	1	09/03/2015 05:45	WG812624
2,4,6-Trichlorophenol	U		0.000297	0.0100	0.0100	1	09/03/2015 05:45	WG812624
(S) 2-Fluorophenol	53.1				10.0-77.9		09/03/2015 05:45	WG812624
(S) Phenol-d5	35.9				5.00-70.1		09/03/2015 05:45	WG812624
(S) Nitrobenzene-d5	81.0				21.8-123		09/03/2015 05:45	WG812624
(S) 2-Fluorobiphenyl	85.8				29.5-131		09/03/2015 05:45	WG812624
(S) 2,4,6-Tribromophenol	67.3				11.2-130		09/03/2015 05:45	WG812624
(S) p-Terphenyl-d14	78.6				29.3-137		09/03/2015 05:45	WG812624

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	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Dissolved Solids	549		2.82	10.0	10.0	1	09/02/2015 15:59	WG812597

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Alkalinity	207		2.61	20.0	20.0	1	09/02/2015 14:06	WG812795

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Nitrate-Nitrite	3.08		0.0197	0.100	0.100	1	09/02/2015 15:10	WG812781

Wet Chemistry by Method 9040C

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	su			date / time	
pH	6.96	J	1	09/01/2015 15:55	WG812616

Sample Narrative:

9040C L786033-03 WG812616: 6.96 at 19.6c

Wet Chemistry by Method 9050A

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	umhos/cm			date / time	
Specific Conductance	793		1	09/01/2015 11:53	WG812578

Wet Chemistry by Method 9056

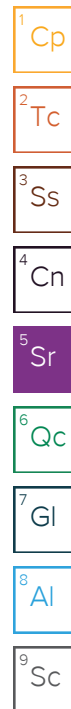
Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Chloride	142		0.156	1.00	3.00	3	09/05/2015 15:14	WG813559
Fluoride	3.07		0.0297	0.100	0.300	3	09/05/2015 15:14	WG813559
Sulfate	143		0.232	5.00	15.0	3	09/05/2015 15:14	WG813559

Mercury by Method 7470A

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Mercury	U		0.0000490	0.000200	0.000200	1	09/01/2015 14:18	WG812697

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Aluminum,Dissolved	U		0.0350	0.200	0.200	1	09/08/2015 11:40	WG812705
Calcium,Dissolved	105		0.0463	1.00	1.00	1	09/08/2015 11:40	WG812705
Iron,Dissolved	0.0385	J	0.0141	0.100	0.100	1	09/08/2015 11:40	WG812705
Magnesium,Dissolved	14.6		0.0111	1.00	1.00	1	09/08/2015 11:40	WG812705
Potassium,Dissolved	2.23		0.102	1.00	1.00	1	09/08/2015 11:40	WG812705
Sodium,Dissolved	43.3		0.0985	1.00	1.00	1	09/08/2015 11:40	WG812705





Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Arsenic,Dissolved	0.00433		0.000250	0.00200	0.00200	1	09/08/2015 14:49	WG812711
Barium,Dissolved	0.0849		0.000360	0.00500	0.00500	1	09/08/2015 14:49	WG812711
Boron,Dissolved	0.171		0.00150	0.0200	0.0200	1	09/08/2015 17:47	WG812711
Cadmium,Dissolved	U		0.000160	0.00100	0.00100	1	09/08/2015 14:49	WG812711
Chromium,Dissolved	U		0.000540	0.00200	0.00200	1	09/08/2015 14:49	WG812711
Copper,Dissolved	0.00598		0.000520	0.00500	0.00500	1	09/08/2015 14:49	WG812711
Cobalt,Dissolved	U		0.000260	0.00200	0.00200	1	09/08/2015 14:49	WG812711
Lead,Dissolved	U		0.000240	0.00200	0.00200	1	09/08/2015 14:49	WG812711
Manganese,Dissolved	0.000680	L	0.000250	0.00500	0.00500	1	09/08/2015 14:49	WG812711
Molybdenum,Dissolved	0.00186	L	0.000140	0.00500	0.00500	1	09/08/2015 14:49	WG812711
Nickel,Dissolved	U		0.000350	0.00200	0.00200	1	09/08/2015 14:49	WG812711
Selenium,Dissolved	0.00220		0.000380	0.00200	0.00200	1	09/08/2015 14:49	WG812711
Silver,Dissolved	U		0.000310	0.00200	0.00200	1	09/08/2015 14:49	WG812711
Uranium,Dissolved	0.00238	L	0.000330	0.0100	0.0100	1	09/08/2015 14:49	WG812711
Zinc,Dissolved	0.00393	L	0.00256	0.0250	0.0250	1	09/08/2015 14:49	WG812711

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 mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0100	1.00	1.00	1	09/05/2015 06:46	WG813608
Benzene	U		0.000331	0.00100	0.00100	1	09/05/2015 06:46	WG813608
Bromodichloromethane	U		0.000380	0.00125	0.00125	1	09/05/2015 06:46	WG813608
Bromoform	U		0.000469	0.00100	0.00100	1	09/05/2015 06:46	WG813608
Bromomethane	U		0.000866	0.00500	0.00500	1	09/05/2015 06:46	WG813608
n-Butylbenzene	U		0.000361	0.00100	0.00100	1	09/05/2015 06:46	WG813608
sec-Butylbenzene	U		0.000365	0.00100	0.00100	1	09/05/2015 06:46	WG813608
tert-Butylbenzene	U		0.000399	0.00100	0.00100	1	09/05/2015 06:46	WG813608
Carbon disulfide	U		0.000275	0.00100	0.00100	1	09/05/2015 06:46	WG813608
Carbon tetrachloride	U		0.000379	0.00100	0.00100	1	09/05/2015 06:46	WG813608
Chlorobenzene	U		0.000348	0.00100	0.00100	1	09/05/2015 06:46	WG813608
Chlorodibromomethane	U		0.000327	0.00100	0.00100	1	09/05/2015 06:46	WG813608
Chloroethane	U		0.000453	0.00500	0.00500	1	09/05/2015 06:46	WG813608
Chloroform	U		0.000324	0.00500	0.00500	1	09/05/2015 06:46	WG813608
Chloromethane	U		0.000276	0.00250	0.00250	1	09/05/2015 06:46	WG813608
1,2-Dibromoethane	U		0.000381	0.00100	0.00100	1	09/05/2015 06:46	WG813608
1,1-Dichloroethane	U		0.000259	0.00100	0.00100	1	09/05/2015 06:46	WG813608
1,2-Dichloroethane	U		0.000361	0.00100	0.00100	1	09/05/2015 06:46	WG813608
1,1-Dichloroethene	U		0.000398	0.00100	0.00100	1	09/05/2015 06:46	WG813608
cis-1,2-Dichloroethene	U		0.000260	0.00100	0.00100	1	09/05/2015 06:46	WG813608
trans-1,2-Dichloroethene	U		0.000396	0.00100	0.00100	1	09/05/2015 06:46	WG813608
1,2-Dichloropropane	U		0.000306	0.00100	0.00100	1	09/05/2015 06:46	WG813608
cis-1,3-Dichloropropene	U		0.000418	0.00100	0.00100	1	09/05/2015 06:46	WG813608
trans-1,3-Dichloropropene	U		0.000419	0.00100	0.00100	1	09/05/2015 06:46	WG813608
Ethylbenzene	U		0.000384	0.00100	0.00100	1	09/05/2015 06:46	WG813608
Hexachloro-1,3-butadiene	U		0.000256	0.00100	0.00100	1	09/05/2015 06:46	WG813608
2-Hexanone	U		0.00382	0.0100	0.0100	1	09/05/2015 06:46	WG813608
Isopropylbenzene	U		0.000326	0.00100	0.00100	1	09/05/2015 06:46	WG813608
p-Isopropyltoluene	U		0.000350	0.00100	0.00100	1	09/05/2015 06:46	WG813608
2-Butanone (MEK)	U		0.00393	0.0100	0.0100	1	09/05/2015 06:46	WG813608
Methylene Chloride	U		0.00100	0.00500	0.00500	1	09/05/2015 06:46	WG813608
4-Methyl-2-pentanone (MIBK)	U		0.00214	0.0100	0.0100	1	09/05/2015 06:46	WG813608
Methyl tert-butyl ether	U		0.000367	0.00100	0.00100	1	09/05/2015 06:46	WG813608
Naphthalene	U		0.00100	0.00500	0.00500	1	09/05/2015 06:46	WG813608
n-Propylbenzene	U		0.000349	0.00100	0.00100	1	09/05/2015 06:46	WG813608
Styrene	U		0.000307	0.00100	0.00100	1	09/05/2015 06:46	WG813608
1,1,2,2-Tetrachloroethane	U		0.000130	0.00100	0.00100	1	09/05/2015 06:46	WG813608

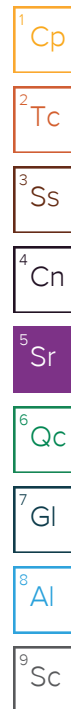


Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Tetrachloroethene	U		0.000372	0.00100	0.00100	1	09/05/2015 06:46	WG813608
Toluene	U		0.000780	0.00500	0.00500	1	09/05/2015 06:46	WG813608
1,1,1-Trichloroethane	U		0.000319	0.00100	0.00100	1	09/05/2015 06:46	WG813608
1,1,2-Trichloroethane	U		0.000383	0.00100	0.00100	1	09/05/2015 06:46	WG813608
Trichloroethene	U		0.000398	0.00100	0.00100	1	09/05/2015 06:46	WG813608
1,2,4-Trimethylbenzene	U		0.000373	0.00100	0.00100	1	09/05/2015 06:46	WG813608
1,3,5-Trimethylbenzene	U		0.000387	0.00100	0.00100	1	09/05/2015 06:46	WG813608
Vinyl chloride	U		0.000259	0.00100	0.00100	1	09/05/2015 06:46	WG813608
Xylenes, Total	U		0.00106	0.00300	0.00300	1	09/05/2015 06:46	WG813608
(S) Toluene-d8	101				90.0-115		09/05/2015 06:46	WG813608
(S) Dibromofluoromethane	92.8				79.0-121		09/05/2015 06:46	WG813608
(S) 4-Bromofluorobenzene	100				80.1-120		09/05/2015 06:46	WG813608

Semi Volatile Organic Compounds (GC/MS) by Method 8270 C

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.000316	0.00100	0.00100	1	09/03/2015 06:09	WG812624
Acenaphthylene	U		0.000309	0.00100	0.00100	1	09/03/2015 06:09	WG812624
Acetophenone	U		0.00247	0.0100	0.0100	1	09/03/2015 06:09	WG812624
Anthracene	U		0.000291	0.00100	0.00100	1	09/03/2015 06:09	WG812624
Atrazine	U		0.000260	0.0100	0.0100	1	09/03/2015 06:09	WG812624
Benzo(a)anthracene	U		0.0000510	0.00100	0.00100	1	09/03/2015 06:09	WG812624
Benzaldehyde	U	J3	0.00140	0.0100	0.0100	1	09/03/2015 06:09	WG812624
Benzo(b)fluoranthene	U		0.0000896	0.00100	0.00100	1	09/03/2015 06:09	WG812624
Benzo(k)fluoranthene	U		0.000355	0.00100	0.00100	1	09/03/2015 06:09	WG812624
Benzo(g,h,i)perylene	U		0.00000227	0.00100	0.00100	1	09/03/2015 06:09	WG812624
Benzo(a)pyrene	U		0.0000381	0.000200	0.000200	1	09/03/2015 06:09	WG812624
Biphenyl	U		0.000325	0.0100	0.0100	1	09/03/2015 06:09	WG812624
Bis(2-chlorethoxy)methane	U		0.000329	0.0100	0.0100	1	09/03/2015 06:09	WG812624
Bis(2-chloroethyl)ether	U		0.00162	0.0100	0.0100	1	09/03/2015 06:09	WG812624
Bis(2-chloroisopropyl)ether	U		0.000445	0.0100	0.0100	1	09/03/2015 06:09	WG812624
4-Bromophenyl-phenylether	U		0.000335	0.0100	0.0100	1	09/03/2015 06:09	WG812624
2-Chloronaphthalene	U		0.000330	0.00100	0.00100	1	09/03/2015 06:09	WG812624
4-Chlorophenyl-phenylether	U		0.000303	0.0100	0.0100	1	09/03/2015 06:09	WG812624
Caprolactam	U		0.00259	0.0100	0.0100	1	09/03/2015 06:09	WG812624
Carbazole	U		0.000260	0.0100	0.0100	1	09/03/2015 06:09	WG812624
Chrysene	U		0.000332	0.00100	0.00100	1	09/03/2015 06:09	WG812624
Dibenz(a,h)anthracene	U		0.0000644	0.000200	0.000200	1	09/03/2015 06:09	WG812624
Dibenzofuran	U		0.000338	0.0100	0.0100	1	09/03/2015 06:09	WG812624
3,3-Dichlorobenzidine	U		0.00202	0.0100	0.0100	1	09/03/2015 06:09	WG812624
2,4-Dinitrotoluene	U		0.00165	0.0100	0.0100	1	09/03/2015 06:09	WG812624
2,6-Dinitrotoluene	U		0.000279	0.0100	0.0100	1	09/03/2015 06:09	WG812624
Fluoranthene	U		0.000310	0.00100	0.00100	1	09/03/2015 06:09	WG812624
Fluorene	U		0.000323	0.00100	0.00100	1	09/03/2015 06:09	WG812624
Hexachlorobenzene	U		0.000341	0.00100	0.00100	1	09/03/2015 06:09	WG812624
Hexachloro-1,3-butadiene	U		0.000329	0.0100	0.0100	1	09/03/2015 06:09	WG812624
Hexachlorocyclopentadiene	U		0.00233	0.0100	0.0100	1	09/03/2015 06:09	WG812624
Hexachloroethane	U		0.000365	0.0100	0.0100	1	09/03/2015 06:09	WG812624
Indeno(1,2,3-cd)pyrene	U		0.000279	0.00100	0.00100	1	09/03/2015 06:09	WG812624
Isophorone	U		0.000272	0.0100	0.0100	1	09/03/2015 06:09	WG812624
1-Methylnaphthalene	U		0.000332	0.00100	0.00100	1	09/03/2015 06:09	WG812624
2-Methylnaphthalene	U		0.000311	0.00100	0.00100	1	09/03/2015 06:09	WG812624
Naphthalene	U		0.000372	0.00100	0.00100	1	09/03/2015 06:09	WG812624
Nitrobenzene	U		0.000367	0.0100	0.0100	1	09/03/2015 06:09	WG812624
n-Nitrosodiphenylamine	U		0.000304	0.0100	0.0100	1	09/03/2015 06:09	WG812624
n-Nitrosodi-n-propylamine	U		0.000403	0.0100	0.0100	1	09/03/2015 06:09	WG812624





Collected date/time: 08/27/15 07:48

L786033

Semi Volatile Organic Compounds (GC/MS) by Method 8270 C

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Phenanthrene	U		0.000366	0.00100	0.00100	1	09/03/2015 06:09	WG812624
Benzylbutyl phthalate	U		0.000275	0.00300	0.00300	1	09/03/2015 06:09	WG812624
Bis(2-ethylhexyl)phthalate	0.00288	J	0.000709	0.00300	0.00300	1	09/03/2015 06:09	WG812624
Di-n-butyl phthalate	0.000377	J	0.000266	0.00300	0.00300	1	09/03/2015 06:09	WG812624
Diethyl phthalate	U		0.000282	0.00300	0.00300	1	09/03/2015 06:09	WG812624
Dimethyl phthalate	U		0.000283	0.00300	0.00300	1	09/03/2015 06:09	WG812624
Di-n-octyl phthalate	U		0.000278	0.00300	0.00300	1	09/03/2015 06:09	WG812624
Pyrene	U		0.000330	0.00100	0.00100	1	09/03/2015 06:09	WG812624
1,2,4-Trichlorobenzene	U		0.000355	0.0100	0.0100	1	09/03/2015 06:09	WG812624
4-Chloro-3-methylphenol	U		0.000263	0.0100	0.0100	1	09/03/2015 06:09	WG812624
2-Chlorophenol	U		0.000283	0.0100	0.0100	1	09/03/2015 06:09	WG812624
2,4-Dichlorophenol	U		0.000284	0.0100	0.0100	1	09/03/2015 06:09	WG812624
2,4-Dimethylphenol	U		0.000624	0.0100	0.0100	1	09/03/2015 06:09	WG812624
4,6-Dinitro-2-methylphenol	U		0.00262	0.0100	0.0100	1	09/03/2015 06:09	WG812624
2,4-Dinitrophenol	U	J3	0.00325	0.0100	0.0100	1	09/03/2015 06:09	WG812624
2-Nitrophenol	U		0.000320	0.0100	0.0100	1	09/03/2015 06:09	WG812624
2-Nitroaniline	U		0.00190	0.0100	0.0100	1	09/03/2015 06:09	WG812624
2-Methylphenol	U		0.000312	0.0100	0.0100	1	09/03/2015 06:09	WG812624
3&4-Methyl Phenol	U		0.000266	0.0100	0.0100	1	09/03/2015 06:09	WG812624
3-Nitroaniline	U		0.000308	0.0100	0.0100	1	09/03/2015 06:09	WG812624
4-Chloroaniline	U		0.000382	0.0100	0.0100	1	09/03/2015 06:09	WG812624
4-Nitroaniline	U	J4	0.000349	0.0100	0.0100	1	09/03/2015 06:09	WG812624
4-Nitrophenol	U		0.00201	0.0100	0.0100	1	09/03/2015 06:09	WG812624
Pentachlorophenol	U		0.000313	0.0100	0.0100	1	09/03/2015 06:09	WG812624
Phenol	0.000774	J	0.000334	0.0100	0.0100	1	09/03/2015 06:09	WG812624
2,4,5-Trichlorophenol	U		0.000236	0.0100	0.0100	1	09/03/2015 06:09	WG812624
2,4,6-Trichlorophenol	U		0.000297	0.0100	0.0100	1	09/03/2015 06:09	WG812624
(S) 2-Fluorophenol	51.7				10.0-77.9		09/03/2015 06:09	WG812624
(S) Phenol-d5	42.2				5.00-70.1		09/03/2015 06:09	WG812624
(S) Nitrobenzene-d5	85.1				21.8-123		09/03/2015 06:09	WG812624
(S) 2-Fluorobiphenyl	88.7				29.5-131		09/03/2015 06:09	WG812624
(S) 2,4,6-Tribromophenol	80.5				11.2-130		09/03/2015 06:09	WG812624
(S) p-Terphenyl-d14	87.7				29.3-137		09/03/2015 06:09	WG812624

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	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Dissolved Solids	728		2.82	10.0	10.0	1	09/02/2015 16:01	WG812597

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Alkalinity	200		2.61	20.0	20.0	1	09/02/2015 14:06	WG812795

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Nitrate-Nitrite	8.48		0.0197	0.100	0.100	1	09/02/2015 15:11	WG812781

Wet Chemistry by Method 9040C

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	su			date / time	
pH	7.05	J	1	09/01/2015 15:55	WG812616

Sample Narrative:

9040C L786033-04 WG812616: 7.05 at 19.1c

Wet Chemistry by Method 9050A

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	umhos/cm			date / time	
Specific Conductance	1100		1	09/01/2015 11:53	WG812578

Wet Chemistry by Method 9056

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Chloride	181		0.156	1.00	3.00	3	09/05/2015 15:28	WG813559
Fluoride	1.13		0.0297	0.100	0.300	3	09/05/2015 15:28	WG813559
Sulfate	123		0.232	5.00	15.0	3	09/05/2015 15:28	WG813559

Mercury by Method 7470A

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Mercury	U		0.0000490	0.000200	0.000200	1	09/01/2015 14:20	WG812697

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Aluminum,Dissolved	U		0.0350	0.200	0.200	1	09/08/2015 11:43	WG812705
Calcium,Dissolved	107		0.0463	1.00	1.00	1	09/08/2015 11:43	WG812705
Iron,Dissolved	U		0.0141	0.100	0.100	1	09/08/2015 11:43	WG812705
Magnesium,Dissolved	15.7		0.0111	1.00	1.00	1	09/08/2015 11:43	WG812705
Potassium,Dissolved	3.33		0.102	1.00	1.00	1	09/08/2015 11:43	WG812705
Sodium,Dissolved	99.4		0.0985	1.00	1.00	1	09/08/2015 11:43	WG812705



Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Arsenic,Dissolved	0.00424		0.000250	0.00200	0.00200	1	09/09/2015 09:52	WG812711
Barium,Dissolved	0.146		0.000360	0.00500	0.00500	1	09/09/2015 09:52	WG812711
Boron,Dissolved	0.167		0.00150	0.0200	0.0200	1	09/09/2015 09:52	WG812711
Cadmium,Dissolved	U		0.000160	0.00100	0.00100	1	09/09/2015 09:52	WG812711
Chromium,Dissolved	0.00285		0.000540	0.00200	0.00200	1	09/09/2015 09:52	WG812711
Copper,Dissolved	0.00109	U	0.000520	0.00500	0.00500	1	09/09/2015 09:52	WG812711
Cobalt,Dissolved	U		0.000260	0.00200	0.00200	1	09/09/2015 09:52	WG812711
Lead,Dissolved	0.000373	U	0.000240	0.00200	0.00200	1	09/09/2015 09:52	WG812711
Manganese,Dissolved	0.000492	U	0.000250	0.00500	0.00500	1	09/09/2015 09:52	WG812711
Molybdenum,Dissolved	0.00249	U	0.000140	0.00500	0.00500	1	09/09/2015 09:52	WG812711
Nickel,Dissolved	0.000825	U	0.000350	0.00200	0.00200	1	09/09/2015 09:52	WG812711
Selenium,Dissolved	0.00232		0.000380	0.00200	0.00200	1	09/09/2015 09:52	WG812711
Silver,Dissolved	U		0.000310	0.00200	0.00200	1	09/09/2015 09:52	WG812711
Uranium,Dissolved	0.00220	U	0.000330	0.0100	0.0100	1	09/09/2015 09:52	WG812711
Zinc,Dissolved	U		0.00256	0.0250	0.0250	1	09/09/2015 09:52	WG812711

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 mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0100	1.00	1.00	1	09/05/2015 07:08	WG813608
Benzene	U		0.000331	0.00100	0.00100	1	09/05/2015 07:08	WG813608
Bromodichloromethane	0.00109	U	0.000380	0.00125	0.00125	1	09/05/2015 07:08	WG813608
Bromoform	U		0.000469	0.00100	0.00100	1	09/05/2015 07:08	WG813608
Bromomethane	U		0.000866	0.00500	0.00500	1	09/05/2015 07:08	WG813608
n-Butylbenzene	U		0.000361	0.00100	0.00100	1	09/05/2015 07:08	WG813608
sec-Butylbenzene	U		0.000365	0.00100	0.00100	1	09/05/2015 07:08	WG813608
tert-Butylbenzene	U		0.000399	0.00100	0.00100	1	09/05/2015 07:08	WG813608
Carbon disulfide	U		0.000275	0.00100	0.00100	1	09/05/2015 07:08	WG813608
Carbon tetrachloride	U		0.000379	0.00100	0.00100	1	09/05/2015 07:08	WG813608
Chlorobenzene	U		0.000348	0.00100	0.00100	1	09/05/2015 07:08	WG813608
Chlorodibromomethane	U		0.000327	0.00100	0.00100	1	09/05/2015 07:08	WG813608
Chloroethane	U		0.000453	0.00500	0.00500	1	09/05/2015 07:08	WG813608
Chloroform	0.00447	U	0.000324	0.00500	0.00500	1	09/05/2015 07:08	WG813608
Chloromethane	U		0.000276	0.00250	0.00250	1	09/05/2015 07:08	WG813608
1,2-Dibromoethane	U		0.000381	0.00100	0.00100	1	09/05/2015 07:08	WG813608
1,1-Dichloroethane	U		0.000259	0.00100	0.00100	1	09/05/2015 07:08	WG813608
1,2-Dichloroethane	U		0.000361	0.00100	0.00100	1	09/05/2015 07:08	WG813608
1,1-Dichloroethene	U		0.000398	0.00100	0.00100	1	09/05/2015 07:08	WG813608
cis-1,2-Dichloroethene	U		0.000260	0.00100	0.00100	1	09/05/2015 07:08	WG813608
trans-1,2-Dichloroethene	U		0.000396	0.00100	0.00100	1	09/05/2015 07:08	WG813608
1,2-Dichloropropane	U		0.000306	0.00100	0.00100	1	09/05/2015 07:08	WG813608
cis-1,3-Dichloropropene	U		0.000418	0.00100	0.00100	1	09/05/2015 07:08	WG813608
trans-1,3-Dichloropropene	U		0.000419	0.00100	0.00100	1	09/05/2015 07:08	WG813608
Ethylbenzene	U		0.000384	0.00100	0.00100	1	09/05/2015 07:08	WG813608
Hexachloro-1,3-butadiene	U		0.000256	0.00100	0.00100	1	09/05/2015 07:08	WG813608
2-Hexanone	U		0.00382	0.0100	0.0100	1	09/05/2015 07:08	WG813608
Isopropylbenzene	U		0.000326	0.00100	0.00100	1	09/05/2015 07:08	WG813608
p-Isopropyltoluene	U		0.000350	0.00100	0.00100	1	09/05/2015 07:08	WG813608
2-Butanone (MEK)	U		0.00393	0.0100	0.0100	1	09/05/2015 07:08	WG813608
Methylene Chloride	U		0.00100	0.00500	0.00500	1	09/05/2015 07:08	WG813608
4-Methyl-2-pentanone (MIBK)	U		0.00214	0.0100	0.0100	1	09/05/2015 07:08	WG813608
Methyl tert-butyl ether	U		0.000367	0.00100	0.00100	1	09/05/2015 07:08	WG813608
Naphthalene	U		0.00100	0.00500	0.00500	1	09/05/2015 07:08	WG813608
n-Propylbenzene	U		0.000349	0.00100	0.00100	1	09/05/2015 07:08	WG813608
Styrene	U		0.000307	0.00100	0.00100	1	09/05/2015 07:08	WG813608
1,1,2,2-Tetrachloroethane	U		0.000130	0.00100	0.00100	1	09/05/2015 07:08	WG813608



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

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Tetrachloroethene	U		0.000372	0.00100	0.00100	1	09/05/2015 07:08	WG813608
Toluene	U		0.000780	0.00500	0.00500	1	09/05/2015 07:08	WG813608
1,1,1-Trichloroethane	U		0.000319	0.00100	0.00100	1	09/05/2015 07:08	WG813608
1,1,2-Trichloroethane	U		0.000383	0.00100	0.00100	1	09/05/2015 07:08	WG813608
Trichloroethene	U		0.000398	0.00100	0.00100	1	09/05/2015 07:08	WG813608
1,2,4-Trimethylbenzene	U		0.000373	0.00100	0.00100	1	09/05/2015 07:08	WG813608
1,3,5-Trimethylbenzene	U		0.000387	0.00100	0.00100	1	09/05/2015 07:08	WG813608
Vinyl chloride	U		0.000259	0.00100	0.00100	1	09/05/2015 07:08	WG813608
Xylenes, Total	U		0.00106	0.00300	0.00300	1	09/05/2015 07:08	WG813608
(S) Toluene-d8	102				90.0-115		09/05/2015 07:08	WG813608
(S) Dibromofluoromethane	95.1				79.0-121		09/05/2015 07:08	WG813608
(S) 4-Bromofluorobenzene	98.5				80.1-120		09/05/2015 07:08	WG813608

Semi Volatile Organic Compounds (GC/MS) by Method 8270 C

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.000316	0.00100	0.00100	1	09/03/2015 06:32	WG812624
Acenaphthylene	U		0.000309	0.00100	0.00100	1	09/03/2015 06:32	WG812624
Acetophenone	U		0.00247	0.0100	0.0100	1	09/03/2015 06:32	WG812624
Anthracene	U		0.000291	0.00100	0.00100	1	09/03/2015 06:32	WG812624
Atrazine	0.000581	J	0.000260	0.0100	0.0100	1	09/03/2015 06:32	WG812624
Benzo(a)anthracene	U		0.0000510	0.00100	0.00100	1	09/03/2015 06:32	WG812624
Benzaldehyde	U	J3	0.00140	0.0100	0.0100	1	09/03/2015 06:32	WG812624
Benzo(b)fluoranthene	U		0.0000896	0.00100	0.00100	1	09/03/2015 06:32	WG812624
Benzo(k)fluoranthene	U		0.000355	0.00100	0.00100	1	09/03/2015 06:32	WG812624
Benzo(g,h,i)perylene	U		0.00000227	0.00100	0.00100	1	09/03/2015 06:32	WG812624
Benzo(a)pyrene	U		0.0000381	0.000200	0.000200	1	09/03/2015 06:32	WG812624
Biphenyl	U		0.000325	0.0100	0.0100	1	09/03/2015 06:32	WG812624
Bis(2-chlorethoxy)methane	U		0.000329	0.0100	0.0100	1	09/03/2015 06:32	WG812624
Bis(2-chloroethyl)ether	U		0.00162	0.0100	0.0100	1	09/03/2015 06:32	WG812624
Bis(2-chloroisopropyl)ether	U		0.000445	0.0100	0.0100	1	09/03/2015 06:32	WG812624
4-Bromophenyl-phenylether	U		0.000335	0.0100	0.0100	1	09/03/2015 06:32	WG812624
2-Chloronaphthalene	U		0.000330	0.00100	0.00100	1	09/03/2015 06:32	WG812624
4-Chlorophenyl-phenylether	U		0.000303	0.0100	0.0100	1	09/03/2015 06:32	WG812624
Caprolactam	U		0.00259	0.0100	0.0100	1	09/03/2015 06:32	WG812624
Carbazole	U		0.000260	0.0100	0.0100	1	09/03/2015 06:32	WG812624
Chrysene	U		0.000332	0.00100	0.00100	1	09/03/2015 06:32	WG812624
Dibenz(a,h)anthracene	U		0.0000644	0.000200	0.000200	1	09/03/2015 06:32	WG812624
Dibenzofuran	U		0.000338	0.0100	0.0100	1	09/03/2015 06:32	WG812624
3,3-Dichlorobenzidine	U		0.00202	0.0100	0.0100	1	09/03/2015 06:32	WG812624
2,4-Dinitrotoluene	U		0.00165	0.0100	0.0100	1	09/03/2015 06:32	WG812624
2,6-Dinitrotoluene	U		0.000279	0.0100	0.0100	1	09/03/2015 06:32	WG812624
Fluoranthene	U		0.000310	0.00100	0.00100	1	09/03/2015 06:32	WG812624
Fluorene	U		0.000323	0.00100	0.00100	1	09/03/2015 06:32	WG812624
Hexachlorobenzene	U		0.000341	0.00100	0.00100	1	09/03/2015 06:32	WG812624
Hexachloro-1,3-butadiene	U		0.000329	0.0100	0.0100	1	09/03/2015 06:32	WG812624
Hexachlorocyclopentadiene	U		0.00233	0.0100	0.0100	1	09/03/2015 06:32	WG812624
Hexachloroethane	U		0.000365	0.0100	0.0100	1	09/03/2015 06:32	WG812624
Indeno(1,2,3-cd)pyrene	U		0.000279	0.00100	0.00100	1	09/03/2015 06:32	WG812624
Isophorone	U		0.000272	0.0100	0.0100	1	09/03/2015 06:32	WG812624
1-Methylnaphthalene	U		0.000332	0.00100	0.00100	1	09/03/2015 06:32	WG812624
2-Methylnaphthalene	U		0.000311	0.00100	0.00100	1	09/03/2015 06:32	WG812624
Naphthalene	U		0.000372	0.00100	0.00100	1	09/03/2015 06:32	WG812624
Nitrobenzene	U		0.000367	0.0100	0.0100	1	09/03/2015 06:32	WG812624
n-Nitrosodiphenylamine	U		0.000304	0.0100	0.0100	1	09/03/2015 06:32	WG812624
n-Nitrosodi-n-propylamine	U		0.000403	0.0100	0.0100	1	09/03/2015 06:32	WG812624

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Collected date/time: 08/27/15 08:55

L786033

Semi Volatile Organic Compounds (GC/MS) by Method 8270 C

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Phenanthrene	U		0.000366	0.00100	0.00100	1	09/03/2015 06:32	WG812624
Benzylbutyl phthalate	U		0.000275	0.00300	0.00300	1	09/03/2015 06:32	WG812624
Bis(2-ethylhexyl)phthalate	0.00129	J	0.000709	0.00300	0.00300	1	09/03/2015 06:32	WG812624
Di-n-butyl phthalate	U		0.000266	0.00300	0.00300	1	09/03/2015 06:32	WG812624
Diethyl phthalate	U		0.000282	0.00300	0.00300	1	09/03/2015 06:32	WG812624
Dimethyl phthalate	U		0.000283	0.00300	0.00300	1	09/03/2015 06:32	WG812624
Di-n-octyl phthalate	U		0.000278	0.00300	0.00300	1	09/03/2015 06:32	WG812624
Pyrene	U		0.000330	0.00100	0.00100	1	09/03/2015 06:32	WG812624
1,2,4-Trichlorobenzene	U		0.000355	0.0100	0.0100	1	09/03/2015 06:32	WG812624
4-Chloro-3-methylphenol	U		0.000263	0.0100	0.0100	1	09/03/2015 06:32	WG812624
2-Chlorophenol	U		0.000283	0.0100	0.0100	1	09/03/2015 06:32	WG812624
2,4-Dichlorophenol	U		0.000284	0.0100	0.0100	1	09/03/2015 06:32	WG812624
2,4-Dimethylphenol	U		0.000624	0.0100	0.0100	1	09/03/2015 06:32	WG812624
4,6-Dinitro-2-methylphenol	U		0.00262	0.0100	0.0100	1	09/03/2015 06:32	WG812624
2,4-Dinitrophenol	U	J3	0.00325	0.0100	0.0100	1	09/03/2015 06:32	WG812624
2-Nitrophenol	U		0.000320	0.0100	0.0100	1	09/03/2015 06:32	WG812624
2-Nitroaniline	U		0.00190	0.0100	0.0100	1	09/03/2015 06:32	WG812624
2-Methylphenol	U		0.000312	0.0100	0.0100	1	09/03/2015 06:32	WG812624
3&4-Methyl Phenol	U		0.000266	0.0100	0.0100	1	09/03/2015 06:32	WG812624
3-Nitroaniline	U		0.000308	0.0100	0.0100	1	09/03/2015 06:32	WG812624
4-Chloroaniline	U		0.000382	0.0100	0.0100	1	09/03/2015 06:32	WG812624
4-Nitroaniline	U	J4	0.000349	0.0100	0.0100	1	09/03/2015 06:32	WG812624
4-Nitrophenol	U		0.00201	0.0100	0.0100	1	09/03/2015 06:32	WG812624
Pentachlorophenol	U		0.000313	0.0100	0.0100	1	09/03/2015 06:32	WG812624
Phenol	0.000997	J	0.000334	0.0100	0.0100	1	09/03/2015 06:32	WG812624
2,4,5-Trichlorophenol	U		0.000236	0.0100	0.0100	1	09/03/2015 06:32	WG812624
2,4,6-Trichlorophenol	U		0.000297	0.0100	0.0100	1	09/03/2015 06:32	WG812624
(S) 2-Fluorophenol	66.0				10.0-77.9		09/03/2015 06:32	WG812624
(S) Phenol-d5	48.5				5.00-70.1		09/03/2015 06:32	WG812624
(S) Nitrobenzene-d5	91.1				21.8-123		09/03/2015 06:32	WG812624
(S) 2-Fluorobiphenyl	95.7				29.5-131		09/03/2015 06:32	WG812624
(S) 2,4,6-Tribromophenol	93.5				11.2-130		09/03/2015 06:32	WG812624
(S) p-Terphenyl-d14	89.6				29.3-137		09/03/2015 06:32	WG812624

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	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Dissolved Solids	729		2.82	10.0	10.0	1	09/02/2015 16:01	WG812597

1
Cp2
Tc3
Ss4
Cn5
Sr6
Qc7
Gl8
Al9
Sc

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Alkalinity	199		2.61	20.0	20.0	1	09/02/2015 14:06	WG812795

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Nitrate-Nitrite	8.47		0.0197	0.100	0.100	1	09/02/2015 15:12	WG812781

Wet Chemistry by Method 9040C

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	su			date / time	
pH	7.14	J	1	09/01/2015 15:55	WG812616

Sample Narrative:

9040C L786033-05 WG812616: 7.14 at 19.3c

Wet Chemistry by Method 9050A

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	umhos/cm			date / time	
Specific Conductance	1110		1	09/01/2015 11:53	WG812578

Wet Chemistry by Method 9056

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Chloride	234		0.156	1.00	3.00	3	09/05/2015 15:42	WG813559
Fluoride	1.46		0.0297	0.100	0.300	3	09/05/2015 15:42	WG813559
Sulfate	158		0.232	5.00	15.0	3	09/05/2015 15:42	WG813559

Mercury by Method 7470A

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Mercury	U		0.0000490	0.000200	0.000200	1	09/01/2015 14:23	WG812697

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Aluminum,Dissolved	U		0.0350	0.200	0.200	1	09/08/2015 11:46	WG812705
Calcium,Dissolved	108		0.0463	1.00	1.00	1	09/08/2015 11:46	WG812705
Iron,Dissolved	0.0144	J	0.0141	0.100	0.100	1	09/08/2015 11:46	WG812705
Magnesium,Dissolved	15.9		0.0111	1.00	1.00	1	09/08/2015 11:46	WG812705
Potassium,Dissolved	3.29		0.102	1.00	1.00	1	09/08/2015 11:46	WG812705
Sodium,Dissolved	97.2		0.0985	1.00	1.00	1	09/08/2015 11:46	WG812705



Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Arsenic,Dissolved	0.00443		0.000250	0.00200	0.00200	1	09/08/2015 15:00	WG812711
Barium,Dissolved	0.146		0.000360	0.00500	0.00500	1	09/08/2015 15:00	WG812711
Boron,Dissolved	0.174		0.00150	0.0200	0.0200	1	09/08/2015 17:49	WG812711
Cadmium,Dissolved	U		0.000160	0.00100	0.00100	1	09/08/2015 15:00	WG812711
Chromium,Dissolved	0.00272		0.000540	0.00200	0.00200	1	09/08/2015 15:00	WG812711
Copper,Dissolved	U		0.000520	0.00500	0.00500	1	09/08/2015 15:00	WG812711
Cobalt,Dissolved	U		0.000260	0.00200	0.00200	1	09/08/2015 15:00	WG812711
Lead,Dissolved	U		0.000240	0.00200	0.00200	1	09/08/2015 15:00	WG812711
Manganese,Dissolved	0.000276	L	0.000250	0.00500	0.00500	1	09/08/2015 15:00	WG812711
Molybdenum,Dissolved	0.00254	L	0.000140	0.00500	0.00500	1	09/08/2015 15:00	WG812711
Nickel,Dissolved	0.000688	L	0.000350	0.00200	0.00200	1	09/08/2015 15:00	WG812711
Selenium,Dissolved	0.00253		0.000380	0.00200	0.00200	1	09/08/2015 15:00	WG812711
Silver,Dissolved	U		0.000310	0.00200	0.00200	1	09/08/2015 15:00	WG812711
Uranium,Dissolved	0.00200	L	0.000330	0.0100	0.0100	1	09/08/2015 15:00	WG812711
Zinc,Dissolved	U		0.00256	0.0250	0.0250	1	09/08/2015 15:00	WG812711

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 mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0100	1.00	1.00	1	09/05/2015 07:28	WG813608
Benzene	U		0.000331	0.00100	0.00100	1	09/05/2015 07:28	WG813608
Bromodichloromethane	0.00148		0.000380	0.00125	0.00125	1	09/05/2015 07:28	WG813608
Bromoform	U		0.000469	0.00100	0.00100	1	09/05/2015 07:28	WG813608
Bromomethane	U		0.000866	0.00500	0.00500	1	09/05/2015 07:28	WG813608
n-Butylbenzene	U		0.000361	0.00100	0.00100	1	09/05/2015 07:28	WG813608
sec-Butylbenzene	U		0.000365	0.00100	0.00100	1	09/05/2015 07:28	WG813608
tert-Butylbenzene	U		0.000399	0.00100	0.00100	1	09/05/2015 07:28	WG813608
Carbon disulfide	U		0.000275	0.00100	0.00100	1	09/05/2015 07:28	WG813608
Carbon tetrachloride	U		0.000379	0.00100	0.00100	1	09/05/2015 07:28	WG813608
Chlorobenzene	U		0.000348	0.00100	0.00100	1	09/05/2015 07:28	WG813608
Chlorodibromomethane	U		0.000327	0.00100	0.00100	1	09/05/2015 07:28	WG813608
Chloroethane	U		0.000453	0.00500	0.00500	1	09/05/2015 07:28	WG813608
Chloroform	0.00574		0.000324	0.00500	0.00500	1	09/05/2015 07:28	WG813608
Chloromethane	U		0.000276	0.00250	0.00250	1	09/05/2015 07:28	WG813608
1,2-Dibromoethane	U		0.000381	0.00100	0.00100	1	09/05/2015 07:28	WG813608
1,1-Dichloroethane	U		0.000259	0.00100	0.00100	1	09/05/2015 07:28	WG813608
1,2-Dichloroethane	U		0.000361	0.00100	0.00100	1	09/05/2015 07:28	WG813608
1,1-Dichloroethene	U		0.000398	0.00100	0.00100	1	09/05/2015 07:28	WG813608
cis-1,2-Dichloroethene	U		0.000260	0.00100	0.00100	1	09/05/2015 07:28	WG813608
trans-1,2-Dichloroethene	U		0.000396	0.00100	0.00100	1	09/05/2015 07:28	WG813608
1,2-Dichloropropane	U		0.000306	0.00100	0.00100	1	09/05/2015 07:28	WG813608
cis-1,3-Dichloropropene	U		0.000418	0.00100	0.00100	1	09/05/2015 07:28	WG813608
trans-1,3-Dichloropropene	U		0.000419	0.00100	0.00100	1	09/05/2015 07:28	WG813608
Ethylbenzene	U		0.000384	0.00100	0.00100	1	09/05/2015 07:28	WG813608
Hexachloro-1,3-butadiene	U		0.000256	0.00100	0.00100	1	09/05/2015 07:28	WG813608
2-Hexanone	U		0.00382	0.0100	0.0100	1	09/05/2015 07:28	WG813608
Isopropylbenzene	U		0.000326	0.00100	0.00100	1	09/05/2015 07:28	WG813608
p-Isopropyltoluene	U		0.000350	0.00100	0.00100	1	09/05/2015 07:28	WG813608
2-Butanone (MEK)	U		0.00393	0.0100	0.0100	1	09/05/2015 07:28	WG813608
Methylene Chloride	U		0.00100	0.00500	0.00500	1	09/05/2015 07:28	WG813608
4-Methyl-2-pentanone (MIBK)	U		0.00214	0.0100	0.0100	1	09/05/2015 07:28	WG813608
Methyl tert-butyl ether	U		0.000367	0.00100	0.00100	1	09/05/2015 07:28	WG813608
Naphthalene	U		0.00100	0.00500	0.00500	1	09/05/2015 07:28	WG813608
n-Propylbenzene	U		0.000349	0.00100	0.00100	1	09/05/2015 07:28	WG813608
Styrene	U		0.000307	0.00100	0.00100	1	09/05/2015 07:28	WG813608
1,1,2,2-Tetrachloroethane	U		0.000130	0.00100	0.00100	1	09/05/2015 07:28	WG813608



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

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Tetrachloroethene	U		0.000372	0.00100	0.00100	1	09/05/2015 07:28	WG813608
Toluene	U		0.000780	0.00500	0.00500	1	09/05/2015 07:28	WG813608
1,1,1-Trichloroethane	U		0.000319	0.00100	0.00100	1	09/05/2015 07:28	WG813608
1,1,2-Trichloroethane	U		0.000383	0.00100	0.00100	1	09/05/2015 07:28	WG813608
Trichloroethene	U		0.000398	0.00100	0.00100	1	09/05/2015 07:28	WG813608
1,2,4-Trimethylbenzene	U		0.000373	0.00100	0.00100	1	09/05/2015 07:28	WG813608
1,3,5-Trimethylbenzene	U		0.000387	0.00100	0.00100	1	09/05/2015 07:28	WG813608
Vinyl chloride	U		0.000259	0.00100	0.00100	1	09/05/2015 07:28	WG813608
Xylenes, Total	U		0.00106	0.00300	0.00300	1	09/05/2015 07:28	WG813608
(S) Toluene-d8	102				90.0-115		09/05/2015 07:28	WG813608
(S) Dibromofluoromethane	92.7				79.0-121		09/05/2015 07:28	WG813608
(S) 4-Bromofluorobenzene	99.7				80.1-120		09/05/2015 07:28	WG813608

Semi Volatile Organic Compounds (GC/MS) by Method 8270 C

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.000316	0.00100	0.00100	1	09/03/2015 06:55	WG812624
Acenaphthylene	U		0.000309	0.00100	0.00100	1	09/03/2015 06:55	WG812624
Acetophenone	U		0.00247	0.0100	0.0100	1	09/03/2015 06:55	WG812624
Anthracene	U		0.000291	0.00100	0.00100	1	09/03/2015 06:55	WG812624
Atrazine	0.000328	J	0.000260	0.0100	0.0100	1	09/03/2015 06:55	WG812624
Benzo(a)anthracene	U		0.0000510	0.00100	0.00100	1	09/03/2015 06:55	WG812624
Benzaldehyde	U	J3	0.00140	0.0100	0.0100	1	09/03/2015 06:55	WG812624
Benzo(b)fluoranthene	U		0.0000896	0.00100	0.00100	1	09/03/2015 06:55	WG812624
Benzo(k)fluoranthene	U		0.000355	0.00100	0.00100	1	09/03/2015 06:55	WG812624
Benzo(g,h,i)perylene	U		0.00000227	0.00100	0.00100	1	09/03/2015 06:55	WG812624
Benzo(a)pyrene	U		0.0000381	0.000200	0.000200	1	09/03/2015 06:55	WG812624
Biphenyl	U		0.000325	0.0100	0.0100	1	09/03/2015 06:55	WG812624
Bis(2-chlorethoxy)methane	U		0.000329	0.0100	0.0100	1	09/03/2015 06:55	WG812624
Bis(2-chloroethyl)ether	U		0.00162	0.0100	0.0100	1	09/03/2015 06:55	WG812624
Bis(2-chloroisopropyl)ether	U		0.000445	0.0100	0.0100	1	09/03/2015 06:55	WG812624
4-Bromophenyl-phenylether	U		0.000335	0.0100	0.0100	1	09/03/2015 06:55	WG812624
2-Chloronaphthalene	U		0.000330	0.00100	0.00100	1	09/03/2015 06:55	WG812624
4-Chlorophenyl-phenylether	U		0.000303	0.0100	0.0100	1	09/03/2015 06:55	WG812624
Caprolactam	U		0.00259	0.0100	0.0100	1	09/03/2015 06:55	WG812624
Carbazole	U		0.000260	0.0100	0.0100	1	09/03/2015 06:55	WG812624
Chrysene	U		0.000332	0.00100	0.00100	1	09/03/2015 06:55	WG812624
Dibenz(a,h)anthracene	U		0.0000644	0.000200	0.000200	1	09/03/2015 06:55	WG812624
Dibenzofuran	U		0.000338	0.0100	0.0100	1	09/03/2015 06:55	WG812624
3,3-Dichlorobenzidine	U		0.00202	0.0100	0.0100	1	09/03/2015 06:55	WG812624
2,4-Dinitrotoluene	U		0.00165	0.0100	0.0100	1	09/03/2015 06:55	WG812624
2,6-Dinitrotoluene	U		0.000279	0.0100	0.0100	1	09/03/2015 06:55	WG812624
Fluoranthene	U		0.000310	0.00100	0.00100	1	09/03/2015 06:55	WG812624
Fluorene	U		0.000323	0.00100	0.00100	1	09/03/2015 06:55	WG812624
Hexachlorobenzene	U		0.000341	0.00100	0.00100	1	09/03/2015 06:55	WG812624
Hexachloro-1,3-butadiene	U		0.000329	0.0100	0.0100	1	09/03/2015 06:55	WG812624
Hexachlorocyclopentadiene	U		0.00233	0.0100	0.0100	1	09/03/2015 06:55	WG812624
Hexachloroethane	U		0.000365	0.0100	0.0100	1	09/03/2015 06:55	WG812624
Indeno(1,2,3-cd)pyrene	U		0.000279	0.00100	0.00100	1	09/03/2015 06:55	WG812624
Isophorone	U		0.000272	0.0100	0.0100	1	09/03/2015 06:55	WG812624
1-Methylnaphthalene	U		0.000332	0.00100	0.00100	1	09/03/2015 06:55	WG812624
2-Methylnaphthalene	U		0.000311	0.00100	0.00100	1	09/03/2015 06:55	WG812624
Naphthalene	U		0.000372	0.00100	0.00100	1	09/03/2015 06:55	WG812624
Nitrobenzene	U		0.000367	0.0100	0.0100	1	09/03/2015 06:55	WG812624
n-Nitrosodiphenylamine	U		0.000304	0.0100	0.0100	1	09/03/2015 06:55	WG812624
n-Nitrosodi-n-propylamine	U		0.000403	0.0100	0.0100	1	09/03/2015 06:55	WG812624

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Semi Volatile Organic Compounds (GC/MS) by Method 8270 C

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Phenanthrene	U		0.000366	0.00100	0.00100	1	09/03/2015 06:55	WG812624
Benzylbutyl phthalate	U		0.000275	0.00300	0.00300	1	09/03/2015 06:55	WG812624
Bis(2-ethylhexyl)phthalate	0.00107	J	0.000709	0.00300	0.00300	1	09/03/2015 06:55	WG812624
Di-n-butyl phthalate	0.000531	J	0.000266	0.00300	0.00300	1	09/03/2015 06:55	WG812624
Diethyl phthalate	U		0.000282	0.00300	0.00300	1	09/03/2015 06:55	WG812624
Dimethyl phthalate	U		0.000283	0.00300	0.00300	1	09/03/2015 06:55	WG812624
Di-n-octyl phthalate	U		0.000278	0.00300	0.00300	1	09/03/2015 06:55	WG812624
Pyrene	U		0.000330	0.00100	0.00100	1	09/03/2015 06:55	WG812624
1,2,4-Trichlorobenzene	U		0.000355	0.0100	0.0100	1	09/03/2015 06:55	WG812624
4-Chloro-3-methylphenol	U		0.000263	0.0100	0.0100	1	09/03/2015 06:55	WG812624
2-Chlorophenol	U		0.000283	0.0100	0.0100	1	09/03/2015 06:55	WG812624
2,4-Dichlorophenol	U		0.000284	0.0100	0.0100	1	09/03/2015 06:55	WG812624
2,4-Dimethylphenol	U		0.000624	0.0100	0.0100	1	09/03/2015 06:55	WG812624
4,6-Dinitro-2-methylphenol	U		0.00262	0.0100	0.0100	1	09/03/2015 06:55	WG812624
2,4-Dinitrophenol	U	J3	0.00325	0.0100	0.0100	1	09/03/2015 06:55	WG812624
2-Nitrophenol	U		0.000320	0.0100	0.0100	1	09/03/2015 06:55	WG812624
2-Nitroaniline	U		0.00190	0.0100	0.0100	1	09/03/2015 06:55	WG812624
2-Methylphenol	U		0.000312	0.0100	0.0100	1	09/03/2015 06:55	WG812624
3&4-Methyl Phenol	U		0.000266	0.0100	0.0100	1	09/03/2015 06:55	WG812624
3-Nitroaniline	U		0.000308	0.0100	0.0100	1	09/03/2015 06:55	WG812624
4-Chloroaniline	U		0.000382	0.0100	0.0100	1	09/03/2015 06:55	WG812624
4-Nitroaniline	U	J4	0.000349	0.0100	0.0100	1	09/03/2015 06:55	WG812624
4-Nitrophenol	U		0.00201	0.0100	0.0100	1	09/03/2015 06:55	WG812624
Pentachlorophenol	U		0.000313	0.0100	0.0100	1	09/03/2015 06:55	WG812624
Phenol	0.000595	J	0.000334	0.0100	0.0100	1	09/03/2015 06:55	WG812624
2,4,5-Trichlorophenol	U		0.000236	0.0100	0.0100	1	09/03/2015 06:55	WG812624
2,4,6-Trichlorophenol	U		0.000297	0.0100	0.0100	1	09/03/2015 06:55	WG812624
(S) 2-Fluorophenol	58.8				10.0-77.9		09/03/2015 06:55	WG812624
(S) Phenol-d5	45.9				5.00-70.1		09/03/2015 06:55	WG812624
(S) Nitrobenzene-d5	100				21.8-123		09/03/2015 06:55	WG812624
(S) 2-Fluorobiphenyl	86.8				29.5-131		09/03/2015 06:55	WG812624
(S) 2,4,6-Tribromophenol	77.9				11.2-130		09/03/2015 06:55	WG812624
(S) p-Terphenyl-d14	82.2				29.3-137		09/03/2015 06:55	WG812624

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	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Dissolved Solids	408		2.82	10.0	10.0	1	09/02/2015 16:01	WG812597

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Alkalinity	198		2.61	20.0	20.0	1	09/02/2015 14:06	WG812795

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Nitrate-Nitrite	2.34		0.0197	0.100	0.100	1	09/02/2015 15:14	WG812781

Wet Chemistry by Method 9040C

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	su			date / time	
pH	7.18	J	1	09/01/2015 15:55	WG812616

Sample Narrative:

9040C L786033-06 WG812616: 7.18 at 19.4c

Wet Chemistry by Method 9050A

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	umhos/cm			date / time	
Specific Conductance	575		1	09/01/2015 11:53	WG812578

Wet Chemistry by Method 9056

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Chloride	21.3		0.0519	1.00	1.00	1	09/05/2015 15:56	WG813559
Fluoride	1.07		0.00990	0.100	0.100	1	09/05/2015 15:56	WG813559
Sulfate	66.0		0.0774	5.00	5.00	1	09/05/2015 15:56	WG813559

Mercury by Method 7470A

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Mercury	U		0.0000490	0.000200	0.000200	1	09/01/2015 14:25	WG812697

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Aluminum,Dissolved	U		0.0350	0.200	0.200	1	09/08/2015 11:50	WG812705
Calcium,Dissolved	75.8		0.0463	1.00	1.00	1	09/08/2015 11:50	WG812705
Iron,Dissolved	U		0.0141	0.100	0.100	1	09/08/2015 11:50	WG812705
Magnesium,Dissolved	9.57		0.0111	1.00	1.00	1	09/08/2015 11:50	WG812705
Potassium,Dissolved	2.09		0.102	1.00	1.00	1	09/08/2015 11:50	WG812705
Sodium,Dissolved	37.6		0.0985	1.00	1.00	1	09/08/2015 11:50	WG812705



Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Arsenic,Dissolved	0.00528		0.000250	0.00200	0.00200	1	09/08/2015 15:02	WG812711
Barium,Dissolved	0.0936		0.000360	0.00500	0.00500	1	09/08/2015 15:02	WG812711
Boron,Dissolved	0.176		0.00150	0.0200	0.0200	1	09/08/2015 17:51	WG812711
Cadmium,Dissolved	U		0.000160	0.00100	0.00100	1	09/08/2015 15:02	WG812711
Chromium,Dissolved	U		0.000540	0.00200	0.00200	1	09/08/2015 15:02	WG812711
Copper,Dissolved	0.000638	U	0.000520	0.00500	0.00500	1	09/08/2015 15:02	WG812711
Cobalt,Dissolved	U		0.000260	0.00200	0.00200	1	09/08/2015 15:02	WG812711
Lead,Dissolved	U		0.000240	0.00200	0.00200	1	09/08/2015 15:02	WG812711
Manganese,Dissolved	0.000312	U	0.000250	0.00500	0.00500	1	09/08/2015 15:02	WG812711
Molybdenum,Dissolved	0.00293	U	0.000140	0.00500	0.00500	1	09/08/2015 15:02	WG812711
Nickel,Dissolved	U		0.000350	0.00200	0.00200	1	09/08/2015 15:02	WG812711
Selenium,Dissolved	0.00228		0.000380	0.00200	0.00200	1	09/08/2015 15:02	WG812711
Silver,Dissolved	U		0.000310	0.00200	0.00200	1	09/08/2015 15:02	WG812711
Uranium,Dissolved	0.00156	U	0.000330	0.0100	0.0100	1	09/08/2015 15:02	WG812711
Zinc,Dissolved	0.00343	U	0.00256	0.0250	0.0250	1	09/08/2015 15:02	WG812711

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 mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0100	1.00	1.00	1	09/05/2015 07:47	WG813608
Benzene	U		0.000331	0.00100	0.00100	1	09/05/2015 07:47	WG813608
Bromodichloromethane	U		0.000380	0.00125	0.00125	1	09/05/2015 07:47	WG813608
Bromoform	U		0.000469	0.00100	0.00100	1	09/05/2015 07:47	WG813608
Bromomethane	U		0.000866	0.00500	0.00500	1	09/05/2015 07:47	WG813608
n-Butylbenzene	U		0.000361	0.00100	0.00100	1	09/05/2015 07:47	WG813608
sec-Butylbenzene	U		0.000365	0.00100	0.00100	1	09/05/2015 07:47	WG813608
tert-Butylbenzene	U		0.000399	0.00100	0.00100	1	09/05/2015 07:47	WG813608
Carbon disulfide	U		0.000275	0.00100	0.00100	1	09/05/2015 07:47	WG813608
Carbon tetrachloride	U		0.000379	0.00100	0.00100	1	09/05/2015 07:47	WG813608
Chlorobenzene	U		0.000348	0.00100	0.00100	1	09/05/2015 07:47	WG813608
Chlorodibromomethane	U		0.000327	0.00100	0.00100	1	09/05/2015 07:47	WG813608
Chloroethane	U		0.000453	0.00500	0.00500	1	09/05/2015 07:47	WG813608
Chloroform	U		0.000324	0.00500	0.00500	1	09/05/2015 07:47	WG813608
Chloromethane	U		0.000276	0.00250	0.00250	1	09/05/2015 07:47	WG813608
1,2-Dibromoethane	U		0.000381	0.00100	0.00100	1	09/05/2015 07:47	WG813608
1,1-Dichloroethane	U		0.000259	0.00100	0.00100	1	09/05/2015 07:47	WG813608
1,2-Dichloroethane	U		0.000361	0.00100	0.00100	1	09/05/2015 07:47	WG813608
1,1-Dichloroethene	U		0.000398	0.00100	0.00100	1	09/05/2015 07:47	WG813608
cis-1,2-Dichloroethene	U		0.000260	0.00100	0.00100	1	09/05/2015 07:47	WG813608
trans-1,2-Dichloroethene	U		0.000396	0.00100	0.00100	1	09/05/2015 07:47	WG813608
1,2-Dichloropropane	U		0.000306	0.00100	0.00100	1	09/05/2015 07:47	WG813608
cis-1,3-Dichloropropene	U		0.000418	0.00100	0.00100	1	09/05/2015 07:47	WG813608
trans-1,3-Dichloropropene	U		0.000419	0.00100	0.00100	1	09/05/2015 07:47	WG813608
Ethylbenzene	U		0.000384	0.00100	0.00100	1	09/05/2015 07:47	WG813608
Hexachloro-1,3-butadiene	U		0.000256	0.00100	0.00100	1	09/05/2015 07:47	WG813608
2-Hexanone	U		0.00382	0.0100	0.0100	1	09/05/2015 07:47	WG813608
Isopropylbenzene	U		0.000326	0.00100	0.00100	1	09/05/2015 07:47	WG813608
p-Isopropyltoluene	U		0.000350	0.00100	0.00100	1	09/05/2015 07:47	WG813608
2-Butanone (MEK)	U		0.00393	0.0100	0.0100	1	09/05/2015 07:47	WG813608
Methylene Chloride	U		0.00100	0.00500	0.00500	1	09/05/2015 07:47	WG813608
4-Methyl-2-pentanone (MIBK)	U		0.00214	0.0100	0.0100	1	09/05/2015 07:47	WG813608
Methyl tert-butyl ether	U		0.000367	0.00100	0.00100	1	09/05/2015 07:47	WG813608
Naphthalene	U		0.00100	0.00500	0.00500	1	09/05/2015 07:47	WG813608
n-Propylbenzene	U		0.000349	0.00100	0.00100	1	09/05/2015 07:47	WG813608
Styrene	U		0.000307	0.00100	0.00100	1	09/05/2015 07:47	WG813608
1,1,2,2-Tetrachloroethane	U		0.000130	0.00100	0.00100	1	09/05/2015 07:47	WG813608

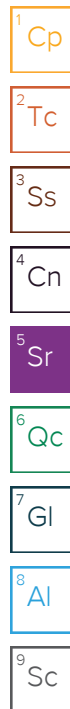


Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Tetrachloroethene	U		0.000372	0.00100	0.00100	1	09/05/2015 07:47	WG813608
Toluene	U		0.000780	0.00500	0.00500	1	09/05/2015 07:47	WG813608
1,1,1-Trichloroethane	U		0.000319	0.00100	0.00100	1	09/05/2015 07:47	WG813608
1,1,2-Trichloroethane	U		0.000383	0.00100	0.00100	1	09/05/2015 07:47	WG813608
Trichloroethene	U		0.000398	0.00100	0.00100	1	09/05/2015 07:47	WG813608
1,2,4-Trimethylbenzene	U		0.000373	0.00100	0.00100	1	09/05/2015 07:47	WG813608
1,3,5-Trimethylbenzene	U		0.000387	0.00100	0.00100	1	09/05/2015 07:47	WG813608
Vinyl chloride	U		0.000259	0.00100	0.00100	1	09/05/2015 07:47	WG813608
Xylenes, Total	U		0.00106	0.00300	0.00300	1	09/05/2015 07:47	WG813608
(S) Toluene-d8	102				90.0-115		09/05/2015 07:47	WG813608
(S) Dibromofluoromethane	93.4				79.0-121		09/05/2015 07:47	WG813608
(S) 4-Bromofluorobenzene	97.3				80.1-120		09/05/2015 07:47	WG813608

Semi Volatile Organic Compounds (GC/MS) by Method 8270 C

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.000316	0.00100	0.00100	1	09/03/2015 07:19	WG812624
Acenaphthylene	U		0.000309	0.00100	0.00100	1	09/03/2015 07:19	WG812624
Acetophenone	U		0.00247	0.0100	0.0100	1	09/03/2015 07:19	WG812624
Anthracene	U		0.000291	0.00100	0.00100	1	09/03/2015 07:19	WG812624
Atrazine	U		0.000260	0.0100	0.0100	1	09/03/2015 07:19	WG812624
Benzo(a)anthracene	U		0.0000510	0.00100	0.00100	1	09/03/2015 07:19	WG812624
Benzaldehyde	U	J3	0.00140	0.0100	0.0100	1	09/03/2015 07:19	WG812624
Benzo(b)fluoranthene	U		0.0000896	0.00100	0.00100	1	09/03/2015 07:19	WG812624
Benzo(k)fluoranthene	U		0.000355	0.00100	0.00100	1	09/03/2015 07:19	WG812624
Benzo(g,h,i)perylene	U		0.00000227	0.00100	0.00100	1	09/03/2015 07:19	WG812624
Benzo(a)pyrene	U		0.0000381	0.000200	0.000200	1	09/03/2015 07:19	WG812624
Biphenyl	U		0.000325	0.0100	0.0100	1	09/03/2015 07:19	WG812624
Bis(2-chlorethoxy)methane	U		0.000329	0.0100	0.0100	1	09/03/2015 07:19	WG812624
Bis(2-chloroethyl)ether	U		0.00162	0.0100	0.0100	1	09/03/2015 07:19	WG812624
Bis(2-chloroisopropyl)ether	U		0.000445	0.0100	0.0100	1	09/03/2015 07:19	WG812624
4-Bromophenyl-phenylether	U		0.000335	0.0100	0.0100	1	09/03/2015 07:19	WG812624
2-Chloronaphthalene	U		0.000330	0.00100	0.00100	1	09/03/2015 07:19	WG812624
4-Chlorophenyl-phenylether	U		0.000303	0.0100	0.0100	1	09/03/2015 07:19	WG812624
Caprolactam	U		0.00259	0.0100	0.0100	1	09/03/2015 07:19	WG812624
Carbazole	U		0.000260	0.0100	0.0100	1	09/03/2015 07:19	WG812624
Chrysene	U		0.000332	0.00100	0.00100	1	09/03/2015 07:19	WG812624
Dibenz(a,h)anthracene	U		0.0000644	0.000200	0.000200	1	09/03/2015 07:19	WG812624
Dibenzofuran	U		0.000338	0.0100	0.0100	1	09/03/2015 07:19	WG812624
3,3-Dichlorobenzidine	U		0.00202	0.0100	0.0100	1	09/03/2015 07:19	WG812624
2,4-Dinitrotoluene	U		0.00165	0.0100	0.0100	1	09/03/2015 07:19	WG812624
2,6-Dinitrotoluene	U		0.000279	0.0100	0.0100	1	09/03/2015 07:19	WG812624
Fluoranthene	U		0.000310	0.00100	0.00100	1	09/03/2015 07:19	WG812624
Fluorene	U		0.000323	0.00100	0.00100	1	09/03/2015 07:19	WG812624
Hexachlorobenzene	U		0.000341	0.00100	0.00100	1	09/03/2015 07:19	WG812624
Hexachloro-1,3-butadiene	U		0.000329	0.0100	0.0100	1	09/03/2015 07:19	WG812624
Hexachlorocyclopentadiene	U		0.00233	0.0100	0.0100	1	09/03/2015 07:19	WG812624
Hexachloroethane	U		0.000365	0.0100	0.0100	1	09/03/2015 07:19	WG812624
Indeno(1,2,3-cd)pyrene	U		0.000279	0.00100	0.00100	1	09/03/2015 07:19	WG812624
Isophorone	U		0.000272	0.0100	0.0100	1	09/03/2015 07:19	WG812624
1-Methylnaphthalene	U		0.000332	0.00100	0.00100	1	09/03/2015 07:19	WG812624
2-Methylnaphthalene	U		0.000311	0.00100	0.00100	1	09/03/2015 07:19	WG812624
Naphthalene	U		0.000372	0.00100	0.00100	1	09/03/2015 07:19	WG812624
Nitrobenzene	U		0.000367	0.0100	0.0100	1	09/03/2015 07:19	WG812624
n-Nitrosodiphenylamine	U		0.000304	0.0100	0.0100	1	09/03/2015 07:19	WG812624
n-Nitrosodi-n-propylamine	U		0.000403	0.0100	0.0100	1	09/03/2015 07:19	WG812624





Collected date/time: 08/27/15 10:05

L786033

Semi Volatile Organic Compounds (GC/MS) by Method 8270 C

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Phenanthrene	U		0.000366	0.00100	0.00100	1	09/03/2015 07:19	WG812624
Benzylbutyl phthalate	U		0.000275	0.00300	0.00300	1	09/03/2015 07:19	WG812624
Bis(2-ethylhexyl)phthalate	0.00130	J	0.000709	0.00300	0.00300	1	09/03/2015 07:19	WG812624
Di-n-butyl phthalate	0.000374	J	0.000266	0.00300	0.00300	1	09/03/2015 07:19	WG812624
Diethyl phthalate	U		0.000282	0.00300	0.00300	1	09/03/2015 07:19	WG812624
Dimethyl phthalate	U		0.000283	0.00300	0.00300	1	09/03/2015 07:19	WG812624
Di-n-octyl phthalate	U		0.000278	0.00300	0.00300	1	09/03/2015 07:19	WG812624
Pyrene	U		0.000330	0.00100	0.00100	1	09/03/2015 07:19	WG812624
1,2,4-Trichlorobenzene	U		0.000355	0.0100	0.0100	1	09/03/2015 07:19	WG812624
4-Chloro-3-methylphenol	U		0.000263	0.0100	0.0100	1	09/03/2015 07:19	WG812624
2-Chlorophenol	U		0.000283	0.0100	0.0100	1	09/03/2015 07:19	WG812624
2,4-Dichlorophenol	U		0.000284	0.0100	0.0100	1	09/03/2015 07:19	WG812624
2,4-Dimethylphenol	U		0.000624	0.0100	0.0100	1	09/03/2015 07:19	WG812624
4,6-Dinitro-2-methylphenol	U		0.00262	0.0100	0.0100	1	09/03/2015 07:19	WG812624
2,4-Dinitrophenol	U	J3	0.00325	0.0100	0.0100	1	09/03/2015 07:19	WG812624
2-Nitrophenol	U		0.000320	0.0100	0.0100	1	09/03/2015 07:19	WG812624
2-Nitroaniline	U		0.00190	0.0100	0.0100	1	09/03/2015 07:19	WG812624
2-Methylphenol	U		0.000312	0.0100	0.0100	1	09/03/2015 07:19	WG812624
3&4-Methyl Phenol	U		0.000266	0.0100	0.0100	1	09/03/2015 07:19	WG812624
3-Nitroaniline	U		0.000308	0.0100	0.0100	1	09/03/2015 07:19	WG812624
4-Chloroaniline	U		0.000382	0.0100	0.0100	1	09/03/2015 07:19	WG812624
4-Nitroaniline	U	J4	0.000349	0.0100	0.0100	1	09/03/2015 07:19	WG812624
4-Nitrophenol	U		0.00201	0.0100	0.0100	1	09/03/2015 07:19	WG812624
Pentachlorophenol	U		0.000313	0.0100	0.0100	1	09/03/2015 07:19	WG812624
Phenol	0.000397	J	0.000334	0.0100	0.0100	1	09/03/2015 07:19	WG812624
2,4,5-Trichlorophenol	U		0.000236	0.0100	0.0100	1	09/03/2015 07:19	WG812624
2,4,6-Trichlorophenol	U		0.000297	0.0100	0.0100	1	09/03/2015 07:19	WG812624
(S) 2-Fluorophenol	53.6				10.0-77.9		09/03/2015 07:19	WG812624
(S) Phenol-d5	36.5				5.00-70.1		09/03/2015 07:19	WG812624
(S) Nitrobenzene-d5	87.8				21.8-123		09/03/2015 07:19	WG812624
(S) 2-Fluorobiphenyl	81.8				29.5-131		09/03/2015 07:19	WG812624
(S) 2,4,6-Tribromophenol	60.3				11.2-130		09/03/2015 07:19	WG812624
(S) p-Terphenyl-d14	69.2				29.3-137		09/03/2015 07:19	WG812624

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	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Dissolved Solids	471		2.82	10.0	10.0	1	09/02/2015 15:58	WG812597

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Alkalinity	203		2.61	20.0	20.0	1	09/02/2015 14:06	WG812795

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Nitrate-Nitrite	2.28		0.0197	0.100	0.100	1	09/02/2015 15:15	WG812781

Wet Chemistry by Method 9040C

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	su			date / time	
pH	6.81	J	1	09/01/2015 15:55	WG812616

Sample Narrative:

9040C L786033-07 WG812616: 6.81 at 19.6c

Wet Chemistry by Method 9050A

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	umhos/cm			date / time	
Specific Conductance	644		1	09/01/2015 11:53	WG812578

Wet Chemistry by Method 9056

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Chloride	38.4		0.0519	1.00	1.00	1	09/05/2015 16:10	WG813559
Fluoride	0.866		0.00990	0.100	0.100	1	09/05/2015 16:10	WG813559
Sulfate	66.9		0.0774	5.00	5.00	1	09/05/2015 16:10	WG813559

Mercury by Method 7470A

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Mercury	U		0.0000490	0.000200	0.000200	1	09/01/2015 14:27	WG812697

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Aluminum,Dissolved	U		0.0350	0.200	0.200	1	09/08/2015 11:53	WG812705
Calcium,Dissolved	81.8		0.0463	1.00	1.00	1	09/08/2015 11:53	WG812705
Iron,Dissolved	U		0.0141	0.100	0.100	1	09/08/2015 11:53	WG812705
Magnesium,Dissolved	8.90		0.0111	1.00	1.00	1	09/08/2015 11:53	WG812705
Potassium,Dissolved	2.37		0.102	1.00	1.00	1	09/08/2015 11:53	WG812705
Sodium,Dissolved	45.8		0.0985	1.00	1.00	1	09/08/2015 11:53	WG812705



Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Arsenic,Dissolved	0.00650		0.000250	0.00200	0.00200	1	09/08/2015 15:05	WG812711
Barium,Dissolved	0.215		0.000360	0.00500	0.00500	1	09/08/2015 15:05	WG812711
Boron,Dissolved	0.180		0.00150	0.0200	0.0200	1	09/08/2015 17:53	WG812711
Cadmium,Dissolved	U		0.000160	0.00100	0.00100	1	09/08/2015 15:05	WG812711
Chromium,Dissolved	U		0.000540	0.00200	0.00200	1	09/08/2015 15:05	WG812711
Copper,Dissolved	U		0.000520	0.00500	0.00500	1	09/08/2015 15:05	WG812711
Cobalt,Dissolved	U		0.000260	0.00200	0.00200	1	09/08/2015 15:05	WG812711
Lead,Dissolved	U		0.000240	0.00200	0.00200	1	09/08/2015 15:05	WG812711
Manganese,Dissolved	0.0184		0.000250	0.00500	0.00500	1	09/08/2015 15:05	WG812711
Molybdenum,Dissolved	0.00175	L	0.000140	0.00500	0.00500	1	09/08/2015 15:05	WG812711
Nickel,Dissolved	U		0.000350	0.00200	0.00200	1	09/08/2015 15:05	WG812711
Selenium,Dissolved	0.00334		0.000380	0.00200	0.00200	1	09/08/2015 15:05	WG812711
Silver,Dissolved	U		0.000310	0.00200	0.00200	1	09/08/2015 15:05	WG812711
Uranium,Dissolved	0.00236	L	0.000330	0.0100	0.0100	1	09/08/2015 15:05	WG812711
Zinc,Dissolved	U		0.00256	0.0250	0.0250	1	09/08/2015 15:05	WG812711

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 mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0100	1.00	1.00	1	09/05/2015 08:07	WG813608
Benzene	U		0.000331	0.00100	0.00100	1	09/05/2015 08:07	WG813608
Bromodichloromethane	U		0.000380	0.00125	0.00125	1	09/05/2015 08:07	WG813608
Bromoform	U		0.000469	0.00100	0.00100	1	09/05/2015 08:07	WG813608
Bromomethane	U		0.000866	0.00500	0.00500	1	09/05/2015 08:07	WG813608
n-Butylbenzene	U		0.000361	0.00100	0.00100	1	09/05/2015 08:07	WG813608
sec-Butylbenzene	U		0.000365	0.00100	0.00100	1	09/05/2015 08:07	WG813608
tert-Butylbenzene	U		0.000399	0.00100	0.00100	1	09/05/2015 08:07	WG813608
Carbon disulfide	U		0.000275	0.00100	0.00100	1	09/05/2015 08:07	WG813608
Carbon tetrachloride	U		0.000379	0.00100	0.00100	1	09/05/2015 08:07	WG813608
Chlorobenzene	U		0.000348	0.00100	0.00100	1	09/05/2015 08:07	WG813608
Chlorodibromomethane	U		0.000327	0.00100	0.00100	1	09/05/2015 08:07	WG813608
Chloroethane	U		0.000453	0.00500	0.00500	1	09/05/2015 08:07	WG813608
Chloroform	U		0.000324	0.00500	0.00500	1	09/05/2015 08:07	WG813608
Chloromethane	U		0.000276	0.00250	0.00250	1	09/05/2015 08:07	WG813608
1,2-Dibromoethane	U		0.000381	0.00100	0.00100	1	09/05/2015 08:07	WG813608
1,1-Dichloroethane	U		0.000259	0.00100	0.00100	1	09/05/2015 08:07	WG813608
1,2-Dichloroethane	U		0.000361	0.00100	0.00100	1	09/05/2015 08:07	WG813608
1,1-Dichloroethene	U		0.000398	0.00100	0.00100	1	09/05/2015 08:07	WG813608
cis-1,2-Dichloroethene	U		0.000260	0.00100	0.00100	1	09/05/2015 08:07	WG813608
trans-1,2-Dichloroethene	U		0.000396	0.00100	0.00100	1	09/05/2015 08:07	WG813608
1,2-Dichloropropane	U		0.000306	0.00100	0.00100	1	09/05/2015 08:07	WG813608
cis-1,3-Dichloropropene	U		0.000418	0.00100	0.00100	1	09/05/2015 08:07	WG813608
trans-1,3-Dichloropropene	U		0.000419	0.00100	0.00100	1	09/05/2015 08:07	WG813608
Ethylbenzene	U		0.000384	0.00100	0.00100	1	09/05/2015 08:07	WG813608
Hexachloro-1,3-butadiene	U		0.000256	0.00100	0.00100	1	09/05/2015 08:07	WG813608
2-Hexanone	U		0.00382	0.0100	0.0100	1	09/05/2015 08:07	WG813608
Isopropylbenzene	U		0.000326	0.00100	0.00100	1	09/05/2015 08:07	WG813608
p-Isopropyltoluene	U		0.000350	0.00100	0.00100	1	09/05/2015 08:07	WG813608
2-Butanone (MEK)	U		0.00393	0.0100	0.0100	1	09/05/2015 08:07	WG813608
Methylene Chloride	U		0.00100	0.00500	0.00500	1	09/05/2015 08:07	WG813608
4-Methyl-2-pentanone (MIBK)	U		0.00214	0.0100	0.0100	1	09/05/2015 08:07	WG813608
Methyl tert-butyl ether	U		0.000367	0.00100	0.00100	1	09/05/2015 08:07	WG813608
Naphthalene	U		0.00100	0.00500	0.00500	1	09/05/2015 08:07	WG813608
n-Propylbenzene	U		0.000349	0.00100	0.00100	1	09/05/2015 08:07	WG813608
Styrene	U		0.000307	0.00100	0.00100	1	09/05/2015 08:07	WG813608
1,1,2,2-Tetrachloroethane	U		0.000130	0.00100	0.00100	1	09/05/2015 08:07	WG813608

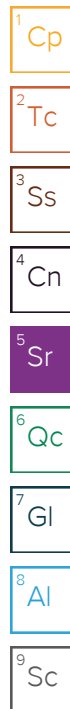


Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Tetrachloroethene	U		0.000372	0.00100	0.00100	1	09/05/2015 08:07	WG813608
Toluene	U		0.000780	0.00500	0.00500	1	09/05/2015 08:07	WG813608
1,1,1-Trichloroethane	U		0.000319	0.00100	0.00100	1	09/05/2015 08:07	WG813608
1,1,2-Trichloroethane	U		0.000383	0.00100	0.00100	1	09/05/2015 08:07	WG813608
Trichloroethene	U		0.000398	0.00100	0.00100	1	09/05/2015 08:07	WG813608
1,2,4-Trimethylbenzene	U		0.000373	0.00100	0.00100	1	09/05/2015 08:07	WG813608
1,3,5-Trimethylbenzene	U		0.000387	0.00100	0.00100	1	09/05/2015 08:07	WG813608
Vinyl chloride	U		0.000259	0.00100	0.00100	1	09/05/2015 08:07	WG813608
Xylenes, Total	U		0.00106	0.00300	0.00300	1	09/05/2015 08:07	WG813608
(S) Toluene-d8	103				90.0-115		09/05/2015 08:07	WG813608
(S) Dibromofluoromethane	94.8				79.0-121		09/05/2015 08:07	WG813608
(S) 4-Bromofluorobenzene	98.0				80.1-120		09/05/2015 08:07	WG813608

Semi Volatile Organic Compounds (GC/MS) by Method 8270 C

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.000316	0.00100	0.00100	1	09/03/2015 07:42	WG812624
Acenaphthylene	U		0.000309	0.00100	0.00100	1	09/03/2015 07:42	WG812624
Acetophenone	U		0.00247	0.0100	0.0100	1	09/03/2015 07:42	WG812624
Anthracene	U		0.000291	0.00100	0.00100	1	09/03/2015 07:42	WG812624
Atrazine	U		0.000260	0.0100	0.0100	1	09/03/2015 07:42	WG812624
Benzo(a)anthracene	U		0.0000510	0.00100	0.00100	1	09/03/2015 07:42	WG812624
Benzaldehyde	U	J3	0.00140	0.0100	0.0100	1	09/03/2015 07:42	WG812624
Benzo(b)fluoranthene	U		0.0000896	0.00100	0.00100	1	09/03/2015 07:42	WG812624
Benzo(k)fluoranthene	U		0.000355	0.00100	0.00100	1	09/03/2015 07:42	WG812624
Benzo(g,h,i)perylene	U		0.00000227	0.00100	0.00100	1	09/03/2015 07:42	WG812624
Benzo(a)pyrene	U		0.0000381	0.000200	0.000200	1	09/03/2015 07:42	WG812624
Biphenyl	U		0.000325	0.0100	0.0100	1	09/03/2015 07:42	WG812624
Bis(2-chlorethoxy)methane	U		0.000329	0.0100	0.0100	1	09/03/2015 07:42	WG812624
Bis(2-chloroethyl)ether	U		0.00162	0.0100	0.0100	1	09/03/2015 07:42	WG812624
Bis(2-chloroisopropyl)ether	U		0.000445	0.0100	0.0100	1	09/03/2015 07:42	WG812624
4-Bromophenyl-phenylether	U		0.000335	0.0100	0.0100	1	09/03/2015 07:42	WG812624
2-Chloronaphthalene	U		0.000330	0.00100	0.00100	1	09/03/2015 07:42	WG812624
4-Chlorophenyl-phenylether	U		0.000303	0.0100	0.0100	1	09/03/2015 07:42	WG812624
Caprolactam	U		0.00259	0.0100	0.0100	1	09/03/2015 07:42	WG812624
Carbazole	U		0.000260	0.0100	0.0100	1	09/03/2015 07:42	WG812624
Chrysene	U		0.000332	0.00100	0.00100	1	09/03/2015 07:42	WG812624
Dibenz(a,h)anthracene	U		0.0000644	0.000200	0.000200	1	09/03/2015 07:42	WG812624
Dibenzofuran	U		0.000338	0.0100	0.0100	1	09/03/2015 07:42	WG812624
3,3-Dichlorobenzidine	U		0.00202	0.0100	0.0100	1	09/03/2015 07:42	WG812624
2,4-Dinitrotoluene	U		0.00165	0.0100	0.0100	1	09/03/2015 07:42	WG812624
2,6-Dinitrotoluene	U		0.000279	0.0100	0.0100	1	09/03/2015 07:42	WG812624
Fluoranthene	U		0.000310	0.00100	0.00100	1	09/03/2015 07:42	WG812624
Fluorene	U		0.000323	0.00100	0.00100	1	09/03/2015 07:42	WG812624
Hexachlorobenzene	U		0.000341	0.00100	0.00100	1	09/03/2015 07:42	WG812624
Hexachloro-1,3-butadiene	U		0.000329	0.0100	0.0100	1	09/03/2015 07:42	WG812624
Hexachlorocyclopentadiene	U		0.00233	0.0100	0.0100	1	09/03/2015 07:42	WG812624
Hexachloroethane	U		0.000365	0.0100	0.0100	1	09/03/2015 07:42	WG812624
Indeno(1,2,3-cd)pyrene	U		0.000279	0.00100	0.00100	1	09/03/2015 07:42	WG812624
Isophorone	U		0.000272	0.0100	0.0100	1	09/03/2015 07:42	WG812624
1-Methylnaphthalene	U		0.000332	0.00100	0.00100	1	09/03/2015 07:42	WG812624
2-Methylnaphthalene	U		0.000311	0.00100	0.00100	1	09/03/2015 07:42	WG812624
Naphthalene	U		0.000372	0.00100	0.00100	1	09/03/2015 07:42	WG812624
Nitrobenzene	U		0.000367	0.0100	0.0100	1	09/03/2015 07:42	WG812624
n-Nitrosodiphenylamine	U		0.000304	0.0100	0.0100	1	09/03/2015 07:42	WG812624
n-Nitrosodi-n-propylamine	U		0.000403	0.0100	0.0100	1	09/03/2015 07:42	WG812624





Collected date/time: 08/27/15 11:08

L786033

Semi Volatile Organic Compounds (GC/MS) by Method 8270 C

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Phenanthrene	U		0.000366	0.00100	0.00100	1	09/03/2015 07:42	WG812624
Benzylbutyl phthalate	U		0.000275	0.00300	0.00300	1	09/03/2015 07:42	WG812624
Bis(2-ethylhexyl)phthalate	0.00178	J	0.000709	0.00300	0.00300	1	09/03/2015 07:42	WG812624
Di-n-butyl phthalate	0.000482	J	0.000266	0.00300	0.00300	1	09/03/2015 07:42	WG812624
Diethyl phthalate	U		0.000282	0.00300	0.00300	1	09/03/2015 07:42	WG812624
Dimethyl phthalate	U		0.000283	0.00300	0.00300	1	09/03/2015 07:42	WG812624
Di-n-octyl phthalate	U		0.000278	0.00300	0.00300	1	09/03/2015 07:42	WG812624
Pyrene	U		0.000330	0.00100	0.00100	1	09/03/2015 07:42	WG812624
1,2,4-Trichlorobenzene	U		0.000355	0.0100	0.0100	1	09/03/2015 07:42	WG812624
4-Chloro-3-methylphenol	U		0.000263	0.0100	0.0100	1	09/03/2015 07:42	WG812624
2-Chlorophenol	U		0.000283	0.0100	0.0100	1	09/03/2015 07:42	WG812624
2,4-Dichlorophenol	U		0.000284	0.0100	0.0100	1	09/03/2015 07:42	WG812624
2,4-Dimethylphenol	U		0.000624	0.0100	0.0100	1	09/03/2015 07:42	WG812624
4,6-Dinitro-2-methylphenol	U		0.00262	0.0100	0.0100	1	09/03/2015 07:42	WG812624
2,4-Dinitrophenol	U	J3	0.00325	0.0100	0.0100	1	09/03/2015 07:42	WG812624
2-Nitrophenol	U		0.000320	0.0100	0.0100	1	09/03/2015 07:42	WG812624
2-Nitroaniline	U		0.00190	0.0100	0.0100	1	09/03/2015 07:42	WG812624
2-Methylphenol	U		0.000312	0.0100	0.0100	1	09/03/2015 07:42	WG812624
3&4-Methyl Phenol	U		0.000266	0.0100	0.0100	1	09/03/2015 07:42	WG812624
3-Nitroaniline	U		0.000308	0.0100	0.0100	1	09/03/2015 07:42	WG812624
4-Chloroaniline	U		0.000382	0.0100	0.0100	1	09/03/2015 07:42	WG812624
4-Nitroaniline	U	J4	0.000349	0.0100	0.0100	1	09/03/2015 07:42	WG812624
4-Nitrophenol	U		0.00201	0.0100	0.0100	1	09/03/2015 07:42	WG812624
Pentachlorophenol	U		0.000313	0.0100	0.0100	1	09/03/2015 07:42	WG812624
Phenol	0.000507	J	0.000334	0.0100	0.0100	1	09/03/2015 07:42	WG812624
2,4,5-Trichlorophenol	U		0.000236	0.0100	0.0100	1	09/03/2015 07:42	WG812624
2,4,6-Trichlorophenol	U		0.000297	0.0100	0.0100	1	09/03/2015 07:42	WG812624
(S) 2-Fluorophenol	57.5				10.0-77.9		09/03/2015 07:42	WG812624
(S) Phenol-d5	41.0				5.00-70.1		09/03/2015 07:42	WG812624
(S) Nitrobenzene-d5	94.5				21.8-123		09/03/2015 07:42	WG812624
(S) 2-Fluorobiphenyl	90.6				29.5-131		09/03/2015 07:42	WG812624
(S) 2,4,6-Tribromophenol	76.1				11.2-130		09/03/2015 07:42	WG812624
(S) p-Terphenyl-d14	83.3				29.3-137		09/03/2015 07:42	WG812624

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	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Dissolved Solids	407		2.82	10.0	10.0	1	09/02/2015 15:59	WG812597

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Alkalinity	185		2.61	20.0	20.0	1	09/02/2015 14:06	WG812795

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Nitrate-Nitrite	1.74		0.0197	0.100	0.100	1	09/02/2015 15:17	WG812781

Wet Chemistry by Method 9040C

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	su			date / time	
pH	6.86	J	1	09/01/2015 15:55	WG812616

Sample Narrative:

9040C L786033-08 WG812616: 6.86 at 19.9c

Wet Chemistry by Method 9050A

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	umhos/cm			date / time	
Specific Conductance	596		1	09/01/2015 11:53	WG812578

Wet Chemistry by Method 9056

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Chloride	28.0		0.0519	1.00	1.00	1	09/05/2015 16:24	WG813559
Fluoride	1.04		0.00990	0.100	0.100	1	09/05/2015 16:24	WG813559
Sulfate	76.8		0.0774	5.00	5.00	1	09/05/2015 16:24	WG813559

Mercury by Method 7470A

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Mercury	U		0.0000490	0.000200	0.000200	1	09/01/2015 14:29	WG812697

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Aluminum,Dissolved	U		0.0350	0.200	0.200	1	09/08/2015 11:56	WG812705
Calcium,Dissolved	66.9		0.0463	1.00	1.00	1	09/08/2015 11:56	WG812705
Iron,Dissolved	U		0.0141	0.100	0.100	1	09/08/2015 11:56	WG812705
Magnesium,Dissolved	8.23		0.0111	1.00	1.00	1	09/08/2015 11:56	WG812705
Potassium,Dissolved	2.51		0.102	1.00	1.00	1	09/08/2015 11:56	WG812705
Sodium,Dissolved	52.0		0.0985	1.00	1.00	1	09/08/2015 11:56	WG812705



Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Arsenic,Dissolved	0.00976		0.000250	0.00200	0.00200	1	09/08/2015 15:07	WG812711
Barium,Dissolved	0.149		0.000360	0.00500	0.00500	1	09/08/2015 15:07	WG812711
Boron,Dissolved	0.173		0.00150	0.0200	0.0200	1	09/08/2015 17:56	WG812711
Cadmium,Dissolved	U		0.000160	0.00100	0.00100	1	09/08/2015 15:07	WG812711
Chromium,Dissolved	U		0.000540	0.00200	0.00200	1	09/08/2015 15:07	WG812711
Copper,Dissolved	U		0.000520	0.00500	0.00500	1	09/08/2015 15:07	WG812711
Cobalt,Dissolved	U		0.000260	0.00200	0.00200	1	09/08/2015 15:07	WG812711
Lead,Dissolved	U		0.000240	0.00200	0.00200	1	09/08/2015 15:07	WG812711
Manganese,Dissolved	0.000376	U	0.000250	0.00500	0.00500	1	09/08/2015 15:07	WG812711
Molybdenum,Dissolved	0.00240	U	0.000140	0.00500	0.00500	1	09/08/2015 15:07	WG812711
Nickel,Dissolved	U		0.000350	0.00200	0.00200	1	09/08/2015 15:07	WG812711
Selenium,Dissolved	0.00289		0.000380	0.00200	0.00200	1	09/08/2015 15:07	WG812711
Silver,Dissolved	U		0.000310	0.00200	0.00200	1	09/08/2015 15:07	WG812711
Uranium,Dissolved	0.00173	U	0.000330	0.0100	0.0100	1	09/08/2015 15:07	WG812711
Zinc,Dissolved	U		0.00256	0.0250	0.0250	1	09/08/2015 15:07	WG812711

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 mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0100	1.00	1.00	1	09/05/2015 08:27	WG813608
Benzene	U		0.000331	0.00100	0.00100	1	09/05/2015 08:27	WG813608
Bromodichloromethane	U		0.000380	0.00125	0.00125	1	09/05/2015 08:27	WG813608
Bromoform	U		0.000469	0.00100	0.00100	1	09/05/2015 08:27	WG813608
Bromomethane	U		0.000866	0.00500	0.00500	1	09/05/2015 08:27	WG813608
n-Butylbenzene	U		0.000361	0.00100	0.00100	1	09/05/2015 08:27	WG813608
sec-Butylbenzene	U		0.000365	0.00100	0.00100	1	09/05/2015 08:27	WG813608
tert-Butylbenzene	U		0.000399	0.00100	0.00100	1	09/05/2015 08:27	WG813608
Carbon disulfide	U		0.000275	0.00100	0.00100	1	09/05/2015 08:27	WG813608
Carbon tetrachloride	U		0.000379	0.00100	0.00100	1	09/05/2015 08:27	WG813608
Chlorobenzene	U		0.000348	0.00100	0.00100	1	09/05/2015 08:27	WG813608
Chlorodibromomethane	U		0.000327	0.00100	0.00100	1	09/05/2015 08:27	WG813608
Chloroethane	U		0.000453	0.00500	0.00500	1	09/05/2015 08:27	WG813608
Chloroform	U		0.000324	0.00500	0.00500	1	09/05/2015 08:27	WG813608
Chloromethane	U		0.000276	0.00250	0.00250	1	09/05/2015 08:27	WG813608
1,2-Dibromoethane	U		0.000381	0.00100	0.00100	1	09/05/2015 08:27	WG813608
1,1-Dichloroethane	U		0.000259	0.00100	0.00100	1	09/05/2015 08:27	WG813608
1,2-Dichloroethane	U		0.000361	0.00100	0.00100	1	09/05/2015 08:27	WG813608
1,1-Dichloroethene	U		0.000398	0.00100	0.00100	1	09/05/2015 08:27	WG813608
cis-1,2-Dichloroethene	U		0.000260	0.00100	0.00100	1	09/05/2015 08:27	WG813608
trans-1,2-Dichloroethene	U		0.000396	0.00100	0.00100	1	09/05/2015 08:27	WG813608
1,2-Dichloropropane	U		0.000306	0.00100	0.00100	1	09/05/2015 08:27	WG813608
cis-1,3-Dichloropropene	U		0.000418	0.00100	0.00100	1	09/05/2015 08:27	WG813608
trans-1,3-Dichloropropene	U		0.000419	0.00100	0.00100	1	09/05/2015 08:27	WG813608
Ethylbenzene	U		0.000384	0.00100	0.00100	1	09/05/2015 08:27	WG813608
Hexachloro-1,3-butadiene	U		0.000256	0.00100	0.00100	1	09/05/2015 08:27	WG813608
2-Hexanone	U		0.00382	0.0100	0.0100	1	09/05/2015 08:27	WG813608
Isopropylbenzene	U		0.000326	0.00100	0.00100	1	09/05/2015 08:27	WG813608
p-Isopropyltoluene	U		0.000350	0.00100	0.00100	1	09/05/2015 08:27	WG813608
2-Butanone (MEK)	U		0.00393	0.0100	0.0100	1	09/05/2015 08:27	WG813608
Methylene Chloride	U		0.00100	0.00500	0.00500	1	09/05/2015 08:27	WG813608
4-Methyl-2-pentanone (MIBK)	U		0.00214	0.0100	0.0100	1	09/05/2015 08:27	WG813608
Methyl tert-butyl ether	U		0.000367	0.00100	0.00100	1	09/05/2015 08:27	WG813608
Naphthalene	U		0.00100	0.00500	0.00500	1	09/05/2015 08:27	WG813608
n-Propylbenzene	U		0.000349	0.00100	0.00100	1	09/05/2015 08:27	WG813608
Styrene	U		0.000307	0.00100	0.00100	1	09/05/2015 08:27	WG813608
1,1,2,2-Tetrachloroethane	U		0.000130	0.00100	0.00100	1	09/05/2015 08:27	WG813608

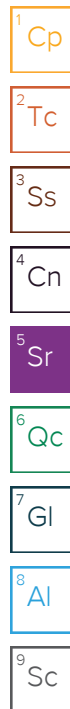


Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Tetrachloroethene	U		0.000372	0.00100	0.00100	1	09/05/2015 08:27	WG813608
Toluene	U		0.000780	0.00500	0.00500	1	09/05/2015 08:27	WG813608
1,1,1-Trichloroethane	U		0.000319	0.00100	0.00100	1	09/05/2015 08:27	WG813608
1,1,2-Trichloroethane	U		0.000383	0.00100	0.00100	1	09/05/2015 08:27	WG813608
Trichloroethene	U		0.000398	0.00100	0.00100	1	09/05/2015 08:27	WG813608
1,2,4-Trimethylbenzene	U		0.000373	0.00100	0.00100	1	09/05/2015 08:27	WG813608
1,3,5-Trimethylbenzene	U		0.000387	0.00100	0.00100	1	09/05/2015 08:27	WG813608
Vinyl chloride	U		0.000259	0.00100	0.00100	1	09/05/2015 08:27	WG813608
Xylenes, Total	U		0.00106	0.00300	0.00300	1	09/05/2015 08:27	WG813608
(S) Toluene-d8	102				90.0-115		09/05/2015 08:27	WG813608
(S) Dibromofluoromethane	94.4				79.0-121		09/05/2015 08:27	WG813608
(S) 4-Bromofluorobenzene	99.3				80.1-120		09/05/2015 08:27	WG813608

Semi Volatile Organic Compounds (GC/MS) by Method 8270 C

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.000316	0.00100	0.00100	1	09/03/2015 08:05	WG812624
Acenaphthylene	U		0.000309	0.00100	0.00100	1	09/03/2015 08:05	WG812624
Acetophenone	U		0.00247	0.0100	0.0100	1	09/03/2015 08:05	WG812624
Anthracene	U		0.000291	0.00100	0.00100	1	09/03/2015 08:05	WG812624
Atrazine	U		0.000260	0.0100	0.0100	1	09/03/2015 08:05	WG812624
Benzo(a)anthracene	U		0.0000510	0.00100	0.00100	1	09/03/2015 08:05	WG812624
Benzaldehyde	U	J3	0.00140	0.0100	0.0100	1	09/03/2015 08:05	WG812624
Benzo(b)fluoranthene	U		0.0000896	0.00100	0.00100	1	09/03/2015 08:05	WG812624
Benzo(k)fluoranthene	U		0.000355	0.00100	0.00100	1	09/03/2015 08:05	WG812624
Benzo(g,h,i)perylene	U		0.00000227	0.00100	0.00100	1	09/03/2015 08:05	WG812624
Benzo(a)pyrene	U		0.0000381	0.000200	0.000200	1	09/03/2015 08:05	WG812624
Biphenyl	U		0.000325	0.0100	0.0100	1	09/03/2015 08:05	WG812624
Bis(2-chlorethoxy)methane	U		0.000329	0.0100	0.0100	1	09/03/2015 08:05	WG812624
Bis(2-chloroethyl)ether	U		0.00162	0.0100	0.0100	1	09/03/2015 08:05	WG812624
Bis(2-chloroisopropyl)ether	U		0.000445	0.0100	0.0100	1	09/03/2015 08:05	WG812624
4-Bromophenyl-phenylether	U		0.000335	0.0100	0.0100	1	09/03/2015 08:05	WG812624
2-Chloronaphthalene	U		0.000330	0.00100	0.00100	1	09/03/2015 08:05	WG812624
4-Chlorophenyl-phenylether	U		0.000303	0.0100	0.0100	1	09/03/2015 08:05	WG812624
Caprolactam	U		0.00259	0.0100	0.0100	1	09/03/2015 08:05	WG812624
Carbazole	U		0.000260	0.0100	0.0100	1	09/03/2015 08:05	WG812624
Chrysene	U		0.000332	0.00100	0.00100	1	09/03/2015 08:05	WG812624
Dibenz(a,h)anthracene	U		0.0000644	0.000200	0.000200	1	09/03/2015 08:05	WG812624
Dibenzofuran	U		0.000338	0.0100	0.0100	1	09/03/2015 08:05	WG812624
3,3-Dichlorobenzidine	U		0.00202	0.0100	0.0100	1	09/03/2015 08:05	WG812624
2,4-Dinitrotoluene	U		0.00165	0.0100	0.0100	1	09/03/2015 08:05	WG812624
2,6-Dinitrotoluene	U		0.000279	0.0100	0.0100	1	09/03/2015 08:05	WG812624
Fluoranthene	U		0.000310	0.00100	0.00100	1	09/03/2015 08:05	WG812624
Fluorene	U		0.000323	0.00100	0.00100	1	09/03/2015 08:05	WG812624
Hexachlorobenzene	U		0.000341	0.00100	0.00100	1	09/03/2015 08:05	WG812624
Hexachloro-1,3-butadiene	U		0.000329	0.0100	0.0100	1	09/03/2015 08:05	WG812624
Hexachlorocyclopentadiene	U		0.00233	0.0100	0.0100	1	09/03/2015 08:05	WG812624
Hexachloroethane	U		0.000365	0.0100	0.0100	1	09/03/2015 08:05	WG812624
Indeno(1,2,3-cd)pyrene	U		0.000279	0.00100	0.00100	1	09/03/2015 08:05	WG812624
Isophorone	U		0.000272	0.0100	0.0100	1	09/03/2015 08:05	WG812624
1-Methylnaphthalene	U		0.000332	0.00100	0.00100	1	09/03/2015 08:05	WG812624
2-Methylnaphthalene	U		0.000311	0.00100	0.00100	1	09/03/2015 08:05	WG812624
Naphthalene	U		0.000372	0.00100	0.00100	1	09/03/2015 08:05	WG812624
Nitrobenzene	U		0.000367	0.0100	0.0100	1	09/03/2015 08:05	WG812624
n-Nitrosodiphenylamine	U		0.000304	0.0100	0.0100	1	09/03/2015 08:05	WG812624
n-Nitrosodi-n-propylamine	U		0.000403	0.0100	0.0100	1	09/03/2015 08:05	WG812624





Collected date/time: 08/27/15 11:50

L786033

Semi Volatile Organic Compounds (GC/MS) by Method 8270 C

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Phenanthrene	U		0.000366	0.00100	0.00100	1	09/03/2015 08:05	WG812624
Benzylbutyl phthalate	U		0.000275	0.00300	0.00300	1	09/03/2015 08:05	WG812624
Bis(2-ethylhexyl)phthalate	0.00221	J	0.000709	0.00300	0.00300	1	09/03/2015 08:05	WG812624
Di-n-butyl phthalate	0.000675	J	0.000266	0.00300	0.00300	1	09/03/2015 08:05	WG812624
Diethyl phthalate	U		0.000282	0.00300	0.00300	1	09/03/2015 08:05	WG812624
Dimethyl phthalate	U		0.000283	0.00300	0.00300	1	09/03/2015 08:05	WG812624
Di-n-octyl phthalate	U		0.000278	0.00300	0.00300	1	09/03/2015 08:05	WG812624
Pyrene	U		0.000330	0.00100	0.00100	1	09/03/2015 08:05	WG812624
1,2,4-Trichlorobenzene	U		0.000355	0.0100	0.0100	1	09/03/2015 08:05	WG812624
4-Chloro-3-methylphenol	U		0.000263	0.0100	0.0100	1	09/03/2015 08:05	WG812624
2-Chlorophenol	U		0.000283	0.0100	0.0100	1	09/03/2015 08:05	WG812624
2,4-Dichlorophenol	U		0.000284	0.0100	0.0100	1	09/03/2015 08:05	WG812624
2,4-Dimethylphenol	U		0.000624	0.0100	0.0100	1	09/03/2015 08:05	WG812624
4,6-Dinitro-2-methylphenol	U		0.00262	0.0100	0.0100	1	09/03/2015 08:05	WG812624
2,4-Dinitrophenol	U	J3	0.00325	0.0100	0.0100	1	09/03/2015 08:05	WG812624
2-Nitrophenol	U		0.000320	0.0100	0.0100	1	09/03/2015 08:05	WG812624
2-Nitroaniline	U		0.00190	0.0100	0.0100	1	09/03/2015 08:05	WG812624
2-Methylphenol	U		0.000312	0.0100	0.0100	1	09/03/2015 08:05	WG812624
3&4-Methyl Phenol	U		0.000266	0.0100	0.0100	1	09/03/2015 08:05	WG812624
3-Nitroaniline	U		0.000308	0.0100	0.0100	1	09/03/2015 08:05	WG812624
4-Chloroaniline	U		0.000382	0.0100	0.0100	1	09/03/2015 08:05	WG812624
4-Nitroaniline	U	J4	0.000349	0.0100	0.0100	1	09/03/2015 08:05	WG812624
4-Nitrophenol	U		0.00201	0.0100	0.0100	1	09/03/2015 08:05	WG812624
Pentachlorophenol	U		0.000313	0.0100	0.0100	1	09/03/2015 08:05	WG812624
Phenol	0.000398	J	0.000334	0.0100	0.0100	1	09/03/2015 08:05	WG812624
2,4,5-Trichlorophenol	U		0.000236	0.0100	0.0100	1	09/03/2015 08:05	WG812624
2,4,6-Trichlorophenol	U		0.000297	0.0100	0.0100	1	09/03/2015 08:05	WG812624
(S) 2-Fluorophenol	64.0				10.0-77.9		09/03/2015 08:05	WG812624
(S) Phenol-d5	43.8				5.00-70.1		09/03/2015 08:05	WG812624
(S) Nitrobenzene-d5	96.4				21.8-123		09/03/2015 08:05	WG812624
(S) 2-Fluorobiphenyl	91.2				29.5-131		09/03/2015 08:05	WG812624
(S) 2,4,6-Tribromophenol	78.5				11.2-130		09/03/2015 08:05	WG812624
(S) p-Terphenyl-d14	80.6				29.3-137		09/03/2015 08:05	WG812624

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	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Dissolved Solids	441		2.82	10.0	10.0	1	09/02/2015 15:59	WG812597

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Alkalinity	202		2.61	20.0	20.0	1	09/02/2015 14:06	WG812795

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Nitrate-Nitrite	1.70		0.0197	0.100	0.100	1	09/02/2015 15:23	WG812781

Wet Chemistry by Method 9040C

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	su			date / time	
pH	6.85	J	1	09/01/2015 15:55	WG812616

Sample Narrative:

9040C L786033-09 WG812616: 6.85 at 20.1c

Wet Chemistry by Method 9050A

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	umhos/cm			date / time	
Specific Conductance	613		1	09/01/2015 11:53	WG812578

Wet Chemistry by Method 9056

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Chloride	27.3		0.0519	1.00	1.00	1	09/05/2015 16:37	WG813559
Fluoride	0.961		0.00990	0.100	0.100	1	09/05/2015 16:37	WG813559
Sulfate	72.2		0.0774	5.00	5.00	1	09/05/2015 16:37	WG813559

Mercury by Method 7470A

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Mercury	U		0.0000490	0.000200	0.000200	1	09/01/2015 14:31	WG812697

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Aluminum,Dissolved	U		0.0350	0.200	0.200	1	09/08/2015 11:59	WG812705
Calcium,Dissolved	81.2		0.0463	1.00	1.00	1	09/08/2015 11:59	WG812705
Iron,Dissolved	U		0.0141	0.100	0.100	1	09/08/2015 11:59	WG812705
Magnesium,Dissolved	8.70		0.0111	1.00	1.00	1	09/08/2015 11:59	WG812705
Potassium,Dissolved	2.08		0.102	1.00	1.00	1	09/08/2015 11:59	WG812705
Sodium,Dissolved	40.1		0.0985	1.00	1.00	1	09/08/2015 11:59	WG812705



Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Arsenic,Dissolved	0.0120		0.000250	0.00200	0.00200	1	09/08/2015 15:09	WG812711
Barium,Dissolved	0.122		0.000360	0.00500	0.00500	1	09/08/2015 15:09	WG812711
Boron,Dissolved	0.170		0.00150	0.0200	0.0200	1	09/08/2015 18:22	WG812711
Cadmium,Dissolved	U		0.000160	0.00100	0.00100	1	09/08/2015 15:09	WG812711
Chromium,Dissolved	U		0.000540	0.00200	0.00200	1	09/08/2015 15:09	WG812711
Copper,Dissolved	U		0.000520	0.00500	0.00500	1	09/08/2015 15:09	WG812711
Cobalt,Dissolved	U		0.000260	0.00200	0.00200	1	09/08/2015 15:09	WG812711
Lead,Dissolved	U		0.000240	0.00200	0.00200	1	09/08/2015 15:09	WG812711
Manganese,Dissolved	0.00191	L	0.000250	0.00500	0.00500	1	09/08/2015 15:09	WG812711
Molybdenum,Dissolved	0.00236	L	0.000140	0.00500	0.00500	1	09/08/2015 15:09	WG812711
Nickel,Dissolved	U		0.000350	0.00200	0.00200	1	09/08/2015 15:09	WG812711
Selenium,Dissolved	0.00268		0.000380	0.00200	0.00200	1	09/08/2015 15:09	WG812711
Silver,Dissolved	U		0.000310	0.00200	0.00200	1	09/08/2015 15:09	WG812711
Uranium,Dissolved	0.00187	L	0.000330	0.0100	0.0100	1	09/08/2015 15:09	WG812711
Zinc,Dissolved	U		0.00256	0.0250	0.0250	1	09/08/2015 15:09	WG812711

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 mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0100	1.00	1.00	1	09/05/2015 08:47	WG813608
Benzene	U		0.000331	0.00100	0.00100	1	09/05/2015 08:47	WG813608
Bromodichloromethane	U		0.000380	0.00125	0.00125	1	09/05/2015 08:47	WG813608
Bromoform	U		0.000469	0.00100	0.00100	1	09/05/2015 08:47	WG813608
Bromomethane	U		0.000866	0.00500	0.00500	1	09/05/2015 08:47	WG813608
n-Butylbenzene	U		0.000361	0.00100	0.00100	1	09/05/2015 08:47	WG813608
sec-Butylbenzene	U		0.000365	0.00100	0.00100	1	09/05/2015 08:47	WG813608
tert-Butylbenzene	U		0.000399	0.00100	0.00100	1	09/05/2015 08:47	WG813608
Carbon disulfide	U		0.000275	0.00100	0.00100	1	09/05/2015 08:47	WG813608
Carbon tetrachloride	U		0.000379	0.00100	0.00100	1	09/05/2015 08:47	WG813608
Chlorobenzene	U		0.000348	0.00100	0.00100	1	09/05/2015 08:47	WG813608
Chlorodibromomethane	U		0.000327	0.00100	0.00100	1	09/05/2015 08:47	WG813608
Chloroethane	U		0.000453	0.00500	0.00500	1	09/05/2015 08:47	WG813608
Chloroform	U		0.000324	0.00500	0.00500	1	09/05/2015 08:47	WG813608
Chloromethane	U		0.000276	0.00250	0.00250	1	09/05/2015 08:47	WG813608
1,2-Dibromoethane	U		0.000381	0.00100	0.00100	1	09/05/2015 08:47	WG813608
1,1-Dichloroethane	U		0.000259	0.00100	0.00100	1	09/05/2015 08:47	WG813608
1,2-Dichloroethane	U		0.000361	0.00100	0.00100	1	09/05/2015 08:47	WG813608
1,1-Dichloroethene	U		0.000398	0.00100	0.00100	1	09/05/2015 08:47	WG813608
cis-1,2-Dichloroethene	U		0.000260	0.00100	0.00100	1	09/05/2015 08:47	WG813608
trans-1,2-Dichloroethene	U		0.000396	0.00100	0.00100	1	09/05/2015 08:47	WG813608
1,2-Dichloropropane	U		0.000306	0.00100	0.00100	1	09/05/2015 08:47	WG813608
cis-1,3-Dichloropropene	U		0.000418	0.00100	0.00100	1	09/05/2015 08:47	WG813608
trans-1,3-Dichloropropene	U		0.000419	0.00100	0.00100	1	09/05/2015 08:47	WG813608
Ethylbenzene	U		0.000384	0.00100	0.00100	1	09/05/2015 08:47	WG813608
Hexachloro-1,3-butadiene	U		0.000256	0.00100	0.00100	1	09/05/2015 08:47	WG813608
2-Hexanone	U		0.00382	0.0100	0.0100	1	09/05/2015 08:47	WG813608
Isopropylbenzene	U		0.000326	0.00100	0.00100	1	09/05/2015 08:47	WG813608
p-Isopropyltoluene	U		0.000350	0.00100	0.00100	1	09/05/2015 08:47	WG813608
2-Butanone (MEK)	U		0.00393	0.0100	0.0100	1	09/05/2015 08:47	WG813608
Methylene Chloride	U		0.00100	0.00500	0.00500	1	09/05/2015 08:47	WG813608
4-Methyl-2-pentanone (MIBK)	U		0.00214	0.0100	0.0100	1	09/05/2015 08:47	WG813608
Methyl tert-butyl ether	U		0.000367	0.00100	0.00100	1	09/05/2015 08:47	WG813608
Naphthalene	U		0.00100	0.00500	0.00500	1	09/05/2015 08:47	WG813608
n-Propylbenzene	U		0.000349	0.00100	0.00100	1	09/05/2015 08:47	WG813608
Styrene	U		0.000307	0.00100	0.00100	1	09/05/2015 08:47	WG813608
1,1,2,2-Tetrachloroethane	U		0.000130	0.00100	0.00100	1	09/05/2015 08:47	WG813608

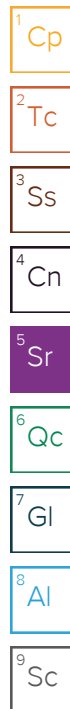


Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Tetrachloroethene	U		0.000372	0.00100	0.00100	1	09/05/2015 08:47	WG813608
Toluene	U		0.000780	0.00500	0.00500	1	09/05/2015 08:47	WG813608
1,1,1-Trichloroethane	U		0.000319	0.00100	0.00100	1	09/05/2015 08:47	WG813608
1,1,2-Trichloroethane	U		0.000383	0.00100	0.00100	1	09/05/2015 08:47	WG813608
Trichloroethene	U		0.000398	0.00100	0.00100	1	09/05/2015 08:47	WG813608
1,2,4-Trimethylbenzene	U		0.000373	0.00100	0.00100	1	09/05/2015 08:47	WG813608
1,3,5-Trimethylbenzene	U		0.000387	0.00100	0.00100	1	09/05/2015 08:47	WG813608
Vinyl chloride	U		0.000259	0.00100	0.00100	1	09/05/2015 08:47	WG813608
Xylenes, Total	U		0.00106	0.00300	0.00300	1	09/05/2015 08:47	WG813608
(S) Toluene-d8	102				90.0-115		09/05/2015 08:47	WG813608
(S) Dibromofluoromethane	92.6				79.0-121		09/05/2015 08:47	WG813608
(S) 4-Bromofluorobenzene	98.7				80.1-120		09/05/2015 08:47	WG813608

Semi Volatile Organic Compounds (GC/MS) by Method 8270 C

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.000316	0.00100	0.00100	1	09/03/2015 08:29	WG812624
Acenaphthylene	U		0.000309	0.00100	0.00100	1	09/03/2015 08:29	WG812624
Acetophenone	U		0.00247	0.0100	0.0100	1	09/03/2015 08:29	WG812624
Anthracene	U		0.000291	0.00100	0.00100	1	09/03/2015 08:29	WG812624
Atrazine	U		0.000260	0.0100	0.0100	1	09/03/2015 08:29	WG812624
Benzo(a)anthracene	U		0.0000510	0.00100	0.00100	1	09/03/2015 08:29	WG812624
Benzaldehyde	U	J3	0.00140	0.0100	0.0100	1	09/03/2015 08:29	WG812624
Benzo(b)fluoranthene	U		0.0000896	0.00100	0.00100	1	09/03/2015 08:29	WG812624
Benzo(k)fluoranthene	U		0.000355	0.00100	0.00100	1	09/03/2015 08:29	WG812624
Benzo(g,h,i)perylene	U		0.00000227	0.00100	0.00100	1	09/03/2015 08:29	WG812624
Benzo(a)pyrene	U		0.0000381	0.000200	0.000200	1	09/03/2015 08:29	WG812624
Biphenyl	U		0.000325	0.0100	0.0100	1	09/03/2015 08:29	WG812624
Bis(2-chlorethoxy)methane	U		0.000329	0.0100	0.0100	1	09/03/2015 08:29	WG812624
Bis(2-chloroethyl)ether	U		0.00162	0.0100	0.0100	1	09/03/2015 08:29	WG812624
Bis(2-chloroisopropyl)ether	U		0.000445	0.0100	0.0100	1	09/03/2015 08:29	WG812624
4-Bromophenyl-phenylether	U		0.000335	0.0100	0.0100	1	09/03/2015 08:29	WG812624
2-Chloronaphthalene	U		0.000330	0.00100	0.00100	1	09/03/2015 08:29	WG812624
4-Chlorophenyl-phenylether	U		0.000303	0.0100	0.0100	1	09/03/2015 08:29	WG812624
Caprolactam	U		0.00259	0.0100	0.0100	1	09/03/2015 08:29	WG812624
Carbazole	U		0.000260	0.0100	0.0100	1	09/03/2015 08:29	WG812624
Chrysene	U		0.000332	0.00100	0.00100	1	09/03/2015 08:29	WG812624
Dibenz(a,h)anthracene	U		0.0000644	0.000200	0.000200	1	09/03/2015 08:29	WG812624
Dibenzofuran	U		0.000338	0.0100	0.0100	1	09/03/2015 08:29	WG812624
3,3-Dichlorobenzidine	U		0.00202	0.0100	0.0100	1	09/03/2015 08:29	WG812624
2,4-Dinitrotoluene	U		0.00165	0.0100	0.0100	1	09/03/2015 08:29	WG812624
2,6-Dinitrotoluene	U		0.000279	0.0100	0.0100	1	09/03/2015 08:29	WG812624
Fluoranthene	U		0.000310	0.00100	0.00100	1	09/03/2015 08:29	WG812624
Fluorene	U		0.000323	0.00100	0.00100	1	09/03/2015 08:29	WG812624
Hexachlorobenzene	U		0.000341	0.00100	0.00100	1	09/03/2015 08:29	WG812624
Hexachloro-1,3-butadiene	U		0.000329	0.0100	0.0100	1	09/03/2015 08:29	WG812624
Hexachlorocyclopentadiene	U		0.00233	0.0100	0.0100	1	09/03/2015 08:29	WG812624
Hexachloroethane	U		0.000365	0.0100	0.0100	1	09/03/2015 08:29	WG812624
Indeno(1,2,3-cd)pyrene	U		0.000279	0.00100	0.00100	1	09/03/2015 08:29	WG812624
Isophorone	U		0.000272	0.0100	0.0100	1	09/03/2015 08:29	WG812624
1-Methylnaphthalene	U		0.000332	0.00100	0.00100	1	09/03/2015 08:29	WG812624
2-Methylnaphthalene	U		0.000311	0.00100	0.00100	1	09/03/2015 08:29	WG812624
Naphthalene	U		0.000372	0.00100	0.00100	1	09/03/2015 08:29	WG812624
Nitrobenzene	U		0.000367	0.0100	0.0100	1	09/03/2015 08:29	WG812624
n-Nitrosodiphenylamine	U		0.000304	0.0100	0.0100	1	09/03/2015 08:29	WG812624
n-Nitrosodi-n-propylamine	U		0.000403	0.0100	0.0100	1	09/03/2015 08:29	WG812624





Collected date/time: 08/27/15 12:32

L786033

Semi Volatile Organic Compounds (GC/MS) by Method 8270 C

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Phenanthrene	U		0.000366	0.00100	0.00100	1	09/03/2015 08:29	WG812624
Benzylbutyl phthalate	U		0.000275	0.00300	0.00300	1	09/03/2015 08:29	WG812624
Bis(2-ethylhexyl)phthalate	0.00182	J	0.000709	0.00300	0.00300	1	09/03/2015 08:29	WG812624
Di-n-butyl phthalate	0.000352	J	0.000266	0.00300	0.00300	1	09/03/2015 08:29	WG812624
Diethyl phthalate	U		0.000282	0.00300	0.00300	1	09/03/2015 08:29	WG812624
Dimethyl phthalate	U		0.000283	0.00300	0.00300	1	09/03/2015 08:29	WG812624
Di-n-octyl phthalate	U		0.000278	0.00300	0.00300	1	09/03/2015 08:29	WG812624
Pyrene	U		0.000330	0.00100	0.00100	1	09/03/2015 08:29	WG812624
1,2,4-Trichlorobenzene	U		0.000355	0.0100	0.0100	1	09/03/2015 08:29	WG812624
4-Chloro-3-methylphenol	U		0.000263	0.0100	0.0100	1	09/03/2015 08:29	WG812624
2-Chlorophenol	U		0.000283	0.0100	0.0100	1	09/03/2015 08:29	WG812624
2,4-Dichlorophenol	U		0.000284	0.0100	0.0100	1	09/03/2015 08:29	WG812624
2,4-Dimethylphenol	U		0.000624	0.0100	0.0100	1	09/03/2015 08:29	WG812624
4,6-Dinitro-2-methylphenol	U		0.00262	0.0100	0.0100	1	09/03/2015 08:29	WG812624
2,4-Dinitrophenol	U	J3	0.00325	0.0100	0.0100	1	09/03/2015 08:29	WG812624
2-Nitrophenol	U		0.000320	0.0100	0.0100	1	09/03/2015 08:29	WG812624
2-Nitroaniline	U		0.00190	0.0100	0.0100	1	09/03/2015 08:29	WG812624
2-Methylphenol	U		0.000312	0.0100	0.0100	1	09/03/2015 08:29	WG812624
3&4-Methyl Phenol	U		0.000266	0.0100	0.0100	1	09/03/2015 08:29	WG812624
3-Nitroaniline	U		0.000308	0.0100	0.0100	1	09/03/2015 08:29	WG812624
4-Chloroaniline	U		0.000382	0.0100	0.0100	1	09/03/2015 08:29	WG812624
4-Nitroaniline	U	J4	0.000349	0.0100	0.0100	1	09/03/2015 08:29	WG812624
4-Nitrophenol	U		0.00201	0.0100	0.0100	1	09/03/2015 08:29	WG812624
Pentachlorophenol	U		0.000313	0.0100	0.0100	1	09/03/2015 08:29	WG812624
Phenol	U		0.000334	0.0100	0.0100	1	09/03/2015 08:29	WG812624
2,4,5-Trichlorophenol	U		0.000236	0.0100	0.0100	1	09/03/2015 08:29	WG812624
2,4,6-Trichlorophenol	U		0.000297	0.0100	0.0100	1	09/03/2015 08:29	WG812624
(S) 2-Fluorophenol	63.1				10.0-77.9		09/03/2015 08:29	WG812624
(S) Phenol-d5	45.7				5.00-70.1		09/03/2015 08:29	WG812624
(S) Nitrobenzene-d5	98.5				21.8-123		09/03/2015 08:29	WG812624
(S) 2-Fluorobiphenyl	87.2				29.5-131		09/03/2015 08:29	WG812624
(S) 2,4,6-Tribromophenol	68.1				11.2-130		09/03/2015 08:29	WG812624
(S) p-Terphenyl-d14	86.1				29.3-137		09/03/2015 08:29	WG812624

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	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Dissolved Solids	611		2.82	10.0	10.0	1	09/02/2015 15:58	WG812597

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Alkalinity	234		2.61	20.0	20.0	1	09/02/2015 14:06	WG812795

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Nitrate-Nitrite	1.96		0.0197	0.100	0.100	1	09/02/2015 15:24	WG812781

Wet Chemistry by Method 9040C

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	su			date / time	
pH	7.19	J	1	09/01/2015 15:55	WG812616

Sample Narrative:

9040C L786033-10 WG812616: 7.19 at 20.2c

Wet Chemistry by Method 9050A

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	umhos/cm			date / time	
Specific Conductance	840		1	09/01/2015 11:53	WG812578

Wet Chemistry by Method 9056

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Chloride	104		0.156	1.00	3.00	3	09/05/2015 17:19	WG813559
Fluoride	0.940		0.0297	0.100	0.300	3	09/05/2015 17:19	WG813559
Sulfate	44.6		0.0774	5.00	5.00	1	09/08/2015 19:00	WG814058

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Aluminum,Dissolved	U		0.0350	0.200	0.200	1	09/08/2015 12:02	WG812705
Calcium,Dissolved	119		0.0463	1.00	1.00	1	09/08/2015 12:02	WG812705
Iron,Dissolved	U		0.0141	0.100	0.100	1	09/08/2015 12:02	WG812705
Magnesium,Dissolved	14.8		0.0111	1.00	1.00	1	09/08/2015 12:02	WG812705
Potassium,Dissolved	3.33		0.102	1.00	1.00	1	09/08/2015 12:02	WG812705
Sodium,Dissolved	33.3		0.0985	1.00	1.00	1	09/08/2015 12:02	WG812705

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Arsenic,Dissolved	0.00271		0.000250	0.00200	0.00200	1	09/08/2015 15:11	WG812711
Barium,Dissolved	0.0998		0.000360	0.00500	0.00500	1	09/08/2015 15:11	WG812711
Boron,Dissolved	0.188		0.00150	0.0200	0.0200	1	09/08/2015 18:24	WG812711
Cadmium,Dissolved	U		0.000160	0.00100	0.00100	1	09/08/2015 15:11	WG812711
Chromium,Dissolved	0.00261		0.000540	0.00200	0.00200	1	09/08/2015 15:11	WG812711
Copper,Dissolved	0.00122	J	0.000520	0.00500	0.00500	1	09/08/2015 15:11	WG812711
Cobalt,Dissolved	0.000326	J	0.000260	0.00200	0.00200	1	09/08/2015 15:11	WG812711



Collected date/time: 08/27/15 15:05

L786033

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Lead,Dissolved	U		0.000240	0.00200	0.00200	1	09/08/2015 15:11	WG812711
Manganese,Dissolved	U		0.000250	0.00500	0.00500	1	09/08/2015 15:11	WG812711
Molybdenum,Dissolved	0.00429	U	0.000140	0.00500	0.00500	1	09/08/2015 15:11	WG812711
Nickel,Dissolved	0.00190	U	0.000350	0.00200	0.00200	1	09/08/2015 15:11	WG812711
Selenium,Dissolved	0.00123	U	0.000380	0.00200	0.00200	1	09/08/2015 15:11	WG812711
Silver,Dissolved	U		0.000310	0.00200	0.00200	1	09/08/2015 15:11	WG812711
Uranium,Dissolved	0.00485	U	0.000330	0.0100	0.0100	1	09/08/2015 15:11	WG812711
Zinc,Dissolved	0.00334	U	0.00256	0.0250	0.0250	1	09/08/2015 15:11	WG812711

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

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0100	1.00	1.00	1	09/05/2015 09:07	WG813608
Benzene	U		0.000331	0.00100	0.00100	1	09/05/2015 09:07	WG813608
Bromodichloromethane	U		0.000380	0.00125	0.00125	1	09/05/2015 09:07	WG813608
Bromoform	U		0.000469	0.00100	0.00100	1	09/05/2015 09:07	WG813608
Bromomethane	U		0.000866	0.00500	0.00500	1	09/05/2015 09:07	WG813608
n-Butylbenzene	U		0.000361	0.00100	0.00100	1	09/05/2015 09:07	WG813608
sec-Butylbenzene	U		0.000365	0.00100	0.00100	1	09/05/2015 09:07	WG813608
tert-Butylbenzene	U		0.000399	0.00100	0.00100	1	09/05/2015 09:07	WG813608
Carbon disulfide	U		0.000275	0.00100	0.00100	1	09/05/2015 09:07	WG813608
Carbon tetrachloride	U		0.000379	0.00100	0.00100	1	09/05/2015 09:07	WG813608
Chlorobenzene	U		0.000348	0.00100	0.00100	1	09/05/2015 09:07	WG813608
Chlorodibromomethane	U		0.000327	0.00100	0.00100	1	09/05/2015 09:07	WG813608
Chloroethane	U		0.000453	0.00500	0.00500	1	09/05/2015 09:07	WG813608
Chloroform	U		0.000324	0.00500	0.00500	1	09/05/2015 09:07	WG813608
Chloromethane	U		0.000276	0.00250	0.00250	1	09/05/2015 09:07	WG813608
1,2-Dibromoethane	U		0.000381	0.00100	0.00100	1	09/05/2015 09:07	WG813608
1,1-Dichloroethane	U		0.000259	0.00100	0.00100	1	09/05/2015 09:07	WG813608
1,2-Dichloroethane	U		0.000361	0.00100	0.00100	1	09/05/2015 09:07	WG813608
1,1-Dichloroethene	U		0.000398	0.00100	0.00100	1	09/05/2015 09:07	WG813608
cis-1,2-Dichloroethene	U		0.000260	0.00100	0.00100	1	09/05/2015 09:07	WG813608
trans-1,2-Dichloroethene	U		0.000396	0.00100	0.00100	1	09/05/2015 09:07	WG813608
1,2-Dichloropropane	U		0.000306	0.00100	0.00100	1	09/05/2015 09:07	WG813608
cis-1,3-Dichloropropene	U		0.000418	0.00100	0.00100	1	09/05/2015 09:07	WG813608
trans-1,3-Dichloropropene	U		0.000419	0.00100	0.00100	1	09/05/2015 09:07	WG813608
Ethylbenzene	U		0.000384	0.00100	0.00100	1	09/05/2015 09:07	WG813608
Hexachloro-1,3-butadiene	U		0.000256	0.00100	0.00100	1	09/05/2015 09:07	WG813608
2-Hexanone	U		0.00382	0.0100	0.0100	1	09/05/2015 09:07	WG813608
Isopropylbenzene	U		0.000326	0.00100	0.00100	1	09/05/2015 09:07	WG813608
p-Isopropyltoluene	U		0.000350	0.00100	0.00100	1	09/05/2015 09:07	WG813608
2-Butanone (MEK)	U		0.00393	0.0100	0.0100	1	09/05/2015 09:07	WG813608
Methylene Chloride	U		0.00100	0.00500	0.00500	1	09/05/2015 09:07	WG813608
4-Methyl-2-pentanone (MIBK)	U		0.00214	0.0100	0.0100	1	09/05/2015 09:07	WG813608
Methyl tert-butyl ether	U		0.000367	0.00100	0.00100	1	09/05/2015 09:07	WG813608
Naphthalene	U		0.00100	0.00500	0.00500	1	09/05/2015 09:07	WG813608
n-Propylbenzene	U		0.000349	0.00100	0.00100	1	09/05/2015 09:07	WG813608
Styrene	U		0.000307	0.00100	0.00100	1	09/05/2015 09:07	WG813608
1,1,2,2-Tetrachloroethane	U		0.000130	0.00100	0.00100	1	09/05/2015 09:07	WG813608
Tetrachloroethene	U		0.000372	0.00100	0.00100	1	09/05/2015 09:07	WG813608
Toluene	U		0.000780	0.00500	0.00500	1	09/05/2015 09:07	WG813608
1,1,1-Trichloroethane	U		0.000319	0.00100	0.00100	1	09/05/2015 09:07	WG813608
1,1,2-Trichloroethane	U		0.000383	0.00100	0.00100	1	09/05/2015 09:07	WG813608
Trichloroethene	U		0.000398	0.00100	0.00100	1	09/05/2015 09:07	WG813608
1,2,4-Trimethylbenzene	U		0.000373	0.00100	0.00100	1	09/05/2015 09:07	WG813608
1,3,5-Trimethylbenzene	U		0.000387	0.00100	0.00100	1	09/05/2015 09:07	WG813608

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 mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Vinyl chloride	U		0.000259	0.00100	0.00100	1	09/05/2015 09:07	WG813608
Xylenes, Total	U		0.00106	0.00300	0.00300	1	09/05/2015 09:07	WG813608
(S) Toluene-d8	103				90.0-115		09/05/2015 09:07	WG813608
(S) Dibromofluoromethane	95.5				79.0-121		09/05/2015 09:07	WG813608
(S) 4-Bromofluorobenzene	96.7				80.1-120		09/05/2015 09:07	WG813608

Semi Volatile Organic Compounds (GC/MS) by Method 8270 C

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.000316	0.00100	0.00100	1	09/03/2015 08:52	WG812624
Acenaphthylene	U		0.000309	0.00100	0.00100	1	09/03/2015 08:52	WG812624
Acetophenone	U		0.00247	0.0100	0.0100	1	09/03/2015 08:52	WG812624
Anthracene	U		0.000291	0.00100	0.00100	1	09/03/2015 08:52	WG812624
Atrazine	U		0.000260	0.0100	0.0100	1	09/03/2015 08:52	WG812624
Benzo(a)anthracene	U		0.0000510	0.00100	0.00100	1	09/03/2015 08:52	WG812624
Benzaldehyde	U	J3	0.00140	0.0100	0.0100	1	09/03/2015 08:52	WG812624
Benzo(b)fluoranthene	U		0.0000896	0.00100	0.00100	1	09/03/2015 08:52	WG812624
Benzo(k)fluoranthene	U		0.000355	0.00100	0.00100	1	09/03/2015 08:52	WG812624
Benzo(g,h,i)perylene	U		0.00000227	0.00100	0.00100	1	09/03/2015 08:52	WG812624
Benzo(a)pyrene	U		0.0000381	0.000200	0.000200	1	09/03/2015 08:52	WG812624
Biphenyl	U		0.000325	0.0100	0.0100	1	09/03/2015 08:52	WG812624
Bis(2-chlorethoxy)methane	U		0.000329	0.0100	0.0100	1	09/03/2015 08:52	WG812624
Bis(2-chloroethyl)ether	U		0.00162	0.0100	0.0100	1	09/03/2015 08:52	WG812624
Bis(2-chloroisopropyl)ether	U		0.000445	0.0100	0.0100	1	09/03/2015 08:52	WG812624
4-Bromophenyl-phenylether	U		0.000335	0.0100	0.0100	1	09/03/2015 08:52	WG812624
2-Chloronaphthalene	U		0.000330	0.00100	0.00100	1	09/03/2015 08:52	WG812624
4-Chlorophenyl-phenylether	U		0.000303	0.0100	0.0100	1	09/03/2015 08:52	WG812624
Caprolactam	0.0141		0.00259	0.0100	0.0100	1	09/03/2015 08:52	WG812624
Carbazole	U		0.000260	0.0100	0.0100	1	09/03/2015 08:52	WG812624
Chrysene	U		0.000332	0.00100	0.00100	1	09/03/2015 08:52	WG812624
Dibenz(a,h)anthracene	U		0.0000644	0.000200	0.000200	1	09/03/2015 08:52	WG812624
Dibenzofuran	U		0.000338	0.0100	0.0100	1	09/03/2015 08:52	WG812624
3,3-Dichlorobenzidine	U		0.00202	0.0100	0.0100	1	09/03/2015 08:52	WG812624
2,4-Dinitrotoluene	U		0.00165	0.0100	0.0100	1	09/03/2015 08:52	WG812624
2,6-Dinitrotoluene	U		0.000279	0.0100	0.0100	1	09/03/2015 08:52	WG812624
Fluoranthene	U		0.000310	0.00100	0.00100	1	09/03/2015 08:52	WG812624
Fluorene	U		0.000323	0.00100	0.00100	1	09/03/2015 08:52	WG812624
Hexachlorobenzene	U		0.000341	0.00100	0.00100	1	09/03/2015 08:52	WG812624
Hexachloro-1,3-butadiene	U		0.000329	0.0100	0.0100	1	09/03/2015 08:52	WG812624
Hexachlorocyclopentadiene	U		0.00233	0.0100	0.0100	1	09/03/2015 08:52	WG812624
Hexachloroethane	U		0.000365	0.0100	0.0100	1	09/03/2015 08:52	WG812624
Indeno(1,2,3-cd)pyrene	U		0.000279	0.00100	0.00100	1	09/03/2015 08:52	WG812624
Isophorone	U		0.000272	0.0100	0.0100	1	09/03/2015 08:52	WG812624
1-Methylnaphthalene	U		0.000332	0.00100	0.00100	1	09/03/2015 08:52	WG812624
2-Methylnaphthalene	U		0.000311	0.00100	0.00100	1	09/03/2015 08:52	WG812624
Naphthalene	U		0.000372	0.00100	0.00100	1	09/03/2015 08:52	WG812624
Nitrobenzene	U		0.000367	0.0100	0.0100	1	09/03/2015 08:52	WG812624
n-Nitrosodiphenylamine	U		0.000304	0.0100	0.0100	1	09/03/2015 08:52	WG812624
n-Nitrosodi-n-propylamine	U		0.000403	0.0100	0.0100	1	09/03/2015 08:52	WG812624
Phenanthrene	U		0.000366	0.00100	0.00100	1	09/03/2015 08:52	WG812624
Benzylbutyl phthalate	U		0.000275	0.00300	0.00300	1	09/03/2015 08:52	WG812624
Bis(2-ethylhexyl)phthalate	0.00110	J	0.000709	0.00300	0.00300	1	09/03/2015 08:52	WG812624
Di-n-butyl phthalate	0.000609	J	0.000266	0.00300	0.00300	1	09/03/2015 08:52	WG812624
Diethyl phthalate	U		0.000282	0.00300	0.00300	1	09/03/2015 08:52	WG812624
Dimethyl phthalate	U		0.000283	0.00300	0.00300	1	09/03/2015 08:52	WG812624
Di-n-octyl phthalate	U		0.000278	0.00300	0.00300	1	09/03/2015 08:52	WG812624

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Collected date/time: 08/27/15 15:05

L786033

Semi Volatile Organic Compounds (GC/MS) by Method 8270 C

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Pyrene	U		0.000330	0.00100	0.00100	1	09/03/2015 08:52	WG812624
1,2,4-Trichlorobenzene	U		0.000355	0.0100	0.0100	1	09/03/2015 08:52	WG812624
4-Chloro-3-methylphenol	U		0.000263	0.0100	0.0100	1	09/03/2015 08:52	WG812624
2-Chlorophenol	U		0.000283	0.0100	0.0100	1	09/03/2015 08:52	WG812624
2,4-Dichlorophenol	U		0.000284	0.0100	0.0100	1	09/03/2015 08:52	WG812624
2,4-Dimethylphenol	U		0.000624	0.0100	0.0100	1	09/03/2015 08:52	WG812624
4,6-Dinitro-2-methylphenol	U		0.00262	0.0100	0.0100	1	09/03/2015 08:52	WG812624
2,4-Dinitrophenol	U	J3	0.00325	0.0100	0.0100	1	09/03/2015 08:52	WG812624
2-Nitrophenol	U		0.000320	0.0100	0.0100	1	09/03/2015 08:52	WG812624
2-Nitroaniline	U		0.00190	0.0100	0.0100	1	09/03/2015 08:52	WG812624
2-Methylphenol	U		0.000312	0.0100	0.0100	1	09/03/2015 08:52	WG812624
3&4-Methyl Phenol	U		0.000266	0.0100	0.0100	1	09/03/2015 08:52	WG812624
3-Nitroaniline	U		0.000308	0.0100	0.0100	1	09/03/2015 08:52	WG812624
4-Chloroaniline	U		0.000382	0.0100	0.0100	1	09/03/2015 08:52	WG812624
4-Nitroaniline	U	J4	0.000349	0.0100	0.0100	1	09/03/2015 08:52	WG812624
4-Nitrophenol	U		0.00201	0.0100	0.0100	1	09/03/2015 08:52	WG812624
Pentachlorophenol	U		0.000313	0.0100	0.0100	1	09/03/2015 08:52	WG812624
Phenol	0.000530	J	0.000334	0.0100	0.0100	1	09/03/2015 08:52	WG812624
2,4,5-Trichlorophenol	U		0.000236	0.0100	0.0100	1	09/03/2015 08:52	WG812624
2,4,6-Trichlorophenol	U		0.000297	0.0100	0.0100	1	09/03/2015 08:52	WG812624
(S) 2-Fluorophenol	58.0				10.0-77.9		09/03/2015 08:52	WG812624
(S) Phenol-d5	41.6				5.00-70.1		09/03/2015 08:52	WG812624
(S) Nitrobenzene-d5	85.1				21.8-123		09/03/2015 08:52	WG812624
(S) 2-Fluorobiphenyl	89.3				29.5-131		09/03/2015 08:52	WG812624
(S) 2,4,6-Tribromophenol	69.3				11.2-130		09/03/2015 08:52	WG812624
(S) p-Terphenyl-d14	88.2				29.3-137		09/03/2015 08:52	WG812624

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	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Dissolved Solids	1260		2.82	10.0	10.0	1	09/02/2015 15:33	WG812599

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Alkalinity	422		13.0	20.0	100	5	09/03/2015 08:38	WG812796

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Nitrate-Nitrite	8.80		0.0197	0.100	0.100	1	09/02/2015 15:25	WG812781

Wet Chemistry by Method 9040C

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	su			date / time	
pH	6.63	J	1	09/01/2015 15:55	WG812616

Sample Narrative:

9040C L786033-11 WG812616: 6.63 at 19.7c

Wet Chemistry by Method 9050A

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	umhos/cm			date / time	
Specific Conductance	1730		1	09/01/2015 11:53	WG812578

Wet Chemistry by Method 9056

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Chloride	258		0.260	1.00	5.00	5	09/05/2015 17:33	WG813559
Fluoride	0.368	J	0.0495	0.100	0.500	5	09/05/2015 17:33	WG813559
Sulfate	88.5		0.387	5.00	25.0	5	09/08/2015 19:49	WG814058

Mercury by Method 7470A

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Mercury	U		0.0000490	0.000200	0.000200	1	09/01/2015 14:33	WG812697

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Aluminum,Dissolved	U		0.0350	0.200	0.200	1	09/08/2015 12:05	WG812705
Calcium,Dissolved	238		0.0463	1.00	1.00	1	09/08/2015 12:05	WG812705
Iron,Dissolved	U		0.0141	0.100	0.100	1	09/08/2015 12:05	WG812705
Magnesium,Dissolved	32.7		0.0111	1.00	1.00	1	09/08/2015 12:05	WG812705
Potassium,Dissolved	4.39		0.102	1.00	1.00	1	09/08/2015 12:05	WG812705
Sodium,Dissolved	84.4		0.0985	1.00	1.00	1	09/08/2015 12:05	WG812705



Collected date/time: 08/27/15 16:02

L786033

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Arsenic,Dissolved	0.00537		0.000250	0.00200	0.00200	1	09/08/2015 15:14	WG812711
Barium,Dissolved	0.232		0.000360	0.00500	0.00500	1	09/08/2015 15:14	WG812711
Boron,Dissolved	0.245		0.00150	0.0200	0.0200	1	09/08/2015 18:26	WG812711
Cadmium,Dissolved	U		0.000160	0.00100	0.00100	1	09/08/2015 15:14	WG812711
Chromium,Dissolved	0.000562	UL	0.000540	0.00200	0.00200	1	09/08/2015 15:14	WG812711
Copper,Dissolved	0.000544	UL	0.000520	0.00500	0.00500	1	09/08/2015 15:14	WG812711
Cobalt,Dissolved	0.000346	UL	0.000260	0.00200	0.00200	1	09/08/2015 15:14	WG812711
Lead,Dissolved	U		0.000240	0.00200	0.00200	1	09/08/2015 15:14	WG812711
Manganese,Dissolved	0.00141	UL	0.000250	0.00500	0.00500	1	09/08/2015 15:14	WG812711
Molybdenum,Dissolved	0.000854	UL	0.000140	0.00500	0.00500	1	09/08/2015 15:14	WG812711
Nickel,Dissolved	0.00204		0.000350	0.00200	0.00200	1	09/08/2015 15:14	WG812711
Selenium,Dissolved	0.00224		0.000380	0.00200	0.00200	1	09/08/2015 15:14	WG812711
Silver,Dissolved	U		0.000310	0.00200	0.00200	1	09/08/2015 15:14	WG812711
Uranium,Dissolved	0.00891	UL	0.000330	0.0100	0.0100	1	09/08/2015 15:14	WG812711
Zinc,Dissolved	0.00316	UL	0.00256	0.0250	0.0250	1	09/08/2015 15:14	WG812711

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 mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0100	1.00	1.00	1	09/05/2015 09:27	WG813608
Benzene	U		0.000331	0.00100	0.00100	1	09/05/2015 09:27	WG813608
Bromodichloromethane	U		0.000380	0.00125	0.00125	1	09/05/2015 09:27	WG813608
Bromoform	U		0.000469	0.00100	0.00100	1	09/05/2015 09:27	WG813608
Bromomethane	U		0.000866	0.00500	0.00500	1	09/05/2015 09:27	WG813608
n-Butylbenzene	U		0.000361	0.00100	0.00100	1	09/05/2015 09:27	WG813608
sec-Butylbenzene	U		0.000365	0.00100	0.00100	1	09/05/2015 09:27	WG813608
tert-Butylbenzene	U		0.000399	0.00100	0.00100	1	09/05/2015 09:27	WG813608
Carbon disulfide	U		0.000275	0.00100	0.00100	1	09/05/2015 09:27	WG813608
Carbon tetrachloride	U		0.000379	0.00100	0.00100	1	09/05/2015 09:27	WG813608
Chlorobenzene	U		0.000348	0.00100	0.00100	1	09/05/2015 09:27	WG813608
Chlorodibromomethane	U		0.000327	0.00100	0.00100	1	09/05/2015 09:27	WG813608
Chloroethane	U		0.000453	0.00500	0.00500	1	09/05/2015 09:27	WG813608
Chloroform	U		0.000324	0.00500	0.00500	1	09/05/2015 09:27	WG813608
Chloromethane	U		0.000276	0.00250	0.00250	1	09/05/2015 09:27	WG813608
1,2-Dibromoethane	U		0.000381	0.00100	0.00100	1	09/05/2015 09:27	WG813608
1,1-Dichloroethane	U		0.000259	0.00100	0.00100	1	09/05/2015 09:27	WG813608
1,2-Dichloroethane	U		0.000361	0.00100	0.00100	1	09/05/2015 09:27	WG813608
1,1-Dichloroethene	U		0.000398	0.00100	0.00100	1	09/05/2015 09:27	WG813608
cis-1,2-Dichloroethene	U		0.000260	0.00100	0.00100	1	09/05/2015 09:27	WG813608
trans-1,2-Dichloroethene	U		0.000396	0.00100	0.00100	1	09/05/2015 09:27	WG813608
1,2-Dichloropropane	U		0.000306	0.00100	0.00100	1	09/05/2015 09:27	WG813608
cis-1,3-Dichloropropene	U		0.000418	0.00100	0.00100	1	09/05/2015 09:27	WG813608
trans-1,3-Dichloropropene	U		0.000419	0.00100	0.00100	1	09/05/2015 09:27	WG813608
Ethylbenzene	U		0.000384	0.00100	0.00100	1	09/05/2015 09:27	WG813608
Hexachloro-1,3-butadiene	U		0.000256	0.00100	0.00100	1	09/05/2015 09:27	WG813608
2-Hexanone	U		0.00382	0.0100	0.0100	1	09/05/2015 09:27	WG813608
Isopropylbenzene	U		0.000326	0.00100	0.00100	1	09/05/2015 09:27	WG813608
p-Isopropyltoluene	U		0.000350	0.00100	0.00100	1	09/05/2015 09:27	WG813608
2-Butanone (MEK)	U		0.00393	0.0100	0.0100	1	09/05/2015 09:27	WG813608
Methylene Chloride	U		0.00100	0.00500	0.00500	1	09/05/2015 09:27	WG813608
4-Methyl-2-pentanone (MIBK)	U		0.00214	0.0100	0.0100	1	09/05/2015 09:27	WG813608
Methyl tert-butyl ether	U		0.000367	0.00100	0.00100	1	09/05/2015 09:27	WG813608
Naphthalene	U		0.00100	0.00500	0.00500	1	09/05/2015 09:27	WG813608
n-Propylbenzene	U		0.000349	0.00100	0.00100	1	09/05/2015 09:27	WG813608
Styrene	U		0.000307	0.00100	0.00100	1	09/05/2015 09:27	WG813608
1,1,2,2-Tetrachloroethane	U		0.000130	0.00100	0.00100	1	09/05/2015 09:27	WG813608



Collected date/time: 08/27/15 16:02

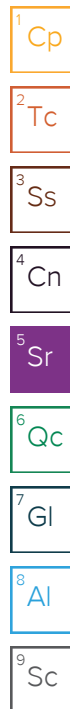
L786033

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

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Tetrachloroethene	U		0.000372	0.00100	0.00100	1	09/05/2015 09:27	WG813608
Toluene	U		0.000780	0.00500	0.00500	1	09/05/2015 09:27	WG813608
1,1,1-Trichloroethane	U		0.000319	0.00100	0.00100	1	09/05/2015 09:27	WG813608
1,1,2-Trichloroethane	U		0.000383	0.00100	0.00100	1	09/05/2015 09:27	WG813608
Trichloroethene	U		0.000398	0.00100	0.00100	1	09/05/2015 09:27	WG813608
1,2,4-Trimethylbenzene	U		0.000373	0.00100	0.00100	1	09/05/2015 09:27	WG813608
1,3,5-Trimethylbenzene	U		0.000387	0.00100	0.00100	1	09/05/2015 09:27	WG813608
Vinyl chloride	U		0.000259	0.00100	0.00100	1	09/05/2015 09:27	WG813608
Xylenes, Total	U		0.00106	0.00300	0.00300	1	09/05/2015 09:27	WG813608
(S) Toluene-d8	102				90.0-115		09/05/2015 09:27	WG813608
(S) Dibromofluoromethane	94.9				79.0-121		09/05/2015 09:27	WG813608
(S) 4-Bromofluorobenzene	101				80.1-120		09/05/2015 09:27	WG813608

Semi Volatile Organic Compounds (GC/MS) by Method 8270 C

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.000316	0.00100	0.00100	1	09/03/2015 09:16	WG812624
Acenaphthylene	U		0.000309	0.00100	0.00100	1	09/03/2015 09:16	WG812624
Acetophenone	U		0.00247	0.0100	0.0100	1	09/03/2015 09:16	WG812624
Anthracene	U		0.000291	0.00100	0.00100	1	09/03/2015 09:16	WG812624
Atrazine	U		0.000260	0.0100	0.0100	1	09/03/2015 09:16	WG812624
Benzo(a)anthracene	U		0.0000510	0.00100	0.00100	1	09/03/2015 09:16	WG812624
Benzaldehyde	U	J3	0.00140	0.0100	0.0100	1	09/03/2015 09:16	WG812624
Benzo(b)fluoranthene	U		0.0000896	0.00100	0.00100	1	09/03/2015 09:16	WG812624
Benzo(k)fluoranthene	U		0.000355	0.00100	0.00100	1	09/03/2015 09:16	WG812624
Benzo(g,h,i)perylene	U		0.00000227	0.00100	0.00100	1	09/03/2015 09:16	WG812624
Benzo(a)pyrene	U		0.0000381	0.000200	0.000200	1	09/03/2015 09:16	WG812624
Biphenyl	U		0.000325	0.0100	0.0100	1	09/03/2015 09:16	WG812624
Bis(2-chlorethoxy)methane	U		0.000329	0.0100	0.0100	1	09/03/2015 09:16	WG812624
Bis(2-chloroethyl)ether	U		0.00162	0.0100	0.0100	1	09/03/2015 09:16	WG812624
Bis(2-chloroisopropyl)ether	U		0.000445	0.0100	0.0100	1	09/03/2015 09:16	WG812624
4-Bromophenyl-phenylether	U		0.000335	0.0100	0.0100	1	09/03/2015 09:16	WG812624
2-Chloronaphthalene	U		0.000330	0.00100	0.00100	1	09/03/2015 09:16	WG812624
4-Chlorophenyl-phenylether	U		0.000303	0.0100	0.0100	1	09/03/2015 09:16	WG812624
Caprolactam	U		0.00259	0.0100	0.0100	1	09/03/2015 09:16	WG812624
Carbazole	U		0.000260	0.0100	0.0100	1	09/03/2015 09:16	WG812624
Chrysene	U		0.000332	0.00100	0.00100	1	09/03/2015 09:16	WG812624
Dibenz(a,h)anthracene	U		0.0000644	0.000200	0.000200	1	09/03/2015 09:16	WG812624
Dibenzofuran	U		0.000338	0.0100	0.0100	1	09/03/2015 09:16	WG812624
3,3-Dichlorobenzidine	U		0.00202	0.0100	0.0100	1	09/03/2015 09:16	WG812624
2,4-Dinitrotoluene	U		0.00165	0.0100	0.0100	1	09/03/2015 09:16	WG812624
2,6-Dinitrotoluene	U		0.000279	0.0100	0.0100	1	09/03/2015 09:16	WG812624
Fluoranthene	U		0.000310	0.00100	0.00100	1	09/03/2015 09:16	WG812624
Fluorene	U		0.000323	0.00100	0.00100	1	09/03/2015 09:16	WG812624
Hexachlorobenzene	U		0.000341	0.00100	0.00100	1	09/03/2015 09:16	WG812624
Hexachloro-1,3-butadiene	U		0.000329	0.0100	0.0100	1	09/03/2015 09:16	WG812624
Hexachlorocyclopentadiene	U		0.00233	0.0100	0.0100	1	09/03/2015 09:16	WG812624
Hexachloroethane	U		0.000365	0.0100	0.0100	1	09/03/2015 09:16	WG812624
Indeno(1,2,3-cd)pyrene	U		0.000279	0.00100	0.00100	1	09/03/2015 09:16	WG812624
Isophorone	U		0.000272	0.0100	0.0100	1	09/03/2015 09:16	WG812624
1-Methylnaphthalene	U		0.000332	0.00100	0.00100	1	09/03/2015 09:16	WG812624
2-Methylnaphthalene	U		0.000311	0.00100	0.00100	1	09/03/2015 09:16	WG812624
Naphthalene	U		0.000372	0.00100	0.00100	1	09/03/2015 09:16	WG812624
Nitrobenzene	U		0.000367	0.0100	0.0100	1	09/03/2015 09:16	WG812624
n-Nitrosodiphenylamine	U		0.000304	0.0100	0.0100	1	09/03/2015 09:16	WG812624
n-Nitrosodi-n-propylamine	U		0.000403	0.0100	0.0100	1	09/03/2015 09:16	WG812624





Collected date/time: 08/27/15 16:02

L786033

Semi Volatile Organic Compounds (GC/MS) by Method 8270 C

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Phenanthrene	U		0.000366	0.00100	0.00100	1	09/03/2015 09:16	WG812624
Benzylbutyl phthalate	U		0.000275	0.00300	0.00300	1	09/03/2015 09:16	WG812624
Bis(2-ethylhexyl)phthalate	0.0338		0.000709	0.00300	0.00300	1	09/03/2015 09:16	WG812624
Di-n-butyl phthalate	0.000336	J	0.000266	0.00300	0.00300	1	09/03/2015 09:16	WG812624
Diethyl phthalate	U		0.000282	0.00300	0.00300	1	09/03/2015 09:16	WG812624
Dimethyl phthalate	U		0.000283	0.00300	0.00300	1	09/03/2015 09:16	WG812624
Di-n-octyl phthalate	U		0.000278	0.00300	0.00300	1	09/03/2015 09:16	WG812624
Pyrene	U		0.000330	0.00100	0.00100	1	09/03/2015 09:16	WG812624
1,2,4-Trichlorobenzene	U		0.000355	0.0100	0.0100	1	09/03/2015 09:16	WG812624
4-Chloro-3-methylphenol	U		0.000263	0.0100	0.0100	1	09/03/2015 09:16	WG812624
2-Chlorophenol	U		0.000283	0.0100	0.0100	1	09/03/2015 09:16	WG812624
2,4-Dichlorophenol	U		0.000284	0.0100	0.0100	1	09/03/2015 09:16	WG812624
2,4-Dimethylphenol	U		0.000624	0.0100	0.0100	1	09/03/2015 09:16	WG812624
4,6-Dinitro-2-methylphenol	U		0.00262	0.0100	0.0100	1	09/03/2015 09:16	WG812624
2,4-Dinitrophenol	U	J3	0.00325	0.0100	0.0100	1	09/03/2015 09:16	WG812624
2-Nitrophenol	U		0.000320	0.0100	0.0100	1	09/03/2015 09:16	WG812624
2-Nitroaniline	U		0.00190	0.0100	0.0100	1	09/03/2015 09:16	WG812624
2-Methylphenol	U		0.000312	0.0100	0.0100	1	09/03/2015 09:16	WG812624
3&4-Methyl Phenol	U		0.000266	0.0100	0.0100	1	09/03/2015 09:16	WG812624
3-Nitroaniline	U		0.000308	0.0100	0.0100	1	09/03/2015 09:16	WG812624
4-Chloroaniline	U		0.000382	0.0100	0.0100	1	09/03/2015 09:16	WG812624
4-Nitroaniline	U	J4	0.000349	0.0100	0.0100	1	09/03/2015 09:16	WG812624
4-Nitrophenol	U		0.00201	0.0100	0.0100	1	09/03/2015 09:16	WG812624
Pentachlorophenol	U		0.000313	0.0100	0.0100	1	09/03/2015 09:16	WG812624
Phenol	0.000990	J	0.000334	0.0100	0.0100	1	09/03/2015 09:16	WG812624
2,4,5-Trichlorophenol	U		0.000236	0.0100	0.0100	1	09/03/2015 09:16	WG812624
2,4,6-Trichlorophenol	U		0.000297	0.0100	0.0100	1	09/03/2015 09:16	WG812624
(S) 2-Fluorophenol	62.0				10.0-77.9		09/03/2015 09:16	WG812624
(S) Phenol-d5	45.2				5.00-70.1		09/03/2015 09:16	WG812624
(S) Nitrobenzene-d5	86.2				21.8-123		09/03/2015 09:16	WG812624
(S) 2-Fluorobiphenyl	85.1				29.5-131		09/03/2015 09:16	WG812624
(S) 2,4,6-Tribromophenol	82.5				11.2-130		09/03/2015 09:16	WG812624
(S) p-Terphenyl-d14	85.9				29.3-137		09/03/2015 09:16	WG812624

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	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Dissolved Solids	473		2.82	10.0	10.0	1	09/02/2015 15:35	WG812599

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Alkalinity	269		2.61	20.0	20.0	1	09/02/2015 14:06	WG812795

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Nitrate-Nitrite	0.835		0.0197	0.100	0.100	1	09/02/2015 15:26	WG812781

Wet Chemistry by Method 9040C

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	su			date / time	
pH	6.74	J	1	09/01/2015 15:55	WG812616

Sample Narrative:

9040C L786033-12 WG812616: 6.74 at 19.6c

Wet Chemistry by Method 9050A

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	umhos/cm			date / time	
Specific Conductance	723		1	09/01/2015 11:53	WG812578

Wet Chemistry by Method 9056

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Chloride	32.4		0.0519	1.00	1.00	1	09/05/2015 17:47	WG813559
Fluoride	0.505		0.00990	0.100	0.100	1	09/05/2015 17:47	WG813559
Sulfate	66.5		0.0774	5.00	5.00	1	09/08/2015 20:05	WG814058

Mercury by Method 7470A

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Mercury	U		0.0000490	0.000200	0.000200	1	09/01/2015 14:36	WG812697

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Aluminum,Dissolved	U		0.0350	0.200	0.200	1	09/08/2015 12:08	WG812705
Calcium,Dissolved	90.3		0.0463	1.00	1.00	1	09/08/2015 12:08	WG812705
Iron,Dissolved	U		0.0141	0.100	0.100	1	09/08/2015 12:08	WG812705
Magnesium,Dissolved	10.5		0.0111	1.00	1.00	1	09/08/2015 12:08	WG812705
Potassium,Dissolved	3.16		0.102	1.00	1.00	1	09/08/2015 12:08	WG812705
Sodium,Dissolved	55.1		0.0985	1.00	1.00	1	09/08/2015 12:08	WG812705



Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Arsenic,Dissolved	0.00539		0.000250	0.00200	0.00200	1	09/08/2015 15:16	WG812711
Barium,Dissolved	0.152		0.000360	0.00500	0.00500	1	09/08/2015 15:16	WG812711
Boron,Dissolved	0.181		0.00150	0.0200	0.0200	1	09/08/2015 18:29	WG812711
Cadmium,Dissolved	U		0.000160	0.00100	0.00100	1	09/08/2015 15:16	WG812711
Chromium,Dissolved	U		0.000540	0.00200	0.00200	1	09/08/2015 15:16	WG812711
Copper,Dissolved	0.000540	U	0.000520	0.00500	0.00500	1	09/08/2015 15:16	WG812711
Cobalt,Dissolved	U		0.000260	0.00200	0.00200	1	09/08/2015 15:16	WG812711
Lead,Dissolved	U		0.000240	0.00200	0.00200	1	09/08/2015 15:16	WG812711
Manganese,Dissolved	0.411		0.000250	0.00500	0.00500	1	09/08/2015 15:16	WG812711
Molybdenum,Dissolved	0.00192	U	0.000140	0.00500	0.00500	1	09/08/2015 15:16	WG812711
Nickel,Dissolved	0.00134	U	0.000350	0.00200	0.00200	1	09/08/2015 15:16	WG812711
Selenium,Dissolved	0.00242		0.000380	0.00200	0.00200	1	09/08/2015 15:16	WG812711
Silver,Dissolved	U		0.000310	0.00200	0.00200	1	09/08/2015 15:16	WG812711
Uranium,Dissolved	0.00463	U	0.000330	0.0100	0.0100	1	09/08/2015 15:16	WG812711
Zinc,Dissolved	0.00347	U	0.00256	0.0250	0.0250	1	09/08/2015 15:16	WG812711

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 mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0100	1.00	1.00	1	09/05/2015 09:47	WG813608
Benzene	U		0.000331	0.00100	0.00100	1	09/05/2015 09:47	WG813608
Bromodichloromethane	U		0.000380	0.00125	0.00125	1	09/05/2015 09:47	WG813608
Bromoform	U		0.000469	0.00100	0.00100	1	09/05/2015 09:47	WG813608
Bromomethane	U		0.000866	0.00500	0.00500	1	09/05/2015 09:47	WG813608
n-Butylbenzene	U		0.000361	0.00100	0.00100	1	09/05/2015 09:47	WG813608
sec-Butylbenzene	U		0.000365	0.00100	0.00100	1	09/05/2015 09:47	WG813608
tert-Butylbenzene	U		0.000399	0.00100	0.00100	1	09/05/2015 09:47	WG813608
Carbon disulfide	U		0.000275	0.00100	0.00100	1	09/05/2015 09:47	WG813608
Carbon tetrachloride	U		0.000379	0.00100	0.00100	1	09/05/2015 09:47	WG813608
Chlorobenzene	U		0.000348	0.00100	0.00100	1	09/05/2015 09:47	WG813608
Chlorodibromomethane	U		0.000327	0.00100	0.00100	1	09/05/2015 09:47	WG813608
Chloroethane	U		0.000453	0.00500	0.00500	1	09/05/2015 09:47	WG813608
Chloroform	U		0.000324	0.00500	0.00500	1	09/05/2015 09:47	WG813608
Chloromethane	U		0.000276	0.00250	0.00250	1	09/05/2015 09:47	WG813608
1,2-Dibromoethane	U		0.000381	0.00100	0.00100	1	09/05/2015 09:47	WG813608
1,1-Dichloroethane	U		0.000259	0.00100	0.00100	1	09/05/2015 09:47	WG813608
1,2-Dichloroethane	U		0.000361	0.00100	0.00100	1	09/05/2015 09:47	WG813608
1,1-Dichloroethene	U		0.000398	0.00100	0.00100	1	09/05/2015 09:47	WG813608
cis-1,2-Dichloroethene	U		0.000260	0.00100	0.00100	1	09/05/2015 09:47	WG813608
trans-1,2-Dichloroethene	U		0.000396	0.00100	0.00100	1	09/05/2015 09:47	WG813608
1,2-Dichloropropane	U		0.000306	0.00100	0.00100	1	09/05/2015 09:47	WG813608
cis-1,3-Dichloropropene	U		0.000418	0.00100	0.00100	1	09/05/2015 09:47	WG813608
trans-1,3-Dichloropropene	U		0.000419	0.00100	0.00100	1	09/05/2015 09:47	WG813608
Ethylbenzene	U		0.000384	0.00100	0.00100	1	09/05/2015 09:47	WG813608
Hexachloro-1,3-butadiene	U		0.000256	0.00100	0.00100	1	09/05/2015 09:47	WG813608
2-Hexanone	U		0.00382	0.0100	0.0100	1	09/05/2015 09:47	WG813608
Isopropylbenzene	U		0.000326	0.00100	0.00100	1	09/05/2015 09:47	WG813608
p-Isopropyltoluene	U		0.000350	0.00100	0.00100	1	09/05/2015 09:47	WG813608
2-Butanone (MEK)	U		0.00393	0.0100	0.0100	1	09/05/2015 09:47	WG813608
Methylene Chloride	U		0.00100	0.00500	0.00500	1	09/05/2015 09:47	WG813608
4-Methyl-2-pentanone (MIBK)	U		0.00214	0.0100	0.0100	1	09/05/2015 09:47	WG813608
Methyl tert-butyl ether	U		0.000367	0.00100	0.00100	1	09/05/2015 09:47	WG813608
Naphthalene	U		0.00100	0.00500	0.00500	1	09/05/2015 09:47	WG813608
n-Propylbenzene	U		0.000349	0.00100	0.00100	1	09/05/2015 09:47	WG813608
Styrene	U		0.000307	0.00100	0.00100	1	09/05/2015 09:47	WG813608
1,1,2,2-Tetrachloroethane	U		0.000130	0.00100	0.00100	1	09/05/2015 09:47	WG813608

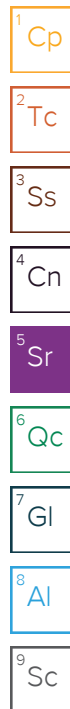


Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Tetrachloroethene	U		0.000372	0.00100	0.00100	1	09/05/2015 09:47	WG813608
Toluene	U		0.000780	0.00500	0.00500	1	09/05/2015 09:47	WG813608
1,1,1-Trichloroethane	U		0.000319	0.00100	0.00100	1	09/05/2015 09:47	WG813608
1,1,2-Trichloroethane	U		0.000383	0.00100	0.00100	1	09/05/2015 09:47	WG813608
Trichloroethene	U		0.000398	0.00100	0.00100	1	09/05/2015 09:47	WG813608
1,2,4-Trimethylbenzene	U		0.000373	0.00100	0.00100	1	09/05/2015 09:47	WG813608
1,3,5-Trimethylbenzene	U		0.000387	0.00100	0.00100	1	09/05/2015 09:47	WG813608
Vinyl chloride	U		0.000259	0.00100	0.00100	1	09/05/2015 09:47	WG813608
Xylenes, Total	U		0.00106	0.00300	0.00300	1	09/05/2015 09:47	WG813608
(S) Toluene-d8	103				90.0-115		09/05/2015 09:47	WG813608
(S) Dibromofluoromethane	94.5				79.0-121		09/05/2015 09:47	WG813608
(S) 4-Bromofluorobenzene	98.6				80.1-120		09/05/2015 09:47	WG813608

Semi Volatile Organic Compounds (GC/MS) by Method 8270 C

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.000316	0.00100	0.00100	1	09/03/2015 09:39	WG812624
Acenaphthylene	U		0.000309	0.00100	0.00100	1	09/03/2015 09:39	WG812624
Acetophenone	U		0.00247	0.0100	0.0100	1	09/03/2015 09:39	WG812624
Anthracene	U		0.000291	0.00100	0.00100	1	09/03/2015 09:39	WG812624
Atrazine	U		0.000260	0.0100	0.0100	1	09/03/2015 09:39	WG812624
Benzo(a)anthracene	U		0.0000510	0.00100	0.00100	1	09/03/2015 09:39	WG812624
Benzaldehyde	U	J3	0.00140	0.0100	0.0100	1	09/03/2015 09:39	WG812624
Benzo(b)fluoranthene	U		0.0000896	0.00100	0.00100	1	09/03/2015 09:39	WG812624
Benzo(k)fluoranthene	U		0.000355	0.00100	0.00100	1	09/03/2015 09:39	WG812624
Benzo(g,h,i)perylene	U		0.00000227	0.00100	0.00100	1	09/03/2015 09:39	WG812624
Benzo(a)pyrene	U		0.0000381	0.000200	0.000200	1	09/03/2015 09:39	WG812624
Biphenyl	U		0.000325	0.0100	0.0100	1	09/03/2015 09:39	WG812624
Bis(2-chlorethoxy)methane	U		0.000329	0.0100	0.0100	1	09/03/2015 09:39	WG812624
Bis(2-chloroethyl)ether	U		0.00162	0.0100	0.0100	1	09/03/2015 09:39	WG812624
Bis(2-chloroisopropyl)ether	U		0.000445	0.0100	0.0100	1	09/03/2015 09:39	WG812624
4-Bromophenyl-phenylether	U		0.000335	0.0100	0.0100	1	09/03/2015 09:39	WG812624
2-Chloronaphthalene	U		0.000330	0.00100	0.00100	1	09/03/2015 09:39	WG812624
4-Chlorophenyl-phenylether	U		0.000303	0.0100	0.0100	1	09/03/2015 09:39	WG812624
Caprolactam	U		0.00259	0.0100	0.0100	1	09/03/2015 09:39	WG812624
Carbazole	U		0.000260	0.0100	0.0100	1	09/03/2015 09:39	WG812624
Chrysene	U		0.000332	0.00100	0.00100	1	09/03/2015 09:39	WG812624
Dibenz(a,h)anthracene	U		0.0000644	0.000200	0.000200	1	09/03/2015 09:39	WG812624
Dibenzofuran	U		0.000338	0.0100	0.0100	1	09/03/2015 09:39	WG812624
3,3-Dichlorobenzidine	U		0.00202	0.0100	0.0100	1	09/03/2015 09:39	WG812624
2,4-Dinitrotoluene	U		0.00165	0.0100	0.0100	1	09/03/2015 09:39	WG812624
2,6-Dinitrotoluene	U		0.000279	0.0100	0.0100	1	09/03/2015 09:39	WG812624
Fluoranthene	U		0.000310	0.00100	0.00100	1	09/03/2015 09:39	WG812624
Fluorene	U		0.000323	0.00100	0.00100	1	09/03/2015 09:39	WG812624
Hexachlorobenzene	U		0.000341	0.00100	0.00100	1	09/03/2015 09:39	WG812624
Hexachloro-1,3-butadiene	U		0.000329	0.0100	0.0100	1	09/03/2015 09:39	WG812624
Hexachlorocyclopentadiene	U		0.00233	0.0100	0.0100	1	09/03/2015 09:39	WG812624
Hexachloroethane	U		0.000365	0.0100	0.0100	1	09/03/2015 09:39	WG812624
Indeno(1,2,3-cd)pyrene	U		0.000279	0.00100	0.00100	1	09/03/2015 09:39	WG812624
Isophorone	U		0.000272	0.0100	0.0100	1	09/03/2015 09:39	WG812624
1-Methylnaphthalene	U		0.000332	0.00100	0.00100	1	09/03/2015 09:39	WG812624
2-Methylnaphthalene	U		0.000311	0.00100	0.00100	1	09/03/2015 09:39	WG812624
Naphthalene	U		0.000372	0.00100	0.00100	1	09/03/2015 09:39	WG812624
Nitrobenzene	U		0.000367	0.0100	0.0100	1	09/03/2015 09:39	WG812624
n-Nitrosodiphenylamine	U		0.000304	0.0100	0.0100	1	09/03/2015 09:39	WG812624
n-Nitrosodi-n-propylamine	U		0.000403	0.0100	0.0100	1	09/03/2015 09:39	WG812624





Collected date/time: 08/27/15 17:06

L786033

Semi Volatile Organic Compounds (GC/MS) by Method 8270 C

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Phenanthrene	U		0.000366	0.00100	0.00100	1	09/03/2015 09:39	WG812624
Benzylbutyl phthalate	U		0.000275	0.00300	0.00300	1	09/03/2015 09:39	WG812624
Bis(2-ethylhexyl)phthalate	0.00176	J	0.000709	0.00300	0.00300	1	09/03/2015 09:39	WG812624
Di-n-butyl phthalate	0.000339	J	0.000266	0.00300	0.00300	1	09/03/2015 09:39	WG812624
Diethyl phthalate	U		0.000282	0.00300	0.00300	1	09/03/2015 09:39	WG812624
Dimethyl phthalate	U		0.000283	0.00300	0.00300	1	09/03/2015 09:39	WG812624
Di-n-octyl phthalate	U		0.000278	0.00300	0.00300	1	09/03/2015 09:39	WG812624
Pyrene	U		0.000330	0.00100	0.00100	1	09/03/2015 09:39	WG812624
1,2,4-Trichlorobenzene	U		0.000355	0.0100	0.0100	1	09/03/2015 09:39	WG812624
4-Chloro-3-methylphenol	U		0.000263	0.0100	0.0100	1	09/03/2015 09:39	WG812624
2-Chlorophenol	U		0.000283	0.0100	0.0100	1	09/03/2015 09:39	WG812624
2,4-Dichlorophenol	U		0.000284	0.0100	0.0100	1	09/03/2015 09:39	WG812624
2,4-Dimethylphenol	U		0.000624	0.0100	0.0100	1	09/03/2015 09:39	WG812624
4,6-Dinitro-2-methylphenol	U		0.00262	0.0100	0.0100	1	09/03/2015 09:39	WG812624
2,4-Dinitrophenol	U	J3	0.00325	0.0100	0.0100	1	09/03/2015 09:39	WG812624
2-Nitrophenol	U		0.000320	0.0100	0.0100	1	09/03/2015 09:39	WG812624
2-Nitroaniline	U		0.00190	0.0100	0.0100	1	09/03/2015 09:39	WG812624
2-Methylphenol	U		0.000312	0.0100	0.0100	1	09/03/2015 09:39	WG812624
3&4-Methyl Phenol	U		0.000266	0.0100	0.0100	1	09/03/2015 09:39	WG812624
3-Nitroaniline	U		0.000308	0.0100	0.0100	1	09/03/2015 09:39	WG812624
4-Chloroaniline	U		0.000382	0.0100	0.0100	1	09/03/2015 09:39	WG812624
4-Nitroaniline	U	J4	0.000349	0.0100	0.0100	1	09/03/2015 09:39	WG812624
4-Nitrophenol	U		0.00201	0.0100	0.0100	1	09/03/2015 09:39	WG812624
Pentachlorophenol	U		0.000313	0.0100	0.0100	1	09/03/2015 09:39	WG812624
Phenol	U		0.000334	0.0100	0.0100	1	09/03/2015 09:39	WG812624
2,4,5-Trichlorophenol	U		0.000236	0.0100	0.0100	1	09/03/2015 09:39	WG812624
2,4,6-Trichlorophenol	U		0.000297	0.0100	0.0100	1	09/03/2015 09:39	WG812624
(S) 2-Fluorophenol	34.3				10.0-77.9		09/03/2015 09:39	WG812624
(S) Phenol-d5	22.8				5.00-70.1		09/03/2015 09:39	WG812624
(S) Nitrobenzene-d5	74.5				21.8-123		09/03/2015 09:39	WG812624
(S) 2-Fluorobiphenyl	80.4				29.5-131		09/03/2015 09:39	WG812624
(S) 2,4,6-Tribromophenol	73.7				11.2-130		09/03/2015 09:39	WG812624
(S) p-Terphenyl-d14	74.1				29.3-137		09/03/2015 09:39	WG812624

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	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Dissolved Solids	658		2.82	10.0	10.0	1	09/02/2015 15:36	WG812599

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Alkalinity	236		2.61	20.0	20.0	1	09/02/2015 14:06	WG812795

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Nitrate-Nitrite	2.86		0.0197	0.100	0.100	1	09/02/2015 15:27	WG812781

Wet Chemistry by Method 9040C

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	su			date / time	
pH	7.10	J	1	09/01/2015 15:55	WG812616

Sample Narrative:

9040C L786033-13 WG812616: 7.10 at 19.6c

Wet Chemistry by Method 9050A

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	umhos/cm			date / time	
Specific Conductance	949		1	09/01/2015 11:53	WG812578

Wet Chemistry by Method 9056

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Chloride	110		0.156	1.00	3.00	3	09/05/2015 14:54	WG813560
Fluoride	0.859		0.0297	0.100	0.300	3	09/05/2015 14:54	WG813560
Sulfate	87.4		0.232	5.00	15.0	3	09/05/2015 14:54	WG813560

Mercury by Method 7470A

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Mercury	U		0.0000490	0.000200	0.000200	1	09/01/2015 14:38	WG812697

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Aluminum,Dissolved	U		0.0350	0.200	0.200	1	09/08/2015 12:17	WG812705
Calcium,Dissolved	131		0.0463	1.00	1.00	1	09/08/2015 12:17	WG812705
Iron,Dissolved	0.0218	J	0.0141	0.100	0.100	1	09/08/2015 12:17	WG812705
Magnesium,Dissolved	16.3		0.0111	1.00	1.00	1	09/08/2015 12:17	WG812705
Potassium,Dissolved	2.38		0.102	1.00	1.00	1	09/08/2015 12:17	WG812705
Sodium,Dissolved	43.8		0.0985	1.00	1.00	1	09/08/2015 12:17	WG812705



Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Arsenic,Dissolved	0.00320		0.000250	0.00200	0.00200	1	09/08/2015 15:18	WG812711
Barium,Dissolved	0.0972		0.000360	0.00500	0.00500	1	09/08/2015 15:18	WG812711
Boron,Dissolved	0.171		0.00150	0.0200	0.0200	1	09/08/2015 18:31	WG812711
Cadmium,Dissolved	U		0.000160	0.00100	0.00100	1	09/08/2015 15:18	WG812711
Chromium,Dissolved	0.000967	UL	0.000540	0.00200	0.00200	1	09/08/2015 15:18	WG812711
Copper,Dissolved	0.000632	UL	0.000520	0.00500	0.00500	1	09/08/2015 15:18	WG812711
Cobalt,Dissolved	U		0.000260	0.00200	0.00200	1	09/08/2015 15:18	WG812711
Lead,Dissolved	U		0.000240	0.00200	0.00200	1	09/08/2015 15:18	WG812711
Manganese,Dissolved	0.00123	UL	0.000250	0.00500	0.00500	1	09/08/2015 15:18	WG812711
Molybdenum,Dissolved	0.00163	UL	0.000140	0.00500	0.00500	1	09/08/2015 15:18	WG812711
Nickel,Dissolved	0.000779	UL	0.000350	0.00200	0.00200	1	09/08/2015 15:18	WG812711
Selenium,Dissolved	0.00203		0.000380	0.00200	0.00200	1	09/08/2015 15:18	WG812711
Silver,Dissolved	U		0.000310	0.00200	0.00200	1	09/08/2015 15:18	WG812711
Uranium,Dissolved	0.00267	UL	0.000330	0.0100	0.0100	1	09/08/2015 15:18	WG812711
Zinc,Dissolved	U		0.00256	0.0250	0.0250	1	09/08/2015 15:18	WG812711

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 mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0100	1.00	1.00	1	09/05/2015 10:06	WG813608
Benzene	U		0.000331	0.00100	0.00100	1	09/05/2015 10:06	WG813608
Bromodichloromethane	U		0.000380	0.00125	0.00125	1	09/05/2015 10:06	WG813608
Bromoform	U		0.000469	0.00100	0.00100	1	09/05/2015 10:06	WG813608
Bromomethane	U		0.000866	0.00500	0.00500	1	09/05/2015 10:06	WG813608
n-Butylbenzene	U		0.000361	0.00100	0.00100	1	09/05/2015 10:06	WG813608
sec-Butylbenzene	U		0.000365	0.00100	0.00100	1	09/05/2015 10:06	WG813608
tert-Butylbenzene	U		0.000399	0.00100	0.00100	1	09/05/2015 10:06	WG813608
Carbon disulfide	U		0.000275	0.00100	0.00100	1	09/05/2015 10:06	WG813608
Carbon tetrachloride	U		0.000379	0.00100	0.00100	1	09/05/2015 10:06	WG813608
Chlorobenzene	U		0.000348	0.00100	0.00100	1	09/05/2015 10:06	WG813608
Chlorodibromomethane	U		0.000327	0.00100	0.00100	1	09/05/2015 10:06	WG813608
Chloroethane	U		0.000453	0.00500	0.00500	1	09/05/2015 10:06	WG813608
Chloroform	U		0.000324	0.00500	0.00500	1	09/05/2015 10:06	WG813608
Chloromethane	U		0.000276	0.00250	0.00250	1	09/05/2015 10:06	WG813608
1,2-Dibromoethane	U		0.000381	0.00100	0.00100	1	09/05/2015 10:06	WG813608
1,1-Dichloroethane	U		0.000259	0.00100	0.00100	1	09/05/2015 10:06	WG813608
1,2-Dichloroethane	U		0.000361	0.00100	0.00100	1	09/05/2015 10:06	WG813608
1,1-Dichloroethene	U		0.000398	0.00100	0.00100	1	09/05/2015 10:06	WG813608
cis-1,2-Dichloroethene	U		0.000260	0.00100	0.00100	1	09/05/2015 10:06	WG813608
trans-1,2-Dichloroethene	U		0.000396	0.00100	0.00100	1	09/05/2015 10:06	WG813608
1,2-Dichloropropane	U		0.000306	0.00100	0.00100	1	09/05/2015 10:06	WG813608
cis-1,3-Dichloropropene	U		0.000418	0.00100	0.00100	1	09/05/2015 10:06	WG813608
trans-1,3-Dichloropropene	U		0.000419	0.00100	0.00100	1	09/05/2015 10:06	WG813608
Ethylbenzene	U		0.000384	0.00100	0.00100	1	09/05/2015 10:06	WG813608
Hexachloro-1,3-butadiene	U		0.000256	0.00100	0.00100	1	09/05/2015 10:06	WG813608
2-Hexanone	U		0.00382	0.0100	0.0100	1	09/05/2015 10:06	WG813608
Isopropylbenzene	U		0.000326	0.00100	0.00100	1	09/05/2015 10:06	WG813608
p-Isopropyltoluene	U		0.000350	0.00100	0.00100	1	09/05/2015 10:06	WG813608
2-Butanone (MEK)	U		0.00393	0.0100	0.0100	1	09/05/2015 10:06	WG813608
Methylene Chloride	U		0.00100	0.00500	0.00500	1	09/05/2015 10:06	WG813608
4-Methyl-2-pentanone (MIBK)	U		0.00214	0.0100	0.0100	1	09/05/2015 10:06	WG813608
Methyl tert-butyl ether	U		0.000367	0.00100	0.00100	1	09/05/2015 10:06	WG813608
Naphthalene	U		0.00100	0.00500	0.00500	1	09/05/2015 10:06	WG813608
n-Propylbenzene	U		0.000349	0.00100	0.00100	1	09/05/2015 10:06	WG813608
Styrene	U		0.000307	0.00100	0.00100	1	09/05/2015 10:06	WG813608
1,1,2,2-Tetrachloroethane	U		0.000130	0.00100	0.00100	1	09/05/2015 10:06	WG813608



Collected date/time: 08/27/15 18:22

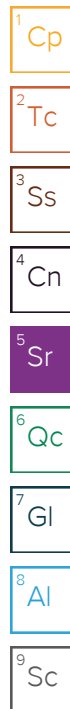
L786033

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

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Tetrachloroethene	U		0.000372	0.00100	0.00100	1	09/05/2015 10:06	WG813608
Toluene	U		0.000780	0.00500	0.00500	1	09/05/2015 10:06	WG813608
1,1,1-Trichloroethane	U		0.000319	0.00100	0.00100	1	09/05/2015 10:06	WG813608
1,1,2-Trichloroethane	U		0.000383	0.00100	0.00100	1	09/05/2015 10:06	WG813608
Trichloroethene	U		0.000398	0.00100	0.00100	1	09/05/2015 10:06	WG813608
1,2,4-Trimethylbenzene	U		0.000373	0.00100	0.00100	1	09/05/2015 10:06	WG813608
1,3,5-Trimethylbenzene	U		0.000387	0.00100	0.00100	1	09/05/2015 10:06	WG813608
Vinyl chloride	U		0.000259	0.00100	0.00100	1	09/05/2015 10:06	WG813608
Xylenes, Total	U		0.00106	0.00300	0.00300	1	09/05/2015 10:06	WG813608
(S) Toluene-d8	103				90.0-115		09/05/2015 10:06	WG813608
(S) Dibromofluoromethane	95.0				79.0-121		09/05/2015 10:06	WG813608
(S) 4-Bromofluorobenzene	98.1				80.1-120		09/05/2015 10:06	WG813608

Semi Volatile Organic Compounds (GC/MS) by Method 8270 C

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.000316	0.00100	0.00100	1	09/03/2015 10:02	WG812624
Acenaphthylene	U		0.000309	0.00100	0.00100	1	09/03/2015 10:02	WG812624
Acetophenone	U		0.00247	0.0100	0.0100	1	09/03/2015 10:02	WG812624
Anthracene	U		0.000291	0.00100	0.00100	1	09/03/2015 10:02	WG812624
Atrazine	U		0.000260	0.0100	0.0100	1	09/03/2015 10:02	WG812624
Benzo(a)anthracene	U		0.0000510	0.00100	0.00100	1	09/03/2015 10:02	WG812624
Benzaldehyde	U	J3	0.00140	0.0100	0.0100	1	09/03/2015 10:02	WG812624
Benzo(b)fluoranthene	U		0.0000896	0.00100	0.00100	1	09/03/2015 10:02	WG812624
Benzo(k)fluoranthene	U		0.000355	0.00100	0.00100	1	09/03/2015 10:02	WG812624
Benzo(g,h,i)perylene	U		0.00000227	0.00100	0.00100	1	09/03/2015 10:02	WG812624
Benzo(a)pyrene	U		0.0000381	0.000200	0.000200	1	09/03/2015 10:02	WG812624
Biphenyl	U		0.000325	0.0100	0.0100	1	09/03/2015 10:02	WG812624
Bis(2-chlorethoxy)methane	U		0.000329	0.0100	0.0100	1	09/03/2015 10:02	WG812624
Bis(2-chloroethyl)ether	U		0.00162	0.0100	0.0100	1	09/03/2015 10:02	WG812624
Bis(2-chloroisopropyl)ether	U		0.000445	0.0100	0.0100	1	09/03/2015 10:02	WG812624
4-Bromophenyl-phenylether	U		0.000335	0.0100	0.0100	1	09/03/2015 10:02	WG812624
2-Chloronaphthalene	U		0.000330	0.00100	0.00100	1	09/03/2015 10:02	WG812624
4-Chlorophenyl-phenylether	U		0.000303	0.0100	0.0100	1	09/03/2015 10:02	WG812624
Caprolactam	U		0.00259	0.0100	0.0100	1	09/03/2015 10:02	WG812624
Carbazole	U		0.000260	0.0100	0.0100	1	09/03/2015 10:02	WG812624
Chrysene	U		0.000332	0.00100	0.00100	1	09/03/2015 10:02	WG812624
Dibenz(a,h)anthracene	U		0.0000644	0.000200	0.000200	1	09/03/2015 10:02	WG812624
Dibenzofuran	U		0.000338	0.0100	0.0100	1	09/03/2015 10:02	WG812624
3,3-Dichlorobenzidine	U		0.00202	0.0100	0.0100	1	09/03/2015 10:02	WG812624
2,4-Dinitrotoluene	U		0.00165	0.0100	0.0100	1	09/03/2015 10:02	WG812624
2,6-Dinitrotoluene	U		0.000279	0.0100	0.0100	1	09/03/2015 10:02	WG812624
Fluoranthene	U		0.000310	0.00100	0.00100	1	09/03/2015 10:02	WG812624
Fluorene	U		0.000323	0.00100	0.00100	1	09/03/2015 10:02	WG812624
Hexachlorobenzene	U		0.000341	0.00100	0.00100	1	09/03/2015 10:02	WG812624
Hexachloro-1,3-butadiene	U		0.000329	0.0100	0.0100	1	09/03/2015 10:02	WG812624
Hexachlorocyclopentadiene	U		0.00233	0.0100	0.0100	1	09/03/2015 10:02	WG812624
Hexachloroethane	U		0.000365	0.0100	0.0100	1	09/03/2015 10:02	WG812624
Indeno(1,2,3-cd)pyrene	U		0.000279	0.00100	0.00100	1	09/03/2015 10:02	WG812624
Isophorone	U		0.000272	0.0100	0.0100	1	09/03/2015 10:02	WG812624
1-Methylnaphthalene	U		0.000332	0.00100	0.00100	1	09/03/2015 10:02	WG812624
2-Methylnaphthalene	U		0.000311	0.00100	0.00100	1	09/03/2015 10:02	WG812624
Naphthalene	U		0.000372	0.00100	0.00100	1	09/03/2015 10:02	WG812624
Nitrobenzene	U		0.000367	0.0100	0.0100	1	09/03/2015 10:02	WG812624
n-Nitrosodiphenylamine	U		0.000304	0.0100	0.0100	1	09/03/2015 10:02	WG812624
n-Nitrosodi-n-propylamine	U		0.000403	0.0100	0.0100	1	09/03/2015 10:02	WG812624





Collected date/time: 08/27/15 18:22

L786033

Semi Volatile Organic Compounds (GC/MS) by Method 8270 C

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Phenanthrene	U		0.000366	0.00100	0.00100	1	09/03/2015 10:02	WG812624
Benzylbutyl phthalate	U		0.000275	0.00300	0.00300	1	09/03/2015 10:02	WG812624
Bis(2-ethylhexyl)phthalate	0.00208	J	0.000709	0.00300	0.00300	1	09/03/2015 10:02	WG812624
Di-n-butyl phthalate	0.000508	J	0.000266	0.00300	0.00300	1	09/03/2015 10:02	WG812624
Diethyl phthalate	U		0.000282	0.00300	0.00300	1	09/03/2015 10:02	WG812624
Dimethyl phthalate	U		0.000283	0.00300	0.00300	1	09/03/2015 10:02	WG812624
Di-n-octyl phthalate	U		0.000278	0.00300	0.00300	1	09/03/2015 10:02	WG812624
Pyrene	U		0.000330	0.00100	0.00100	1	09/03/2015 10:02	WG812624
1,2,4-Trichlorobenzene	U		0.000355	0.0100	0.0100	1	09/03/2015 10:02	WG812624
4-Chloro-3-methylphenol	U		0.000263	0.0100	0.0100	1	09/03/2015 10:02	WG812624
2-Chlorophenol	U		0.000283	0.0100	0.0100	1	09/03/2015 10:02	WG812624
2,4-Dichlorophenol	U		0.000284	0.0100	0.0100	1	09/03/2015 10:02	WG812624
2,4-Dimethylphenol	U		0.000624	0.0100	0.0100	1	09/03/2015 10:02	WG812624
4,6-Dinitro-2-methylphenol	U		0.00262	0.0100	0.0100	1	09/03/2015 10:02	WG812624
2,4-Dinitrophenol	U	J3	0.00325	0.0100	0.0100	1	09/03/2015 10:02	WG812624
2-Nitrophenol	U		0.000320	0.0100	0.0100	1	09/03/2015 10:02	WG812624
2-Nitroaniline	U		0.00190	0.0100	0.0100	1	09/03/2015 10:02	WG812624
2-Methylphenol	U		0.000312	0.0100	0.0100	1	09/03/2015 10:02	WG812624
3&4-Methyl Phenol	U		0.000266	0.0100	0.0100	1	09/03/2015 10:02	WG812624
3-Nitroaniline	U		0.000308	0.0100	0.0100	1	09/03/2015 10:02	WG812624
4-Chloroaniline	U		0.000382	0.0100	0.0100	1	09/03/2015 10:02	WG812624
4-Nitroaniline	U	J4	0.000349	0.0100	0.0100	1	09/03/2015 10:02	WG812624
4-Nitrophenol	U		0.00201	0.0100	0.0100	1	09/03/2015 10:02	WG812624
Pentachlorophenol	U		0.000313	0.0100	0.0100	1	09/03/2015 10:02	WG812624
Phenol	0.000465	J	0.000334	0.0100	0.0100	1	09/03/2015 10:02	WG812624
2,4,5-Trichlorophenol	U		0.000236	0.0100	0.0100	1	09/03/2015 10:02	WG812624
2,4,6-Trichlorophenol	U		0.000297	0.0100	0.0100	1	09/03/2015 10:02	WG812624
(S) 2-Fluorophenol	63.1				10.0-77.9		09/03/2015 10:02	WG812624
(S) Phenol-d5	43.0				5.00-70.1		09/03/2015 10:02	WG812624
(S) Nitrobenzene-d5	89.2				21.8-123		09/03/2015 10:02	WG812624
(S) 2-Fluorobiphenyl	83.4				29.5-131		09/03/2015 10:02	WG812624
(S) 2,4,6-Tribromophenol	73.7				11.2-130		09/03/2015 10:02	WG812624
(S) p-Terphenyl-d14	85.3				29.3-137		09/03/2015 10:02	WG812624

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	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Dissolved Solids	1220		2.82	10.0	10.0	1	09/02/2015 15:36	WG812599

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Alkalinity	313		2.61	20.0	20.0	1	09/02/2015 14:06	WG812795

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Nitrate-Nitrite	6.77		0.0197	0.100	0.100	1	09/02/2015 15:28	WG812781

Wet Chemistry by Method 9040C

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	su			date / time	
pH	6.81	J	1	09/01/2015 15:55	WG812616

Sample Narrative:

9040C L786033-14 WG812616: 6.81 at 19.7c

Wet Chemistry by Method 9050A

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	umhos/cm			date / time	
Specific Conductance	1530		1	09/01/2015 11:53	WG812578

Wet Chemistry by Method 9056

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Chloride	247		0.260	1.00	5.00	5	09/05/2015 15:10	WG813560
Fluoride	0.573		0.0495	0.100	0.500	5	09/05/2015 15:10	WG813560
Sulfate	81.8		0.387	5.00	25.0	5	09/05/2015 15:10	WG813560

Mercury by Method 7470A

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Mercury	U		0.0000490	0.000200	0.000200	1	09/01/2015 14:44	WG812697

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Aluminum,Dissolved	U		0.0350	0.200	0.200	1	09/08/2015 12:20	WG812705
Calcium,Dissolved	208		0.0463	1.00	1.00	1	09/08/2015 12:20	WG812705
Iron,Dissolved	U		0.0141	0.100	0.100	1	09/08/2015 12:20	WG812705
Magnesium,Dissolved	31.1		0.0111	1.00	1.00	1	09/08/2015 12:20	WG812705
Potassium,Dissolved	3.25		0.102	1.00	1.00	1	09/08/2015 12:20	WG812705
Sodium,Dissolved	71.6		0.0985	1.00	1.00	1	09/08/2015 12:20	WG812705



Collected date/time: 08/27/15 19:26

L786033

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Arsenic,Dissolved	0.00246		0.000250	0.00200	0.00200	1	09/09/2015 09:54	WG812711
Barium,Dissolved	0.0884		0.000360	0.00500	0.00500	1	09/09/2015 09:54	WG812711
Boron,Dissolved	0.238		0.00150	0.0200	0.0200	1	09/09/2015 09:54	WG812711
Cadmium,Dissolved	U		0.000160	0.00100	0.00100	1	09/09/2015 09:54	WG812711
Chromium,Dissolved	0.130		0.000540	0.00200	0.00200	1	09/09/2015 09:54	WG812711
Copper,Dissolved	0.000784	U	0.000520	0.00500	0.00500	1	09/09/2015 09:54	WG812711
Cobalt,Dissolved	U		0.000260	0.00200	0.00200	1	09/09/2015 09:54	WG812711
Lead,Dissolved	U		0.000240	0.00200	0.00200	1	09/09/2015 09:54	WG812711
Manganese,Dissolved	0.00153	U	0.000250	0.00500	0.00500	1	09/09/2015 09:54	WG812711
Molybdenum,Dissolved	0.00111	U	0.000140	0.00500	0.00500	1	09/09/2015 09:54	WG812711
Nickel,Dissolved	0.000629	U	0.000350	0.00200	0.00200	1	09/09/2015 09:54	WG812711
Selenium,Dissolved	0.00169	U	0.000380	0.00200	0.00200	1	09/09/2015 09:54	WG812711
Silver,Dissolved	U		0.000310	0.00200	0.00200	1	09/09/2015 09:54	WG812711
Uranium,Dissolved	0.00641	U	0.000330	0.0100	0.0100	1	09/09/2015 09:54	WG812711
Zinc,Dissolved	0.00333	U	0.00256	0.0250	0.0250	1	09/09/2015 09:54	WG812711

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 mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0100	1.00	1.00	1	09/05/2015 10:26	WG813608
Benzene	U		0.000331	0.00100	0.00100	1	09/05/2015 10:26	WG813608
Bromodichloromethane	U		0.000380	0.00125	0.00125	1	09/05/2015 10:26	WG813608
Bromoform	U		0.000469	0.00100	0.00100	1	09/05/2015 10:26	WG813608
Bromomethane	U		0.000866	0.00500	0.00500	1	09/05/2015 10:26	WG813608
n-Butylbenzene	U		0.000361	0.00100	0.00100	1	09/05/2015 10:26	WG813608
sec-Butylbenzene	U		0.000365	0.00100	0.00100	1	09/05/2015 10:26	WG813608
tert-Butylbenzene	U		0.000399	0.00100	0.00100	1	09/05/2015 10:26	WG813608
Carbon disulfide	U		0.000275	0.00100	0.00100	1	09/05/2015 10:26	WG813608
Carbon tetrachloride	U		0.000379	0.00100	0.00100	1	09/05/2015 10:26	WG813608
Chlorobenzene	U		0.000348	0.00100	0.00100	1	09/05/2015 10:26	WG813608
Chlorodibromomethane	U		0.000327	0.00100	0.00100	1	09/05/2015 10:26	WG813608
Chloroethane	U		0.000453	0.00500	0.00500	1	09/05/2015 10:26	WG813608
Chloroform	0.000329	U	0.000324	0.00500	0.00500	1	09/05/2015 10:26	WG813608
Chloromethane	U		0.000276	0.00250	0.00250	1	09/05/2015 10:26	WG813608
1,2-Dibromoethane	U		0.000381	0.00100	0.00100	1	09/05/2015 10:26	WG813608
1,1-Dichloroethane	U		0.000259	0.00100	0.00100	1	09/05/2015 10:26	WG813608
1,2-Dichloroethane	U		0.000361	0.00100	0.00100	1	09/05/2015 10:26	WG813608
1,1-Dichloroethene	U		0.000398	0.00100	0.00100	1	09/05/2015 10:26	WG813608
cis-1,2-Dichloroethene	U		0.000260	0.00100	0.00100	1	09/05/2015 10:26	WG813608
trans-1,2-Dichloroethene	U		0.000396	0.00100	0.00100	1	09/05/2015 10:26	WG813608
1,2-Dichloropropane	U		0.000306	0.00100	0.00100	1	09/05/2015 10:26	WG813608
cis-1,3-Dichloropropene	U		0.000418	0.00100	0.00100	1	09/05/2015 10:26	WG813608
trans-1,3-Dichloropropene	U		0.000419	0.00100	0.00100	1	09/05/2015 10:26	WG813608
Ethylbenzene	U		0.000384	0.00100	0.00100	1	09/05/2015 10:26	WG813608
Hexachloro-1,3-butadiene	U		0.000256	0.00100	0.00100	1	09/05/2015 10:26	WG813608
2-Hexanone	U		0.00382	0.0100	0.0100	1	09/05/2015 10:26	WG813608
Isopropylbenzene	U		0.000326	0.00100	0.00100	1	09/05/2015 10:26	WG813608
p-Isopropyltoluene	U		0.000350	0.00100	0.00100	1	09/05/2015 10:26	WG813608
2-Butanone (MEK)	U		0.00393	0.0100	0.0100	1	09/05/2015 10:26	WG813608
Methylene Chloride	U		0.00100	0.00500	0.00500	1	09/05/2015 10:26	WG813608
4-Methyl-2-pentanone (MIBK)	U		0.00214	0.0100	0.0100	1	09/05/2015 10:26	WG813608
Methyl tert-butyl ether	U		0.000367	0.00100	0.00100	1	09/05/2015 10:26	WG813608
Naphthalene	U		0.00100	0.00500	0.00500	1	09/05/2015 10:26	WG813608
n-Propylbenzene	U		0.000349	0.00100	0.00100	1	09/05/2015 10:26	WG813608
Styrene	U		0.000307	0.00100	0.00100	1	09/05/2015 10:26	WG813608
1,1,2,2-Tetrachloroethane	U		0.000130	0.00100	0.00100	1	09/05/2015 10:26	WG813608

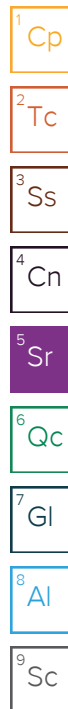


Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Tetrachloroethene	U		0.000372	0.00100	0.00100	1	09/05/2015 10:26	WG813608
Toluene	U		0.000780	0.00500	0.00500	1	09/05/2015 10:26	WG813608
1,1,1-Trichloroethane	U		0.000319	0.00100	0.00100	1	09/05/2015 10:26	WG813608
1,1,2-Trichloroethane	U		0.000383	0.00100	0.00100	1	09/05/2015 10:26	WG813608
Trichloroethene	U		0.000398	0.00100	0.00100	1	09/05/2015 10:26	WG813608
1,2,4-Trimethylbenzene	U		0.000373	0.00100	0.00100	1	09/05/2015 10:26	WG813608
1,3,5-Trimethylbenzene	U		0.000387	0.00100	0.00100	1	09/05/2015 10:26	WG813608
Vinyl chloride	U		0.000259	0.00100	0.00100	1	09/05/2015 10:26	WG813608
Xylenes, Total	U		0.00106	0.00300	0.00300	1	09/05/2015 10:26	WG813608
(S) Toluene-d8	102				90.0-115		09/05/2015 10:26	WG813608
(S) Dibromofluoromethane	94.1				79.0-121		09/05/2015 10:26	WG813608
(S) 4-Bromofluorobenzene	98.7				80.1-120		09/05/2015 10:26	WG813608

Semi Volatile Organic Compounds (GC/MS) by Method 8270 C

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.000316	0.00100	0.00100	1	09/03/2015 10:26	WG812624
Acenaphthylene	U		0.000309	0.00100	0.00100	1	09/03/2015 10:26	WG812624
Acetophenone	U		0.00247	0.0100	0.0100	1	09/03/2015 10:26	WG812624
Anthracene	U		0.000291	0.00100	0.00100	1	09/03/2015 10:26	WG812624
Atrazine	U		0.000260	0.0100	0.0100	1	09/03/2015 10:26	WG812624
Benzo(a)anthracene	U		0.0000510	0.00100	0.00100	1	09/03/2015 10:26	WG812624
Benzaldehyde	U	J3	0.00140	0.0100	0.0100	1	09/03/2015 10:26	WG812624
Benzo(b)fluoranthene	U		0.0000896	0.00100	0.00100	1	09/03/2015 10:26	WG812624
Benzo(k)fluoranthene	U		0.000355	0.00100	0.00100	1	09/03/2015 10:26	WG812624
Benzo(g,h,i)perylene	U		0.00000227	0.00100	0.00100	1	09/03/2015 10:26	WG812624
Benzo(a)pyrene	U		0.0000381	0.000200	0.000200	1	09/03/2015 10:26	WG812624
Biphenyl	U		0.000325	0.0100	0.0100	1	09/03/2015 10:26	WG812624
Bis(2-chlorethoxy)methane	U		0.000329	0.0100	0.0100	1	09/03/2015 10:26	WG812624
Bis(2-chloroethyl)ether	U		0.00162	0.0100	0.0100	1	09/03/2015 10:26	WG812624
Bis(2-chloroisopropyl)ether	U		0.000445	0.0100	0.0100	1	09/03/2015 10:26	WG812624
4-Bromophenyl-phenylether	U		0.000335	0.0100	0.0100	1	09/03/2015 10:26	WG812624
2-Chloronaphthalene	U		0.000330	0.00100	0.00100	1	09/03/2015 10:26	WG812624
4-Chlorophenyl-phenylether	U		0.000303	0.0100	0.0100	1	09/03/2015 10:26	WG812624
Caprolactam	U		0.00259	0.0100	0.0100	1	09/03/2015 10:26	WG812624
Carbazole	U		0.000260	0.0100	0.0100	1	09/03/2015 10:26	WG812624
Chrysene	U		0.000332	0.00100	0.00100	1	09/03/2015 10:26	WG812624
Dibenz(a,h)anthracene	U		0.0000644	0.000200	0.000200	1	09/03/2015 10:26	WG812624
Dibenzofuran	U		0.000338	0.0100	0.0100	1	09/03/2015 10:26	WG812624
3,3-Dichlorobenzidine	U		0.00202	0.0100	0.0100	1	09/03/2015 10:26	WG812624
2,4-Dinitrotoluene	U		0.00165	0.0100	0.0100	1	09/03/2015 10:26	WG812624
2,6-Dinitrotoluene	U		0.000279	0.0100	0.0100	1	09/03/2015 10:26	WG812624
Fluoranthene	U		0.000310	0.00100	0.00100	1	09/03/2015 10:26	WG812624
Fluorene	U		0.000323	0.00100	0.00100	1	09/03/2015 10:26	WG812624
Hexachlorobenzene	U		0.000341	0.00100	0.00100	1	09/03/2015 10:26	WG812624
Hexachloro-1,3-butadiene	U		0.000329	0.0100	0.0100	1	09/03/2015 10:26	WG812624
Hexachlorocyclopentadiene	U		0.00233	0.0100	0.0100	1	09/03/2015 10:26	WG812624
Hexachloroethane	U		0.000365	0.0100	0.0100	1	09/03/2015 10:26	WG812624
Indeno(1,2,3-cd)pyrene	U		0.000279	0.00100	0.00100	1	09/03/2015 10:26	WG812624
Isophorone	U		0.000272	0.0100	0.0100	1	09/03/2015 10:26	WG812624
1-Methylnaphthalene	U		0.000332	0.00100	0.00100	1	09/03/2015 10:26	WG812624
2-Methylnaphthalene	U		0.000311	0.00100	0.00100	1	09/03/2015 10:26	WG812624
Naphthalene	U		0.000372	0.00100	0.00100	1	09/03/2015 10:26	WG812624
Nitrobenzene	U		0.000367	0.0100	0.0100	1	09/03/2015 10:26	WG812624
n-Nitrosodiphenylamine	U		0.000304	0.0100	0.0100	1	09/03/2015 10:26	WG812624
n-Nitrosodi-n-propylamine	U		0.000403	0.0100	0.0100	1	09/03/2015 10:26	WG812624





Collected date/time: 08/27/15 19:26

L786033

Semi Volatile Organic Compounds (GC/MS) by Method 8270 C

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Phenanthrene	U		0.000366	0.00100	0.00100	1	09/03/2015 10:26	WG812624
Benzylbutyl phthalate	U		0.000275	0.00300	0.00300	1	09/03/2015 10:26	WG812624
Bis(2-ethylhexyl)phthalate	0.000817	J	0.000709	0.00300	0.00300	1	09/03/2015 10:26	WG812624
Di-n-butyl phthalate	0.000446	J	0.000266	0.00300	0.00300	1	09/03/2015 10:26	WG812624
Diethyl phthalate	U		0.000282	0.00300	0.00300	1	09/03/2015 10:26	WG812624
Dimethyl phthalate	U		0.000283	0.00300	0.00300	1	09/03/2015 10:26	WG812624
Di-n-octyl phthalate	U		0.000278	0.00300	0.00300	1	09/03/2015 10:26	WG812624
Pyrene	U		0.000330	0.00100	0.00100	1	09/03/2015 10:26	WG812624
1,2,4-Trichlorobenzene	U		0.000355	0.0100	0.0100	1	09/03/2015 10:26	WG812624
4-Chloro-3-methylphenol	U		0.000263	0.0100	0.0100	1	09/03/2015 10:26	WG812624
2-Chlorophenol	U		0.000283	0.0100	0.0100	1	09/03/2015 10:26	WG812624
2,4-Dichlorophenol	U		0.000284	0.0100	0.0100	1	09/03/2015 10:26	WG812624
2,4-Dimethylphenol	U		0.000624	0.0100	0.0100	1	09/03/2015 10:26	WG812624
4,6-Dinitro-2-methylphenol	U		0.00262	0.0100	0.0100	1	09/03/2015 10:26	WG812624
2,4-Dinitrophenol	U	J3	0.00325	0.0100	0.0100	1	09/03/2015 10:26	WG812624
2-Nitrophenol	U		0.000320	0.0100	0.0100	1	09/03/2015 10:26	WG812624
2-Nitroaniline	U		0.00190	0.0100	0.0100	1	09/03/2015 10:26	WG812624
2-Methylphenol	U		0.000312	0.0100	0.0100	1	09/03/2015 10:26	WG812624
3&4-Methyl Phenol	U		0.000266	0.0100	0.0100	1	09/03/2015 10:26	WG812624
3-Nitroaniline	U		0.000308	0.0100	0.0100	1	09/03/2015 10:26	WG812624
4-Chloroaniline	U		0.000382	0.0100	0.0100	1	09/03/2015 10:26	WG812624
4-Nitroaniline	U	J4	0.000349	0.0100	0.0100	1	09/03/2015 10:26	WG812624
4-Nitrophenol	U		0.00201	0.0100	0.0100	1	09/03/2015 10:26	WG812624
Pentachlorophenol	U		0.000313	0.0100	0.0100	1	09/03/2015 10:26	WG812624
Phenol	U		0.000334	0.0100	0.0100	1	09/03/2015 10:26	WG812624
2,4,5-Trichlorophenol	U		0.000236	0.0100	0.0100	1	09/03/2015 10:26	WG812624
2,4,6-Trichlorophenol	U		0.000297	0.0100	0.0100	1	09/03/2015 10:26	WG812624
(S) 2-Fluorophenol	54.9				10.0-77.9		09/03/2015 10:26	WG812624
(S) Phenol-d5	40.7				5.00-70.1		09/03/2015 10:26	WG812624
(S) Nitrobenzene-d5	86.3				21.8-123		09/03/2015 10:26	WG812624
(S) 2-Fluorobiphenyl	88.4				29.5-131		09/03/2015 10:26	WG812624
(S) 2,4,6-Tribromophenol	70.4				11.2-130		09/03/2015 10:26	WG812624
(S) p-Terphenyl-d14	76.0				29.3-137		09/03/2015 10:26	WG812624

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	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Dissolved Solids	1440		2.82	10.0	10.0	1	09/02/2015 15:36	WG812599

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Alkalinity	183		2.61	20.0	20.0	1	09/03/2015 08:38	WG812796

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Nitrate-Nitrite	3.48		0.0197	0.100	0.100	1	09/02/2015 15:29	WG812781

Wet Chemistry by Method 9040C

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	su			date / time	
pH	7.18	J	1	09/01/2015 15:55	WG812616

Sample Narrative:

9040C L786033-15 WG812616: 7.18 at 19.7c

Wet Chemistry by Method 9050A

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	umhos/cm			date / time	
Specific Conductance	1770		1	09/01/2015 11:53	WG812578

Wet Chemistry by Method 9056

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Chloride	426	J5	0.260	1.00	5.00	5	09/05/2015 15:26	WG813560
Fluoride	0.810	J5	0.0495	0.100	0.500	5	09/05/2015 15:26	WG813560
Sulfate	107	J5	0.387	5.00	25.0	5	09/05/2015 15:26	WG813560

Mercury by Method 7470A

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Mercury	U		0.0000490	0.000200	0.000200	1	09/01/2015 13:58	WG812697
Mercury,Dissolved	U		0.0000490	0.000200	0.000200	1	09/01/2015 15:48	WG812696

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Aluminum,Dissolved	U		0.0350	0.200	0.200	1	09/08/2015 11:17	WG812705
Barium,Dissolved	0.137		0.00170	0.00500	0.00500	1	09/08/2015 11:17	WG812705
Cadmium,Dissolved	U		0.000700	0.00200	0.00200	1	09/08/2015 11:17	WG812705
Calcium,Dissolved	184	V	0.0463	1.00	1.00	1	09/08/2015 11:17	WG812705
Chromium,Dissolved	0.00156	J	0.00140	0.0100	0.0100	1	09/08/2015 11:17	WG812705
Cobalt,Dissolved	U		0.00230	0.0100	0.0100	1	09/08/2015 11:17	WG812705
Copper,Dissolved	U		0.00530	0.0100	0.0100	1	09/08/2015 11:17	WG812705
Iron,Dissolved	0.0168	J	0.0141	0.100	0.100	1	09/08/2015 11:17	WG812705
Magnesium,Dissolved	25.2		0.0111	1.00	1.00	1	09/08/2015 11:17	WG812705
Manganese,Dissolved	0.00776	J	0.00120	0.0100	0.0100	1	09/08/2015 11:17	WG812705
Nickel,Dissolved	U		0.00490	0.0100	0.0100	1	09/08/2015 11:17	WG812705



Metals (ICP) by Method 6010B

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Potassium,Dissolved	3.45		0.102	1.00	1.00	1	09/08/2015 11:17	WG812705
Silver,Dissolved	U		0.00280	0.00500	0.00500	1	09/08/2015 11:17	WG812705
Sodium,Dissolved	130	V	0.0985	1.00	1.00	1	09/08/2015 11:17	WG812705
Vanadium,Dissolved	0.0245		0.00240	0.0200	0.0200	1	09/08/2015 11:17	WG812705
Zinc,Dissolved	0.00662	J	0.00590	0.0500	0.0500	1	09/08/2015 11:17	WG812705

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Arsenic,Dissolved	0.00436		0.000250	0.00200	0.00200	1	09/08/2015 14:35	WG812711
Boron,Dissolved	0.194		0.00150	0.0200	0.0200	1	09/08/2015 17:12	WG812711
Lead,Dissolved	0.000477	J	0.000240	0.00200	0.00200	1	09/08/2015 14:35	WG812711
Molybdenum,Dissolved	0.00204	J	0.000140	0.00500	0.00500	1	09/08/2015 14:35	WG812711
Selenium,Dissolved	0.00360		0.000380	0.00200	0.00200	1	09/08/2015 14:35	WG812711
Uranium,Dissolved	0.00214	J	0.000330	0.0100	0.0100	1	09/08/2015 14:35	WG812711

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

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Acetone	U	J3	0.0100	1.00	1.00	1	09/05/2015 12:25	WG813608
Benzene	0.00113		0.000331	0.00100	0.00100	1	09/05/2015 12:25	WG813608
Bromodichloromethane	U		0.000380	0.00125	0.00125	1	09/05/2015 12:25	WG813608
Bromoform	U		0.000469	0.00100	0.00100	1	09/05/2015 12:25	WG813608
Bromomethane	U		0.000866	0.00500	0.00500	1	09/05/2015 12:25	WG813608
n-Butylbenzene	U		0.000361	0.00100	0.00100	1	09/05/2015 12:25	WG813608
sec-Butylbenzene	U		0.000365	0.00100	0.00100	1	09/05/2015 12:25	WG813608
tert-Butylbenzene	U		0.000399	0.00100	0.00100	1	09/05/2015 12:25	WG813608
Carbon disulfide	U		0.000275	0.00100	0.00100	1	09/05/2015 12:25	WG813608
Carbon tetrachloride	U		0.000379	0.00100	0.00100	1	09/05/2015 12:25	WG813608
Chlorobenzene	U		0.000348	0.00100	0.00100	1	09/05/2015 12:25	WG813608
Chlorodibromomethane	U		0.000327	0.00100	0.00100	1	09/05/2015 12:25	WG813608
Chloroethane	U		0.000453	0.00500	0.00500	1	09/05/2015 12:25	WG813608
Chloroform	0.000518	J	0.000324	0.00500	0.00500	1	09/05/2015 12:25	WG813608
Chloromethane	U		0.000276	0.00250	0.00250	1	09/05/2015 12:25	WG813608
1,2-Dibromoethane	U		0.000381	0.00100	0.00100	1	09/05/2015 12:25	WG813608
1,1-Dichloroethane	U		0.000259	0.00100	0.00100	1	09/05/2015 12:25	WG813608
1,2-Dichloroethane	U		0.000361	0.00100	0.00100	1	09/05/2015 12:25	WG813608
1,1-Dichloroethene	U		0.000398	0.00100	0.00100	1	09/05/2015 12:25	WG813608
cis-1,2-Dichloroethene	U		0.000260	0.00100	0.00100	1	09/05/2015 12:25	WG813608
trans-1,2-Dichloroethene	U		0.000396	0.00100	0.00100	1	09/05/2015 12:25	WG813608
1,2-Dichloropropane	U		0.000306	0.00100	0.00100	1	09/05/2015 12:25	WG813608
cis-1,3-Dichloropropene	U		0.000418	0.00100	0.00100	1	09/05/2015 12:25	WG813608
trans-1,3-Dichloropropene	U		0.000419	0.00100	0.00100	1	09/05/2015 12:25	WG813608
Ethylbenzene	U		0.000384	0.00100	0.00100	1	09/05/2015 12:25	WG813608
Hexachloro-1,3-butadiene	U		0.000256	0.00100	0.00100	1	09/05/2015 12:25	WG813608
2-Hexanone	U		0.00382	0.0100	0.0100	1	09/05/2015 12:25	WG813608
Isopropylbenzene	U		0.000326	0.00100	0.00100	1	09/05/2015 12:25	WG813608
p-Isopropyltoluene	U		0.000350	0.00100	0.00100	1	09/05/2015 12:25	WG813608
2-Butanone (MEK)	U		0.00393	0.0100	0.0100	1	09/05/2015 12:25	WG813608
Methylene Chloride	U		0.00100	0.00500	0.00500	1	09/05/2015 12:25	WG813608
4-Methyl-2-pentanone (MIBK)	U		0.00214	0.0100	0.0100	1	09/05/2015 12:25	WG813608
Methyl tert-butyl ether	U		0.000367	0.00100	0.00100	1	09/05/2015 12:25	WG813608
Naphthalene	U		0.00100	0.00500	0.00500	1	09/05/2015 12:25	WG813608
n-Propylbenzene	U		0.000349	0.00100	0.00100	1	09/05/2015 12:25	WG813608
Styrene	U		0.000307	0.00100	0.00100	1	09/05/2015 12:25	WG813608

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

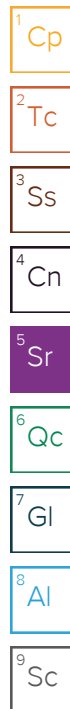


Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
1,1,2,2-Tetrachloroethane	U		0.000130	0.00100	0.00100	1	09/05/2015 12:25	WG813608
Tetrachloroethene	U		0.000372	0.00100	0.00100	1	09/05/2015 12:25	WG813608
Toluene	U		0.000780	0.00500	0.00500	1	09/05/2015 12:25	WG813608
1,1,1-Trichloroethane	U		0.000319	0.00100	0.00100	1	09/05/2015 12:25	WG813608
1,1,2-Trichloroethane	U		0.000383	0.00100	0.00100	1	09/05/2015 12:25	WG813608
Trichloroethene	U		0.000398	0.00100	0.00100	1	09/05/2015 12:25	WG813608
1,2,4-Trimethylbenzene	U		0.000373	0.00100	0.00100	1	09/05/2015 12:25	WG813608
1,3,5-Trimethylbenzene	U		0.000387	0.00100	0.00100	1	09/05/2015 12:25	WG813608
Vinyl chloride	U		0.000259	0.00100	0.00100	1	09/05/2015 12:25	WG813608
Xylenes, Total	U		0.00106	0.00300	0.00300	1	09/05/2015 12:25	WG813608
(S) Toluene-d8	102				90.0-115		09/05/2015 12:25	WG813608
(S) Dibromofluoromethane	95.9				79.0-121		09/05/2015 12:25	WG813608
(S) 4-Bromofluorobenzene	96.6				80.1-120		09/05/2015 12:25	WG813608

Semi Volatile Organic Compounds (GC/MS) by Method 8270 C

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.000316	0.00100	0.00100	1	09/03/2015 12:47	WG812624
Acenaphthylene	U		0.000309	0.00100	0.00100	1	09/03/2015 12:47	WG812624
Acetophenone	U		0.00247	0.0100	0.0100	1	09/03/2015 12:47	WG812624
Anthracene	U		0.000291	0.00100	0.00100	1	09/03/2015 12:47	WG812624
Atrazine	U		0.000260	0.0100	0.0100	1	09/03/2015 12:47	WG812624
Benzo(a)anthracene	U		0.0000510	0.00100	0.00100	1	09/03/2015 12:47	WG812624
Benzaldehyde	U		0.00140	0.0100	0.0100	1	09/03/2015 12:47	WG812624
Benzo(b)fluoranthene	U		0.0000896	0.00100	0.00100	1	09/03/2015 12:47	WG812624
Benzo(k)fluoranthene	U		0.000355	0.00100	0.00100	1	09/03/2015 12:47	WG812624
Benzo(g,h,i)perylene	U		0.00000227	0.00100	0.00100	1	09/03/2015 12:47	WG812624
Benzo(a)pyrene	U		0.0000381	0.000200	0.000200	1	09/03/2015 12:47	WG812624
Biphenyl	U		0.000325	0.0100	0.0100	1	09/03/2015 12:47	WG812624
Bis(2-chlorethoxy)methane	U		0.000329	0.0100	0.0100	1	09/03/2015 12:47	WG812624
Bis(2-chloroethyl)ether	U		0.00162	0.0100	0.0100	1	09/03/2015 12:47	WG812624
Bis(2-chloroisopropyl)ether	U		0.000445	0.0100	0.0100	1	09/03/2015 12:47	WG812624
4-Bromophenyl-phenylether	U		0.000335	0.0100	0.0100	1	09/03/2015 12:47	WG812624
2-Chloronaphthalene	U		0.000330	0.00100	0.00100	1	09/03/2015 12:47	WG812624
4-Chlorophenyl-phenylether	U		0.000303	0.0100	0.0100	1	09/03/2015 12:47	WG812624
Caprolactam	U		0.00259	0.0100	0.0100	1	09/03/2015 12:47	WG812624
Carbazole	U		0.000260	0.0100	0.0100	1	09/03/2015 12:47	WG812624
Chrysene	U		0.000332	0.00100	0.00100	1	09/03/2015 12:47	WG812624
Dibenz(a,h)anthracene	U		0.0000644	0.000200	0.000200	1	09/03/2015 12:47	WG812624
Dibenzofuran	U		0.000338	0.0100	0.0100	1	09/03/2015 12:47	WG812624
3,3-Dichlorobenzidine	U		0.00202	0.0100	0.0100	1	09/03/2015 12:47	WG812624
2,4-Dinitrotoluene	U		0.00165	0.0100	0.0100	1	09/03/2015 12:47	WG812624
2,6-Dinitrotoluene	U		0.000279	0.0100	0.0100	1	09/03/2015 12:47	WG812624
Fluoranthene	U		0.000310	0.00100	0.00100	1	09/03/2015 12:47	WG812624
Fluorene	U		0.000323	0.00100	0.00100	1	09/03/2015 12:47	WG812624
Hexachlorobenzene	U		0.000341	0.00100	0.00100	1	09/03/2015 12:47	WG812624
Hexachloro-1,3-butadiene	U		0.000329	0.0100	0.0100	1	09/03/2015 12:47	WG812624
Hexachlorocyclopentadiene	U		0.00233	0.0100	0.0100	1	09/03/2015 12:47	WG812624
Hexachloroethane	U		0.000365	0.0100	0.0100	1	09/03/2015 12:47	WG812624
Indeno(1,2,3-cd)pyrene	U		0.000279	0.00100	0.00100	1	09/03/2015 12:47	WG812624
Isophorone	U		0.000272	0.0100	0.0100	1	09/03/2015 12:47	WG812624
1-Methylnaphthalene	U		0.000332	0.00100	0.00100	1	09/03/2015 12:47	WG812624
2-Methylnaphthalene	U		0.000311	0.00100	0.00100	1	09/03/2015 12:47	WG812624
Naphthalene	U		0.000372	0.00100	0.00100	1	09/03/2015 12:47	WG812624
Nitrobenzene	U		0.000367	0.0100	0.0100	1	09/03/2015 12:47	WG812624
n-Nitrosodiphenylamine	U		0.000304	0.0100	0.0100	1	09/03/2015 12:47	WG812624





Semi Volatile Organic Compounds (GC/MS) by Method 8270 C

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
n-Nitrosodi-n-propylamine	U		0.000403	0.0100	0.0100	1	09/03/2015 12:47	WG812624
Phenanthrene	U		0.000366	0.00100	0.00100	1	09/03/2015 12:47	WG812624
Benzylbutyl phthalate	U		0.000275	0.00300	0.00300	1	09/03/2015 12:47	WG812624
Bis(2-ethylhexyl)phthalate	U		0.000709	0.00300	0.00300	1	09/03/2015 12:47	WG812624
Di-n-butyl phthalate	U		0.000266	0.00300	0.00300	1	09/03/2015 12:47	WG812624
Diethyl phthalate	U		0.000282	0.00300	0.00300	1	09/03/2015 12:47	WG812624
Dimethyl phthalate	U		0.000283	0.00300	0.00300	1	09/03/2015 12:47	WG812624
Di-n-octyl phthalate	U		0.000278	0.00300	0.00300	1	09/03/2015 12:47	WG812624
Pyrene	U		0.000330	0.00100	0.00100	1	09/03/2015 12:47	WG812624
1,2,4-Trichlorobenzene	U		0.000355	0.0100	0.0100	1	09/03/2015 12:47	WG812624
4-Chloro-3-methylphenol	U		0.000263	0.0100	0.0100	1	09/03/2015 12:47	WG812624
2-Chlorophenol	U		0.000283	0.0100	0.0100	1	09/03/2015 12:47	WG812624
2,4-Dichlorophenol	U		0.000284	0.0100	0.0100	1	09/03/2015 12:47	WG812624
2,4-Dimethylphenol	U		0.000624	0.0100	0.0100	1	09/03/2015 12:47	WG812624
4,6-Dinitro-2-methylphenol	U	J3	0.00262	0.0100	0.0100	1	09/03/2015 12:47	WG812624
2,4-Dinitrophenol	U	J3	0.00325	0.0100	0.0100	1	09/03/2015 12:47	WG812624
2-Nitrophenol	U		0.000320	0.0100	0.0100	1	09/03/2015 12:47	WG812624
2-Nitroaniline	U		0.00190	0.0100	0.0100	1	09/03/2015 12:47	WG812624
2-Methylphenol	U		0.000312	0.0100	0.0100	1	09/03/2015 12:47	WG812624
3&4-Methyl Phenol	U		0.000266	0.0100	0.0100	1	09/03/2015 12:47	WG812624
3-Nitroaniline	U		0.000308	0.0100	0.0100	1	09/03/2015 12:47	WG812624
4-Chloroaniline	U		0.000382	0.0100	0.0100	1	09/03/2015 12:47	WG812624
4-Nitroaniline	U	J4 J5	0.000349	0.0100	0.0100	1	09/03/2015 12:47	WG812624
4-Nitrophenol	U		0.00201	0.0100	0.0100	1	09/03/2015 12:47	WG812624
Pentachlorophenol	U		0.000313	0.0100	0.0100	1	09/03/2015 12:47	WG812624
Phenol	U		0.000334	0.0100	0.0100	1	09/03/2015 12:47	WG812624
2,4,5-Trichlorophenol	U		0.000236	0.0100	0.0100	1	09/03/2015 12:47	WG812624
2,4,6-Trichlorophenol	U		0.000297	0.0100	0.0100	1	09/03/2015 12:47	WG812624
(S) 2-Fluorophenol	60.1				10.0-77.9		09/03/2015 12:47	WG812624
(S) Phenol-d5	45.1				5.00-70.1		09/03/2015 12:47	WG812624
(S) Nitrobenzene-d5	92.0				21.8-123		09/03/2015 12:47	WG812624
(S) 2-Fluorobiphenyl	95.6				29.5-131		09/03/2015 12:47	WG812624
(S) 2,4,6-Tribromophenol	60.5				11.2-130		09/03/2015 12:47	WG812624
(S) p-Terphenyl-d14	83.9				29.3-137		09/03/2015 12:47	WG812624

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	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Dissolved Solids	1320		2.82	10.0	10.0	1	09/02/2015 15:34	WG812599

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Alkalinity	187		2.61	20.0	20.0	1	09/02/2015 14:06	WG812795

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Nitrate-Nitrite	3.50		0.0197	0.100	0.100	1	09/02/2015 15:32	WG812781

Wet Chemistry by Method 9040C

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	su			date / time	
pH	7.19	J	1	09/01/2015 15:55	WG812616

Sample Narrative:

9040C L786033-16 WG812616: 7.19 at 19.8c

Wet Chemistry by Method 9050A

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	umhos/cm			date / time	
Specific Conductance	1770		1	09/01/2015 11:53	WG812578

Wet Chemistry by Method 9056

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Chloride	382		0.260	1.00	5.00	5	09/05/2015 16:16	WG813560
Fluoride	0.734		0.0495	0.100	0.500	5	09/05/2015 16:16	WG813560
Sulfate	95.9		0.387	5.00	25.0	5	09/05/2015 16:16	WG813560

Mercury by Method 7470A

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Mercury	0.0000599	J	0.0000490	0.000200	0.000200	1	09/01/2015 14:47	WG812697

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Aluminum,Dissolved	U		0.0350	0.200	0.200	1	09/08/2015 12:23	WG812705
Calcium,Dissolved	182		0.0463	1.00	1.00	1	09/08/2015 12:23	WG812705
Iron,Dissolved	U		0.0141	0.100	0.100	1	09/08/2015 12:23	WG812705
Magnesium,Dissolved	25.8		0.0111	1.00	1.00	1	09/08/2015 12:23	WG812705
Potassium,Dissolved	3.52		0.102	1.00	1.00	1	09/08/2015 12:23	WG812705
Sodium,Dissolved	130		0.0985	1.00	1.00	1	09/08/2015 12:23	WG812705



Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Arsenic,Dissolved	0.00430		0.000250	0.00200	0.00200	1	09/08/2015 15:25	WG812711
Barium,Dissolved	0.133		0.000360	0.00500	0.00500	1	09/08/2015 15:25	WG812711
Boron,Dissolved	0.197		0.00150	0.0200	0.0200	1	09/08/2015 18:33	WG812711
Cadmium,Dissolved	U		0.000160	0.00100	0.00100	1	09/08/2015 15:25	WG812711
Chromium,Dissolved	0.00127	U	0.000540	0.00200	0.00200	1	09/08/2015 15:25	WG812711
Copper,Dissolved	0.00376	U	0.000520	0.00500	0.00500	1	09/08/2015 15:25	WG812711
Cobalt,Dissolved	U		0.000260	0.00200	0.00200	1	09/08/2015 15:25	WG812711
Lead,Dissolved	U		0.000240	0.00200	0.00200	1	09/08/2015 15:25	WG812711
Manganese,Dissolved	0.00654		0.000250	0.00500	0.00500	1	09/08/2015 15:25	WG812711
Molybdenum,Dissolved	0.00199	U	0.000140	0.00500	0.00500	1	09/08/2015 15:25	WG812711
Nickel,Dissolved	U		0.000350	0.00200	0.00200	1	09/08/2015 15:25	WG812711
Selenium,Dissolved	0.00328		0.000380	0.00200	0.00200	1	09/08/2015 15:25	WG812711
Silver,Dissolved	U		0.000310	0.00200	0.00200	1	09/08/2015 15:25	WG812711
Uranium,Dissolved	0.00205	U	0.000330	0.0100	0.0100	1	09/08/2015 15:25	WG812711
Zinc,Dissolved	0.00638	U	0.00256	0.0250	0.0250	1	09/08/2015 15:25	WG812711

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 mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0100	1.00	1.00	1	09/05/2015 10:45	WG813608
Benzene	0.000921	U	0.000331	0.00100	0.00100	1	09/05/2015 10:45	WG813608
Bromodichloromethane	U		0.000380	0.00125	0.00125	1	09/05/2015 10:45	WG813608
Bromoform	U		0.000469	0.00100	0.00100	1	09/05/2015 10:45	WG813608
Bromomethane	U		0.000866	0.00500	0.00500	1	09/05/2015 10:45	WG813608
n-Butylbenzene	U		0.000361	0.00100	0.00100	1	09/05/2015 10:45	WG813608
sec-Butylbenzene	U		0.000365	0.00100	0.00100	1	09/05/2015 10:45	WG813608
tert-Butylbenzene	U		0.000399	0.00100	0.00100	1	09/05/2015 10:45	WG813608
Carbon disulfide	U		0.000275	0.00100	0.00100	1	09/05/2015 10:45	WG813608
Carbon tetrachloride	U		0.000379	0.00100	0.00100	1	09/05/2015 10:45	WG813608
Chlorobenzene	U		0.000348	0.00100	0.00100	1	09/05/2015 10:45	WG813608
Chlorodibromomethane	U		0.000327	0.00100	0.00100	1	09/05/2015 10:45	WG813608
Chloroethane	U		0.000453	0.00500	0.00500	1	09/05/2015 10:45	WG813608
Chloroform	0.000527	U	0.000324	0.00500	0.00500	1	09/05/2015 10:45	WG813608
Chloromethane	U		0.000276	0.00250	0.00250	1	09/05/2015 10:45	WG813608
1,2-Dibromoethane	U		0.000381	0.00100	0.00100	1	09/05/2015 10:45	WG813608
1,1-Dichloroethane	U		0.000259	0.00100	0.00100	1	09/05/2015 10:45	WG813608
1,2-Dichloroethane	U		0.000361	0.00100	0.00100	1	09/05/2015 10:45	WG813608
1,1-Dichloroethene	U		0.000398	0.00100	0.00100	1	09/05/2015 10:45	WG813608
cis-1,2-Dichloroethene	U		0.000260	0.00100	0.00100	1	09/05/2015 10:45	WG813608
trans-1,2-Dichloroethene	U		0.000396	0.00100	0.00100	1	09/05/2015 10:45	WG813608
1,2-Dichloropropane	U		0.000306	0.00100	0.00100	1	09/05/2015 10:45	WG813608
cis-1,3-Dichloropropene	U		0.000418	0.00100	0.00100	1	09/05/2015 10:45	WG813608
trans-1,3-Dichloropropene	U		0.000419	0.00100	0.00100	1	09/05/2015 10:45	WG813608
Ethylbenzene	U		0.000384	0.00100	0.00100	1	09/05/2015 10:45	WG813608
Hexachloro-1,3-butadiene	U		0.000256	0.00100	0.00100	1	09/05/2015 10:45	WG813608
2-Hexanone	U		0.00382	0.0100	0.0100	1	09/05/2015 10:45	WG813608
Isopropylbenzene	U		0.000326	0.00100	0.00100	1	09/05/2015 10:45	WG813608
p-Isopropyltoluene	U		0.000350	0.00100	0.00100	1	09/05/2015 10:45	WG813608
2-Butanone (MEK)	U		0.00393	0.0100	0.0100	1	09/05/2015 10:45	WG813608
Methylene Chloride	U		0.00100	0.00500	0.00500	1	09/05/2015 10:45	WG813608
4-Methyl-2-pentanone (MIBK)	U		0.00214	0.0100	0.0100	1	09/05/2015 10:45	WG813608
Methyl tert-butyl ether	U		0.000367	0.00100	0.00100	1	09/05/2015 10:45	WG813608
Naphthalene	U		0.00100	0.00500	0.00500	1	09/05/2015 10:45	WG813608
n-Propylbenzene	U		0.000349	0.00100	0.00100	1	09/05/2015 10:45	WG813608
Styrene	U		0.000307	0.00100	0.00100	1	09/05/2015 10:45	WG813608
1,1,2,2-Tetrachloroethane	U		0.000130	0.00100	0.00100	1	09/05/2015 10:45	WG813608



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

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Tetrachloroethene	U		0.000372	0.00100	0.00100	1	09/05/2015 10:45	WG813608
Toluene	U		0.000780	0.00500	0.00500	1	09/05/2015 10:45	WG813608
1,1,1-Trichloroethane	U		0.000319	0.00100	0.00100	1	09/05/2015 10:45	WG813608
1,1,2-Trichloroethane	U		0.000383	0.00100	0.00100	1	09/05/2015 10:45	WG813608
Trichloroethene	U		0.000398	0.00100	0.00100	1	09/05/2015 10:45	WG813608
1,2,4-Trimethylbenzene	U		0.000373	0.00100	0.00100	1	09/05/2015 10:45	WG813608
1,3,5-Trimethylbenzene	U		0.000387	0.00100	0.00100	1	09/05/2015 10:45	WG813608
Vinyl chloride	U		0.000259	0.00100	0.00100	1	09/05/2015 10:45	WG813608
Xylenes, Total	U		0.00106	0.00300	0.00300	1	09/05/2015 10:45	WG813608
(S) Toluene-d8	102				90.0-115		09/05/2015 10:45	WG813608
(S) Dibromofluoromethane	93.3				79.0-121		09/05/2015 10:45	WG813608
(S) 4-Bromofluorobenzene	98.4				80.1-120		09/05/2015 10:45	WG813608

Semi Volatile Organic Compounds (GC/MS) by Method 8270 C

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.000316	0.00100	0.00100	1	09/03/2015 10:49	WG812624
Acenaphthylene	U		0.000309	0.00100	0.00100	1	09/03/2015 10:49	WG812624
Acetophenone	U		0.00247	0.0100	0.0100	1	09/03/2015 10:49	WG812624
Anthracene	U		0.000291	0.00100	0.00100	1	09/03/2015 10:49	WG812624
Atrazine	U		0.000260	0.0100	0.0100	1	09/03/2015 10:49	WG812624
Benzo(a)anthracene	U		0.0000510	0.00100	0.00100	1	09/03/2015 10:49	WG812624
Benzaldehyde	U	J3	0.00140	0.0100	0.0100	1	09/03/2015 10:49	WG812624
Benzo(b)fluoranthene	U		0.0000896	0.00100	0.00100	1	09/03/2015 10:49	WG812624
Benzo(k)fluoranthene	U		0.000355	0.00100	0.00100	1	09/03/2015 10:49	WG812624
Benzo(g,h,i)perylene	U		0.00000227	0.00100	0.00100	1	09/03/2015 10:49	WG812624
Benzo(a)pyrene	U		0.0000381	0.000200	0.000200	1	09/03/2015 10:49	WG812624
Biphenyl	U		0.000325	0.0100	0.0100	1	09/03/2015 10:49	WG812624
Bis(2-chlorethoxy)methane	U		0.000329	0.0100	0.0100	1	09/03/2015 10:49	WG812624
Bis(2-chloroethyl)ether	U		0.00162	0.0100	0.0100	1	09/03/2015 10:49	WG812624
Bis(2-chloroisopropyl)ether	U		0.000445	0.0100	0.0100	1	09/03/2015 10:49	WG812624
4-Bromophenyl-phenylether	U		0.000335	0.0100	0.0100	1	09/03/2015 10:49	WG812624
2-Chloronaphthalene	U		0.000330	0.00100	0.00100	1	09/03/2015 10:49	WG812624
4-Chlorophenyl-phenylether	U		0.000303	0.0100	0.0100	1	09/03/2015 10:49	WG812624
Caprolactam	U		0.00259	0.0100	0.0100	1	09/03/2015 10:49	WG812624
Carbazole	U		0.000260	0.0100	0.0100	1	09/03/2015 10:49	WG812624
Chrysene	U		0.000332	0.00100	0.00100	1	09/03/2015 10:49	WG812624
Dibenz(a,h)anthracene	U		0.0000644	0.000200	0.000200	1	09/03/2015 10:49	WG812624
Dibenzofuran	U		0.000338	0.0100	0.0100	1	09/03/2015 10:49	WG812624
3,3-Dichlorobenzidine	U		0.00202	0.0100	0.0100	1	09/03/2015 10:49	WG812624
2,4-Dinitrotoluene	U		0.00165	0.0100	0.0100	1	09/03/2015 10:49	WG812624
2,6-Dinitrotoluene	U		0.000279	0.0100	0.0100	1	09/03/2015 10:49	WG812624
Fluoranthene	U		0.000310	0.00100	0.00100	1	09/03/2015 10:49	WG812624
Fluorene	U		0.000323	0.00100	0.00100	1	09/03/2015 10:49	WG812624
Hexachlorobenzene	U		0.000341	0.00100	0.00100	1	09/03/2015 10:49	WG812624
Hexachloro-1,3-butadiene	U		0.000329	0.0100	0.0100	1	09/03/2015 10:49	WG812624
Hexachlorocyclopentadiene	U		0.00233	0.0100	0.0100	1	09/03/2015 10:49	WG812624
Hexachloroethane	U		0.000365	0.0100	0.0100	1	09/03/2015 10:49	WG812624
Indeno(1,2,3-cd)pyrene	U		0.000279	0.00100	0.00100	1	09/03/2015 10:49	WG812624
Isophorone	U		0.000272	0.0100	0.0100	1	09/03/2015 10:49	WG812624
1-Methylnaphthalene	U		0.000332	0.00100	0.00100	1	09/03/2015 10:49	WG812624
2-Methylnaphthalene	U		0.000311	0.00100	0.00100	1	09/03/2015 10:49	WG812624
Naphthalene	U		0.000372	0.00100	0.00100	1	09/03/2015 10:49	WG812624
Nitrobenzene	U		0.000367	0.0100	0.0100	1	09/03/2015 10:49	WG812624
n-Nitrosodiphenylamine	U		0.000304	0.0100	0.0100	1	09/03/2015 10:49	WG812624
n-Nitrosodi-n-propylamine	U		0.000403	0.0100	0.0100	1	09/03/2015 10:49	WG812624

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Semi Volatile Organic Compounds (GC/MS) by Method 8270 C

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Phenanthrene	U		0.000366	0.00100	0.00100	1	09/03/2015 10:49	WG812624
Benzylbutyl phthalate	U		0.000275	0.00300	0.00300	1	09/03/2015 10:49	WG812624
Bis(2-ethylhexyl)phthalate	0.000762	J	0.000709	0.00300	0.00300	1	09/03/2015 10:49	WG812624
Di-n-butyl phthalate	0.000283	J	0.000266	0.00300	0.00300	1	09/03/2015 10:49	WG812624
Diethyl phthalate	U		0.000282	0.00300	0.00300	1	09/03/2015 10:49	WG812624
Dimethyl phthalate	U		0.000283	0.00300	0.00300	1	09/03/2015 10:49	WG812624
Di-n-octyl phthalate	U		0.000278	0.00300	0.00300	1	09/03/2015 10:49	WG812624
Pyrene	U		0.000330	0.00100	0.00100	1	09/03/2015 10:49	WG812624
1,2,4-Trichlorobenzene	U		0.000355	0.0100	0.0100	1	09/03/2015 10:49	WG812624
4-Chloro-3-methylphenol	U		0.000263	0.0100	0.0100	1	09/03/2015 10:49	WG812624
2-Chlorophenol	U		0.000283	0.0100	0.0100	1	09/03/2015 10:49	WG812624
2,4-Dichlorophenol	U		0.000284	0.0100	0.0100	1	09/03/2015 10:49	WG812624
2,4-Dimethylphenol	U		0.000624	0.0100	0.0100	1	09/03/2015 10:49	WG812624
4,6-Dinitro-2-methylphenol	U		0.00262	0.0100	0.0100	1	09/03/2015 10:49	WG812624
2,4-Dinitrophenol	U	J3	0.00325	0.0100	0.0100	1	09/03/2015 10:49	WG812624
2-Nitrophenol	U		0.000320	0.0100	0.0100	1	09/03/2015 10:49	WG812624
2-Nitroaniline	U		0.00190	0.0100	0.0100	1	09/03/2015 10:49	WG812624
2-Methylphenol	U		0.000312	0.0100	0.0100	1	09/03/2015 10:49	WG812624
3&4-Methyl Phenol	U		0.000266	0.0100	0.0100	1	09/03/2015 10:49	WG812624
3-Nitroaniline	U		0.000308	0.0100	0.0100	1	09/03/2015 10:49	WG812624
4-Chloroaniline	U		0.000382	0.0100	0.0100	1	09/03/2015 10:49	WG812624
4-Nitroaniline	U	J4	0.000349	0.0100	0.0100	1	09/03/2015 10:49	WG812624
4-Nitrophenol	U		0.00201	0.0100	0.0100	1	09/03/2015 10:49	WG812624
Pentachlorophenol	U		0.000313	0.0100	0.0100	1	09/03/2015 10:49	WG812624
Phenol	U		0.000334	0.0100	0.0100	1	09/03/2015 10:49	WG812624
2,4,5-Trichlorophenol	U		0.000236	0.0100	0.0100	1	09/03/2015 10:49	WG812624
2,4,6-Trichlorophenol	U		0.000297	0.0100	0.0100	1	09/03/2015 10:49	WG812624
(S) 2-Fluorophenol	61.3				10.0-77.9		09/03/2015 10:49	WG812624
(S) Phenol-d5	43.3				5.00-70.1		09/03/2015 10:49	WG812624
(S) Nitrobenzene-d5	94.0				21.8-123		09/03/2015 10:49	WG812624
(S) 2-Fluorobiphenyl	90.2				29.5-131		09/03/2015 10:49	WG812624
(S) 2,4,6-Tribromophenol	66.6				11.2-130		09/03/2015 10:49	WG812624
(S) p-Terphenyl-d14	83.4				29.3-137		09/03/2015 10:49	WG812624

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	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Dissolved Solids	603		2.82	10.0	10.0	1	09/02/2015 15:34	WG812599

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Alkalinity	171	J6	2.61	20.0	20.0	1	09/02/2015 14:06	WG812795

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Nitrate-Nitrite	3.00		0.0197	0.100	0.100	1	09/03/2015 11:37	WG813064

Wet Chemistry by Method 9040C

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	su			date / time	
pH	7.19	J	1	09/01/2015 15:55	WG812616

Sample Narrative:

9040C L786033-17 WG812616: 7.19 at 19.5c

Wet Chemistry by Method 9050A

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	umhos/cm			date / time	
Specific Conductance	880		1	09/01/2015 11:53	WG812578

Wet Chemistry by Method 9056

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Chloride	206	J5	0.156	1.00	3.00	3	09/05/2015 16:32	WG813560
Fluoride	1.75	J5	0.0297	0.100	0.300	3	09/05/2015 16:32	WG813560
Sulfate	145	J5	0.232	5.00	15.0	3	09/05/2015 16:32	WG813560

Mercury by Method 7470A

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Mercury	U		0.0000490	0.000200	0.000200	1	09/01/2015 14:05	WG812697
Mercury,Dissolved	U		0.0000490	0.000200	0.000200	1	09/01/2015 15:55	WG812696

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Aluminum,Dissolved	U		0.0350	0.200	0.200	1	09/08/2015 12:26	WG812705
Barium,Dissolved	0.0981		0.00170	0.00500	0.00500	1	09/08/2015 12:26	WG812705
Beryllium,Dissolved	U		0.000700	0.00200	0.00200	1	09/08/2015 12:26	WG812705
Cadmium,Dissolved	U		0.000700	0.00200	0.00200	1	09/08/2015 12:26	WG812705
Calcium,Dissolved	107	V	0.0463	1.00	1.00	1	09/08/2015 12:26	WG812705
Chromium,Dissolved	0.00866	J	0.00140	0.0100	0.0100	1	09/08/2015 12:26	WG812705
Cobalt,Dissolved	U		0.00230	0.0100	0.0100	1	09/08/2015 12:26	WG812705
Copper,Dissolved	U		0.00530	0.0100	0.0100	1	09/08/2015 12:26	WG812705
Iron,Dissolved	0.0248	J	0.0141	0.100	0.100	1	09/08/2015 12:26	WG812705
Magnesium,Dissolved	16.5		0.0111	1.00	1.00	1	09/08/2015 12:26	WG812705
Manganese,Dissolved	0.0129		0.00120	0.0100	0.0100	1	09/08/2015 12:26	WG812705



Metals (ICP) by Method 6010B

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Nickel,Dissolved	U		0.00490	0.0100	0.0100	1	09/08/2015 12:26	WG812705
Potassium,Dissolved	2.18		0.102	1.00	1.00	1	09/08/2015 12:26	WG812705
Silver,Dissolved	U		0.00280	0.00500	0.00500	1	09/08/2015 12:26	WG812705
Sodium,Dissolved	51.6	V	0.0985	1.00	1.00	1	09/08/2015 12:26	WG812705
Vanadium,Dissolved	0.0245		0.00240	0.0200	0.0200	1	09/08/2015 12:26	WG812705
Zinc,Dissolved	0.0284	L	0.00590	0.0500	0.0500	1	09/08/2015 12:26	WG812705

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Arsenic,Dissolved	0.00445		0.000250	0.00200	0.00200	1	09/08/2015 15:29	WG812711
Boron,Dissolved	0.149		0.00150	0.0200	0.0200	1	09/08/2015 18:38	WG812711
Lead,Dissolved	0.000241	L	0.000240	0.00200	0.00200	1	09/08/2015 15:29	WG812711
Molybdenum,Dissolved	0.00236	L	0.000140	0.00500	0.00500	1	09/08/2015 15:29	WG812711
Selenium,Dissolved	0.00388		0.000380	0.00200	0.00200	1	09/08/2015 15:29	WG812711
Uranium,Dissolved	0.00174	L	0.000330	0.0100	0.0100	1	09/08/2015 15:29	WG812711

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

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0100	1.00	1.00	1	09/05/2015 11:01	WG813609
Benzene	U		0.000331	0.00100	0.00100	1	09/05/2015 11:01	WG813609
Bromodichloromethane	U		0.000380	0.00125	0.00125	1	09/05/2015 11:01	WG813609
Bromoform	U		0.000469	0.00100	0.00100	1	09/05/2015 11:01	WG813609
Bromomethane	U		0.000866	0.00500	0.00500	1	09/05/2015 11:01	WG813609
n-Butylbenzene	U		0.000361	0.00100	0.00100	1	09/05/2015 11:01	WG813609
sec-Butylbenzene	U		0.000365	0.00100	0.00100	1	09/05/2015 11:01	WG813609
tert-Butylbenzene	U		0.000399	0.00100	0.00100	1	09/05/2015 11:01	WG813609
Carbon disulfide	U		0.000275	0.00100	0.00100	1	09/05/2015 11:01	WG813609
Carbon tetrachloride	U		0.000379	0.00100	0.00100	1	09/05/2015 11:01	WG813609
Chlorobenzene	U		0.000348	0.00100	0.00100	1	09/05/2015 11:01	WG813609
Chlorodibromomethane	U		0.000327	0.00100	0.00100	1	09/05/2015 11:01	WG813609
Chloroethane	U		0.000453	0.00500	0.00500	1	09/05/2015 11:01	WG813609
Chloroform	U		0.000324	0.00500	0.00500	1	09/05/2015 11:01	WG813609
Chloromethane	U		0.000276	0.00250	0.00250	1	09/05/2015 11:01	WG813609
1,2-Dibromoethane	U		0.000381	0.00100	0.00100	1	09/05/2015 11:01	WG813609
1,1-Dichloroethane	U		0.000259	0.00100	0.00100	1	09/05/2015 11:01	WG813609
1,2-Dichloroethane	U		0.000361	0.00100	0.00100	1	09/05/2015 11:01	WG813609
1,1-Dichloroethene	U		0.000398	0.00100	0.00100	1	09/05/2015 11:01	WG813609
cis-1,2-Dichloroethene	U		0.000260	0.00100	0.00100	1	09/05/2015 11:01	WG813609
trans-1,2-Dichloroethene	U		0.000396	0.00100	0.00100	1	09/05/2015 11:01	WG813609
1,2-Dichloropropane	U		0.000306	0.00100	0.00100	1	09/05/2015 11:01	WG813609
cis-1,3-Dichloropropene	U		0.000418	0.00100	0.00100	1	09/05/2015 11:01	WG813609
trans-1,3-Dichloropropene	U		0.000419	0.00100	0.00100	1	09/05/2015 11:01	WG813609
Ethylbenzene	U		0.000384	0.00100	0.00100	1	09/05/2015 11:01	WG813609
Hexachloro-1,3-butadiene	U		0.000256	0.00100	0.00100	1	09/05/2015 11:01	WG813609
2-Hexanone	U		0.00382	0.0100	0.0100	1	09/05/2015 11:01	WG813609
Isopropylbenzene	U		0.000326	0.00100	0.00100	1	09/05/2015 11:01	WG813609
p-Isopropyltoluene	U		0.000350	0.00100	0.00100	1	09/05/2015 11:01	WG813609
2-Butanone (MEK)	U		0.00393	0.0100	0.0100	1	09/05/2015 11:01	WG813609
Methylene Chloride	U		0.00100	0.00500	0.00500	1	09/05/2015 11:01	WG813609
4-Methyl-2-pentanone (MIBK)	U		0.00214	0.0100	0.0100	1	09/05/2015 11:01	WG813609
Methyl tert-butyl ether	U		0.000367	0.00100	0.00100	1	09/05/2015 11:01	WG813609
Naphthalene	U		0.00100	0.00500	0.00500	1	09/05/2015 11:01	WG813609
n-Propylbenzene	U		0.000349	0.00100	0.00100	1	09/05/2015 11:01	WG813609

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

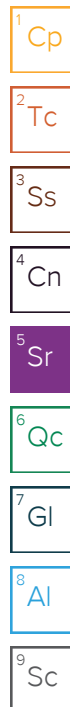


Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Styrene	U		0.000307	0.00100	0.00100	1	09/05/2015 11:01	WG813609
1,1,2,2-Tetrachloroethane	U		0.000130	0.00100	0.00100	1	09/05/2015 11:01	WG813609
Tetrachloroethene	U		0.000372	0.00100	0.00100	1	09/05/2015 11:01	WG813609
Toluene	U		0.000780	0.00500	0.00500	1	09/05/2015 11:01	WG813609
1,1,1-Trichloroethane	U		0.000319	0.00100	0.00100	1	09/05/2015 11:01	WG813609
1,1,2-Trichloroethane	U		0.000383	0.00100	0.00100	1	09/05/2015 11:01	WG813609
Trichloroethene	U		0.000398	0.00100	0.00100	1	09/05/2015 11:01	WG813609
1,2,4-Trimethylbenzene	U		0.000373	0.00100	0.00100	1	09/05/2015 11:01	WG813609
1,3,5-Trimethylbenzene	U		0.000387	0.00100	0.00100	1	09/05/2015 11:01	WG813609
Vinyl chloride	U		0.000259	0.00100	0.00100	1	09/05/2015 11:01	WG813609
Xylenes, Total	U		0.00106	0.00300	0.00300	1	09/05/2015 11:01	WG813609
(S) Toluene-d8	98.7				90.0-115		09/05/2015 11:01	WG813609
(S) Dibromofluoromethane	103				79.0-121		09/05/2015 11:01	WG813609
(S) 4-Bromofluorobenzene	92.5				80.1-120		09/05/2015 11:01	WG813609

Semi Volatile Organic Compounds (GC/MS) by Method 8270 C

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.000316	0.00100	0.00100	1	09/04/2015 06:29	WG813193
Acenaphthylene	U		0.000309	0.00100	0.00100	1	09/04/2015 06:29	WG813193
Acetophenone	U	J4	0.00247	0.0100	0.0100	1	09/04/2015 06:29	WG813193
Anthracene	U		0.000291	0.00100	0.00100	1	09/04/2015 06:29	WG813193
Atrazine	U		0.000260	0.0100	0.0100	1	09/04/2015 06:29	WG813193
Benzo(a)anthracene	U		0.0000510	0.00100	0.00100	1	09/04/2015 06:29	WG813193
Benzaldehyde	U	J6	0.00140	0.0100	0.0100	1	09/04/2015 06:29	WG813193
Benzo(b)fluoranthene	U		0.0000896	0.00100	0.00100	1	09/04/2015 06:29	WG813193
Benzo(k)fluoranthene	U		0.000355	0.00100	0.00100	1	09/04/2015 06:29	WG813193
Benzo(g,h,i)perylene	U		0.00000227	0.00100	0.00100	1	09/04/2015 06:29	WG813193
Benzo(a)pyrene	U		0.0000381	0.000200	0.000200	1	09/04/2015 06:29	WG813193
Biphenyl	U		0.000325	0.0100	0.0100	1	09/04/2015 06:29	WG813193
Bis(2-chlorethoxy)methane	U		0.000329	0.0100	0.0100	1	09/04/2015 06:29	WG813193
Bis(2-chloroethyl)ether	U		0.00162	0.0100	0.0100	1	09/04/2015 06:29	WG813193
Bis(2-chloroisopropyl)ether	U	J4	0.000445	0.0100	0.0100	1	09/04/2015 06:29	WG813193
4-Bromophenyl-phenylether	U		0.000335	0.0100	0.0100	1	09/04/2015 06:29	WG813193
2-Chloronaphthalene	U		0.000330	0.00100	0.00100	1	09/04/2015 06:29	WG813193
4-Chlorophenyl-phenylether	U		0.000303	0.0100	0.0100	1	09/04/2015 06:29	WG813193
Caprolactam	U		0.00259	0.0100	0.0100	1	09/04/2015 06:29	WG813193
Carbazole	U		0.000260	0.0100	0.0100	1	09/04/2015 06:29	WG813193
Chrysene	U		0.000332	0.00100	0.00100	1	09/04/2015 06:29	WG813193
Dibenz(a,h)anthracene	U		0.0000644	0.000200	0.000200	1	09/04/2015 06:29	WG813193
Dibenzofuran	U		0.000338	0.0100	0.0100	1	09/04/2015 06:29	WG813193
3,3-Dichlorobenzidine	U		0.00202	0.0100	0.0100	1	09/04/2015 06:29	WG813193
2,4-Dinitrotoluene	U		0.00165	0.0100	0.0100	1	09/04/2015 06:29	WG813193
2,6-Dinitrotoluene	U		0.000279	0.0100	0.0100	1	09/04/2015 06:29	WG813193
Fluoranthene	U		0.000310	0.00100	0.00100	1	09/04/2015 06:29	WG813193
Fluorene	U		0.000323	0.00100	0.00100	1	09/04/2015 06:29	WG813193
Hexachlorobenzene	U		0.000341	0.00100	0.00100	1	09/04/2015 06:29	WG813193
Hexachloro-1,3-butadiene	U		0.000329	0.0100	0.0100	1	09/04/2015 06:29	WG813193
Hexachlorocyclopentadiene	U		0.00233	0.0100	0.0100	1	09/04/2015 06:29	WG813193
Hexachloroethane	U		0.000365	0.0100	0.0100	1	09/04/2015 06:29	WG813193
Indeno(1,2,3-cd)pyrene	U		0.000279	0.00100	0.00100	1	09/04/2015 06:29	WG813193
Isophorone	U		0.000272	0.0100	0.0100	1	09/04/2015 06:29	WG813193
1-Methylnaphthalene	U		0.000332	0.00100	0.00100	1	09/04/2015 06:29	WG813193
2-Methylnaphthalene	U		0.000311	0.00100	0.00100	1	09/04/2015 06:29	WG813193
Naphthalene	U		0.000372	0.00100	0.00100	1	09/04/2015 06:29	WG813193
Nitrobenzene	U		0.000367	0.0100	0.0100	1	09/04/2015 06:29	WG813193





Collected date/time: 08/28/15 08:35

L786033

Semi Volatile Organic Compounds (GC/MS) by Method 8270 C

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
n-Nitrosodiphenylamine	U		0.000304	0.0100	0.0100	1	09/04/2015 06:29	WG813193
n-Nitrosodi-n-propylamine	U	J4	0.000403	0.0100	0.0100	1	09/04/2015 06:29	WG813193
Phenanthrene	U		0.000366	0.00100	0.00100	1	09/04/2015 06:29	WG813193
Benzylbutyl phthalate	U		0.000275	0.00300	0.00300	1	09/04/2015 06:29	WG813193
Bis(2-ethylhexyl)phthalate	0.00112	J	0.000709	0.00300	0.00300	1	09/04/2015 06:29	WG813193
Di-n-butyl phthalate	0.00132	J	0.000266	0.00300	0.00300	1	09/04/2015 06:29	WG813193
Diethyl phthalate	U		0.000282	0.00300	0.00300	1	09/04/2015 06:29	WG813193
Dimethyl phthalate	U		0.000283	0.00300	0.00300	1	09/04/2015 06:29	WG813193
Di-n-octyl phthalate	U		0.000278	0.00300	0.00300	1	09/04/2015 06:29	WG813193
Pyrene	U		0.000330	0.00100	0.00100	1	09/04/2015 06:29	WG813193
1,2,4-Trichlorobenzene	U		0.000355	0.0100	0.0100	1	09/04/2015 06:29	WG813193
4-Chloro-3-methylphenol	U		0.000263	0.0100	0.0100	1	09/04/2015 06:29	WG813193
2-Chlorophenol	U		0.000283	0.0100	0.0100	1	09/04/2015 06:29	WG813193
2,4-Dichlorophenol	U		0.000284	0.0100	0.0100	1	09/04/2015 06:29	WG813193
2,4-Dimethylphenol	U		0.000624	0.0100	0.0100	1	09/04/2015 06:29	WG813193
4,6-Dinitro-2-methylphenol	U		0.00262	0.0100	0.0100	1	09/04/2015 06:29	WG813193
2,4-Dinitrophenol	U		0.00325	0.0100	0.0100	1	09/04/2015 06:29	WG813193
2-Nitrophenol	U		0.000320	0.0100	0.0100	1	09/04/2015 06:29	WG813193
2-Nitroaniline	U		0.00190	0.0100	0.0100	1	09/04/2015 06:29	WG813193
2-Methylphenol	U		0.000312	0.0100	0.0100	1	09/04/2015 06:29	WG813193
3&4-Methyl Phenol	U		0.000266	0.0100	0.0100	1	09/04/2015 06:29	WG813193
3-Nitroaniline	U		0.000308	0.0100	0.0100	1	09/04/2015 06:29	WG813193
4-Chloroaniline	U		0.000382	0.0100	0.0100	1	09/04/2015 06:29	WG813193
4-Nitroaniline	U		0.000349	0.0100	0.0100	1	09/04/2015 06:29	WG813193
4-Nitrophenol	U		0.00201	0.0100	0.0100	1	09/04/2015 06:29	WG813193
Pentachlorophenol	U		0.000313	0.0100	0.0100	1	09/04/2015 06:29	WG813193
Phenol	U		0.000334	0.0100	0.0100	1	09/04/2015 06:29	WG813193
2,4,5-Trichlorophenol	U		0.000236	0.0100	0.0100	1	09/04/2015 06:29	WG813193
2,4,6-Trichlorophenol	U		0.000297	0.0100	0.0100	1	09/04/2015 06:29	WG813193
(S) 2-Fluorophenol	40.2				10.0-77.9		09/04/2015 06:29	WG813193
(S) Phenol-d5	31.8				5.00-70.1		09/04/2015 06:29	WG813193
(S) Nitrobenzene-d5	47.5				21.8-123		09/04/2015 06:29	WG813193
(S) 2-Fluorobiphenyl	54.9				29.5-131		09/04/2015 06:29	WG813193
(S) 2,4,6-Tribromophenol	62.2				11.2-130		09/04/2015 06:29	WG813193
(S) p-Terphenyl-d14	81.5				29.3-137		09/04/2015 06:29	WG813193

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	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Dissolved Solids	593		2.82	10.0	10.0	1	09/02/2015 15:35	WG812599

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Alkalinity	183		2.61	20.0	20.0	1	09/02/2015 14:06	WG812795

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Nitrate-Nitrite	4.34		0.0197	0.100	0.100	1	09/02/2015 15:34	WG812781

Wet Chemistry by Method 9040C

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	su			date / time	
pH	7.18	J	1	09/01/2015 15:55	WG812616

Sample Narrative:

9040C L786033-18 WG812616: 7.18 at 19.7c

Wet Chemistry by Method 9050A

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	umhos/cm			date / time	
Specific Conductance	905		1	09/02/2015 11:58	WG812843

Wet Chemistry by Method 9056

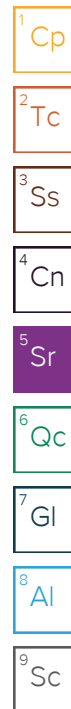
Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Chloride	193		0.156	1.00	3.00	3	09/05/2015 17:21	WG813560
Fluoride	1.55		0.0297	0.100	0.300	3	09/05/2015 17:21	WG813560
Sulfate	127		0.232	5.00	15.0	3	09/05/2015 17:21	WG813560

Mercury by Method 7470A

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Mercury	U		0.0000490	0.000200	0.000200	1	09/01/2015 14:49	WG812697

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Aluminum,Dissolved	U		0.0350	0.200	0.200	1	09/08/2015 12:34	WG812705
Calcium,Dissolved	101		0.0463	1.00	1.00	1	09/08/2015 12:34	WG812705
Iron,Dissolved	U		0.0141	0.100	0.100	1	09/08/2015 12:34	WG812705
Magnesium,Dissolved	12.9		0.0111	1.00	1.00	1	09/08/2015 12:34	WG812705
Potassium,Dissolved	2.43		0.102	1.00	1.00	1	09/08/2015 12:34	WG812705
Sodium,Dissolved	64.8		0.0985	1.00	1.00	1	09/08/2015 12:34	WG812705





Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Arsenic,Dissolved	0.00551		0.000250	0.00200	0.00200	1	09/08/2015 15:27	WG812711
Barium,Dissolved	0.103		0.000360	0.00500	0.00500	1	09/08/2015 15:27	WG812711
Boron,Dissolved	0.155		0.00150	0.0200	0.0200	1	09/08/2015 18:35	WG812711
Cadmium,Dissolved	U		0.000160	0.00100	0.00100	1	09/08/2015 15:27	WG812711
Chromium,Dissolved	0.000676	U	0.000540	0.00200	0.00200	1	09/08/2015 15:27	WG812711
Copper,Dissolved	0.00121	U	0.000520	0.00500	0.00500	1	09/08/2015 15:27	WG812711
Cobalt,Dissolved	U		0.000260	0.00200	0.00200	1	09/08/2015 15:27	WG812711
Lead,Dissolved	U		0.000240	0.00200	0.00200	1	09/08/2015 15:27	WG812711
Manganese,Dissolved	0.000878	U	0.000250	0.00500	0.00500	1	09/08/2015 15:27	WG812711
Molybdenum,Dissolved	0.00306	U	0.000140	0.00500	0.00500	1	09/08/2015 15:27	WG812711
Nickel,Dissolved	U		0.000350	0.00200	0.00200	1	09/08/2015 15:27	WG812711
Selenium,Dissolved	0.00332		0.000380	0.00200	0.00200	1	09/08/2015 15:27	WG812711
Silver,Dissolved	U		0.000310	0.00200	0.00200	1	09/08/2015 15:27	WG812711
Uranium,Dissolved	0.00156	U	0.000330	0.0100	0.0100	1	09/08/2015 15:27	WG812711
Zinc,Dissolved	U		0.00256	0.0250	0.0250	1	09/08/2015 15:27	WG812711

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 mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0100	1.00	1.00	1	09/05/2015 11:05	WG813608
Benzene	U		0.000331	0.00100	0.00100	1	09/05/2015 11:05	WG813608
Bromodichloromethane	U		0.000380	0.00125	0.00125	1	09/05/2015 11:05	WG813608
Bromoform	U		0.000469	0.00100	0.00100	1	09/05/2015 11:05	WG813608
Bromomethane	U		0.000866	0.00500	0.00500	1	09/05/2015 11:05	WG813608
n-Butylbenzene	U		0.000361	0.00100	0.00100	1	09/05/2015 11:05	WG813608
sec-Butylbenzene	U		0.000365	0.00100	0.00100	1	09/05/2015 11:05	WG813608
tert-Butylbenzene	U		0.000399	0.00100	0.00100	1	09/05/2015 11:05	WG813608
Carbon disulfide	U		0.000275	0.00100	0.00100	1	09/05/2015 11:05	WG813608
Carbon tetrachloride	U		0.000379	0.00100	0.00100	1	09/05/2015 11:05	WG813608
Chlorobenzene	U		0.000348	0.00100	0.00100	1	09/05/2015 11:05	WG813608
Chlorodibromomethane	U		0.000327	0.00100	0.00100	1	09/05/2015 11:05	WG813608
Chloroethane	U		0.000453	0.00500	0.00500	1	09/05/2015 11:05	WG813608
Chloroform	U		0.000324	0.00500	0.00500	1	09/05/2015 11:05	WG813608
Chloromethane	U		0.000276	0.00250	0.00250	1	09/05/2015 11:05	WG813608
1,2-Dibromoethane	U		0.000381	0.00100	0.00100	1	09/05/2015 11:05	WG813608
1,1-Dichloroethane	U		0.000259	0.00100	0.00100	1	09/05/2015 11:05	WG813608
1,2-Dichloroethane	U		0.000361	0.00100	0.00100	1	09/05/2015 11:05	WG813608
1,1-Dichloroethene	U		0.000398	0.00100	0.00100	1	09/05/2015 11:05	WG813608
cis-1,2-Dichloroethene	U		0.000260	0.00100	0.00100	1	09/05/2015 11:05	WG813608
trans-1,2-Dichloroethene	U		0.000396	0.00100	0.00100	1	09/05/2015 11:05	WG813608
1,2-Dichloropropane	U		0.000306	0.00100	0.00100	1	09/05/2015 11:05	WG813608
cis-1,3-Dichloropropene	U		0.000418	0.00100	0.00100	1	09/05/2015 11:05	WG813608
trans-1,3-Dichloropropene	U		0.000419	0.00100	0.00100	1	09/05/2015 11:05	WG813608
Ethylbenzene	U		0.000384	0.00100	0.00100	1	09/05/2015 11:05	WG813608
Hexachloro-1,3-butadiene	U		0.000256	0.00100	0.00100	1	09/05/2015 11:05	WG813608
2-Hexanone	U		0.00382	0.0100	0.0100	1	09/05/2015 11:05	WG813608
Isopropylbenzene	U		0.000326	0.00100	0.00100	1	09/05/2015 11:05	WG813608
p-Isopropyltoluene	U		0.000350	0.00100	0.00100	1	09/05/2015 11:05	WG813608
2-Butanone (MEK)	U		0.00393	0.0100	0.0100	1	09/05/2015 11:05	WG813608
Methylene Chloride	U		0.00100	0.00500	0.00500	1	09/05/2015 11:05	WG813608
4-Methyl-2-pentanone (MIBK)	U		0.00214	0.0100	0.0100	1	09/05/2015 11:05	WG813608
Methyl tert-butyl ether	U		0.000367	0.00100	0.00100	1	09/05/2015 11:05	WG813608
Naphthalene	U		0.00100	0.00500	0.00500	1	09/05/2015 11:05	WG813608
n-Propylbenzene	U		0.000349	0.00100	0.00100	1	09/05/2015 11:05	WG813608
Styrene	U		0.000307	0.00100	0.00100	1	09/05/2015 11:05	WG813608
1,1,2,2-Tetrachloroethane	U		0.000130	0.00100	0.00100	1	09/05/2015 11:05	WG813608



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

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Tetrachloroethene	U		0.000372	0.00100	0.00100	1	09/05/2015 11:05	WG813608
Toluene	U		0.000780	0.00500	0.00500	1	09/05/2015 11:05	WG813608
1,1,1-Trichloroethane	U		0.000319	0.00100	0.00100	1	09/05/2015 11:05	WG813608
1,1,2-Trichloroethane	U		0.000383	0.00100	0.00100	1	09/05/2015 11:05	WG813608
Trichloroethene	U		0.000398	0.00100	0.00100	1	09/05/2015 11:05	WG813608
1,2,4-Trimethylbenzene	U		0.000373	0.00100	0.00100	1	09/05/2015 11:05	WG813608
1,3,5-Trimethylbenzene	U		0.000387	0.00100	0.00100	1	09/05/2015 11:05	WG813608
Vinyl chloride	U		0.000259	0.00100	0.00100	1	09/05/2015 11:05	WG813608
Xylenes, Total	U		0.00106	0.00300	0.00300	1	09/05/2015 11:05	WG813608
(S) Toluene-d8	102				90.0-115		09/05/2015 11:05	WG813608
(S) Dibromofluoromethane	95.8				79.0-121		09/05/2015 11:05	WG813608
(S) 4-Bromofluorobenzene	95.3				80.1-120		09/05/2015 11:05	WG813608

Semi Volatile Organic Compounds (GC/MS) by Method 8270 C

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.000316	0.00100	0.00100	1	09/03/2015 11:13	WG812624
Acenaphthylene	U		0.000309	0.00100	0.00100	1	09/03/2015 11:13	WG812624
Acetophenone	U		0.00247	0.0100	0.0100	1	09/03/2015 11:13	WG812624
Anthracene	U		0.000291	0.00100	0.00100	1	09/03/2015 11:13	WG812624
Atrazine	U		0.000260	0.0100	0.0100	1	09/03/2015 11:13	WG812624
Benzo(a)anthracene	U		0.0000510	0.00100	0.00100	1	09/03/2015 11:13	WG812624
Benzaldehyde	U	J3	0.00140	0.0100	0.0100	1	09/03/2015 11:13	WG812624
Benzo(b)fluoranthene	U		0.0000896	0.00100	0.00100	1	09/03/2015 11:13	WG812624
Benzo(k)fluoranthene	U		0.000355	0.00100	0.00100	1	09/03/2015 11:13	WG812624
Benzo(g,h,i)perylene	U		0.00000227	0.00100	0.00100	1	09/03/2015 11:13	WG812624
Benzo(a)pyrene	U		0.0000381	0.000200	0.000200	1	09/03/2015 11:13	WG812624
Biphenyl	U		0.000325	0.0100	0.0100	1	09/03/2015 11:13	WG812624
Bis(2-chlorethoxy)methane	U		0.000329	0.0100	0.0100	1	09/03/2015 11:13	WG812624
Bis(2-chloroethyl)ether	U		0.00162	0.0100	0.0100	1	09/03/2015 11:13	WG812624
Bis(2-chloroisopropyl)ether	U		0.000445	0.0100	0.0100	1	09/03/2015 11:13	WG812624
4-Bromophenyl-phenylether	U		0.000335	0.0100	0.0100	1	09/03/2015 11:13	WG812624
2-Chloronaphthalene	U		0.000330	0.00100	0.00100	1	09/03/2015 11:13	WG812624
4-Chlorophenyl-phenylether	U		0.000303	0.0100	0.0100	1	09/03/2015 11:13	WG812624
Caprolactam	U		0.00259	0.0100	0.0100	1	09/03/2015 11:13	WG812624
Carbazole	U		0.000260	0.0100	0.0100	1	09/03/2015 11:13	WG812624
Chrysene	U		0.000332	0.00100	0.00100	1	09/03/2015 11:13	WG812624
Dibenz(a,h)anthracene	U		0.0000644	0.000200	0.000200	1	09/03/2015 11:13	WG812624
Dibenzofuran	U		0.000338	0.0100	0.0100	1	09/03/2015 11:13	WG812624
3,3-Dichlorobenzidine	U		0.00202	0.0100	0.0100	1	09/03/2015 11:13	WG812624
2,4-Dinitrotoluene	U		0.00165	0.0100	0.0100	1	09/03/2015 11:13	WG812624
2,6-Dinitrotoluene	U		0.000279	0.0100	0.0100	1	09/03/2015 11:13	WG812624
Fluoranthene	U		0.000310	0.00100	0.00100	1	09/03/2015 11:13	WG812624
Fluorene	U		0.000323	0.00100	0.00100	1	09/03/2015 11:13	WG812624
Hexachlorobenzene	U		0.000341	0.00100	0.00100	1	09/03/2015 11:13	WG812624
Hexachloro-1,3-butadiene	U		0.000329	0.0100	0.0100	1	09/03/2015 11:13	WG812624
Hexachlorocyclopentadiene	U		0.00233	0.0100	0.0100	1	09/03/2015 11:13	WG812624
Hexachloroethane	U		0.000365	0.0100	0.0100	1	09/03/2015 11:13	WG812624
Indeno(1,2,3-cd)pyrene	U		0.000279	0.00100	0.00100	1	09/03/2015 11:13	WG812624
Isophorone	U		0.000272	0.0100	0.0100	1	09/03/2015 11:13	WG812624
1-Methylnaphthalene	U		0.000332	0.00100	0.00100	1	09/03/2015 11:13	WG812624
2-Methylnaphthalene	U		0.000311	0.00100	0.00100	1	09/03/2015 11:13	WG812624
Naphthalene	U		0.000372	0.00100	0.00100	1	09/03/2015 11:13	WG812624
Nitrobenzene	U		0.000367	0.0100	0.0100	1	09/03/2015 11:13	WG812624
n-Nitrosodiphenylamine	U		0.000304	0.0100	0.0100	1	09/03/2015 11:13	WG812624
n-Nitrosodi-n-propylamine	U		0.000403	0.0100	0.0100	1	09/03/2015 11:13	WG812624





Semi Volatile Organic Compounds (GC/MS) by Method 8270 C

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Phenanthrene	U		0.000366	0.00100	0.00100	1	09/03/2015 11:13	WG812624
Benzylbutyl phthalate	U		0.000275	0.00300	0.00300	1	09/03/2015 11:13	WG812624
Bis(2-ethylhexyl)phthalate	0.000714	J	0.000709	0.00300	0.00300	1	09/03/2015 11:13	WG812624
Di-n-butyl phthalate	0.000332	J	0.000266	0.00300	0.00300	1	09/03/2015 11:13	WG812624
Diethyl phthalate	U		0.000282	0.00300	0.00300	1	09/03/2015 11:13	WG812624
Dimethyl phthalate	U		0.000283	0.00300	0.00300	1	09/03/2015 11:13	WG812624
Di-n-octyl phthalate	U		0.000278	0.00300	0.00300	1	09/03/2015 11:13	WG812624
Pyrene	U		0.000330	0.00100	0.00100	1	09/03/2015 11:13	WG812624
1,2,4-Trichlorobenzene	U		0.000355	0.0100	0.0100	1	09/03/2015 11:13	WG812624
4-Chloro-3-methylphenol	U		0.000263	0.0100	0.0100	1	09/03/2015 11:13	WG812624
2-Chlorophenol	U		0.000283	0.0100	0.0100	1	09/03/2015 11:13	WG812624
2,4-Dichlorophenol	U		0.000284	0.0100	0.0100	1	09/03/2015 11:13	WG812624
2,4-Dimethylphenol	U		0.000624	0.0100	0.0100	1	09/03/2015 11:13	WG812624
4,6-Dinitro-2-methylphenol	U		0.00262	0.0100	0.0100	1	09/03/2015 11:13	WG812624
2,4-Dinitrophenol	U	J3	0.00325	0.0100	0.0100	1	09/03/2015 11:13	WG812624
2-Nitrophenol	U		0.000320	0.0100	0.0100	1	09/03/2015 11:13	WG812624
2-Nitroaniline	U		0.00190	0.0100	0.0100	1	09/03/2015 11:13	WG812624
2-Methylphenol	U		0.000312	0.0100	0.0100	1	09/03/2015 11:13	WG812624
3&4-Methyl Phenol	U		0.000266	0.0100	0.0100	1	09/03/2015 11:13	WG812624
3-Nitroaniline	U		0.000308	0.0100	0.0100	1	09/03/2015 11:13	WG812624
4-Chloroaniline	U		0.000382	0.0100	0.0100	1	09/03/2015 11:13	WG812624
4-Nitroaniline	U	J4	0.000349	0.0100	0.0100	1	09/03/2015 11:13	WG812624
4-Nitrophenol	U		0.00201	0.0100	0.0100	1	09/03/2015 11:13	WG812624
Pentachlorophenol	U		0.000313	0.0100	0.0100	1	09/03/2015 11:13	WG812624
Phenol	U		0.000334	0.0100	0.0100	1	09/03/2015 11:13	WG812624
2,4,5-Trichlorophenol	U		0.000236	0.0100	0.0100	1	09/03/2015 11:13	WG812624
2,4,6-Trichlorophenol	U		0.000297	0.0100	0.0100	1	09/03/2015 11:13	WG812624
(S) 2-Fluorophenol	61.9				10.0-77.9		09/03/2015 11:13	WG812624
(S) Phenol-d5	41.9				5.00-70.1		09/03/2015 11:13	WG812624
(S) Nitrobenzene-d5	84.8				21.8-123		09/03/2015 11:13	WG812624
(S) 2-Fluorobiphenyl	88.1				29.5-131		09/03/2015 11:13	WG812624
(S) 2,4,6-Tribromophenol	67.4				11.2-130		09/03/2015 11:13	WG812624
(S) p-Terphenyl-d14	83.4				29.3-137		09/03/2015 11:13	WG812624

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 mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0100	1.00	1.00	1	09/05/2015 11:25	WG813608
Benzene	0.00856		0.000331	0.00100	0.00100	1	09/05/2015 11:25	WG813608
Bromodichloromethane	U		0.000380	0.00125	0.00125	1	09/05/2015 11:25	WG813608
Bromoform	U		0.000469	0.00100	0.00100	1	09/05/2015 11:25	WG813608
Bromomethane	U		0.000866	0.00500	0.00500	1	09/05/2015 11:25	WG813608
n-Butylbenzene	U		0.000361	0.00100	0.00100	1	09/05/2015 11:25	WG813608
sec-Butylbenzene	0.00263		0.000365	0.00100	0.00100	1	09/05/2015 11:25	WG813608
tert-Butylbenzene	U		0.000399	0.00100	0.00100	1	09/05/2015 11:25	WG813608
Carbon disulfide	U		0.000275	0.00100	0.00100	1	09/05/2015 11:25	WG813608
Carbon tetrachloride	U		0.000379	0.00100	0.00100	1	09/05/2015 11:25	WG813608
Chlorobenzene	U		0.000348	0.00100	0.00100	1	09/05/2015 11:25	WG813608
Chlorodibromomethane	U		0.000327	0.00100	0.00100	1	09/05/2015 11:25	WG813608
Chloroethane	U		0.000453	0.00500	0.00500	1	09/05/2015 11:25	WG813608
Chloroform	0.000420	J	0.000324	0.00500	0.00500	1	09/05/2015 11:25	WG813608
Chloromethane	U		0.000276	0.00250	0.00250	1	09/05/2015 11:25	WG813608
1,2-Dibromoethane	U		0.000381	0.00100	0.00100	1	09/05/2015 11:25	WG813608
1,1-Dichloroethane	U		0.000259	0.00100	0.00100	1	09/05/2015 11:25	WG813608
1,2-Dichloroethane	U		0.000361	0.00100	0.00100	1	09/05/2015 11:25	WG813608
1,1-Dichloroethene	U		0.000398	0.00100	0.00100	1	09/05/2015 11:25	WG813608
cis-1,2-Dichloroethene	U		0.000260	0.00100	0.00100	1	09/05/2015 11:25	WG813608
trans-1,2-Dichloroethene	U		0.000396	0.00100	0.00100	1	09/05/2015 11:25	WG813608
1,2-Dichloropropane	U		0.000306	0.00100	0.00100	1	09/05/2015 11:25	WG813608
cis-1,3-Dichloropropene	U		0.000418	0.00100	0.00100	1	09/05/2015 11:25	WG813608
trans-1,3-Dichloropropene	U		0.000419	0.00100	0.00100	1	09/05/2015 11:25	WG813608
Ethylbenzene	0.00194		0.000384	0.00100	0.00100	1	09/05/2015 11:25	WG813608
Hexachloro-1,3-butadiene	U		0.000256	0.00100	0.00100	1	09/05/2015 11:25	WG813608
2-Hexanone	U		0.00382	0.0100	0.0100	1	09/05/2015 11:25	WG813608
Isopropylbenzene	0.000710	J	0.000326	0.00100	0.00100	1	09/05/2015 11:25	WG813608
p-Isopropyltoluene	U		0.000350	0.00100	0.00100	1	09/05/2015 11:25	WG813608
2-Butanone (MEK)	U		0.00393	0.0100	0.0100	1	09/05/2015 11:25	WG813608
Methylene Chloride	U		0.00100	0.00500	0.00500	1	09/05/2015 11:25	WG813608
4-Methyl-2-pentanone (MIBK)	U		0.00214	0.0100	0.0100	1	09/05/2015 11:25	WG813608
Methyl tert-butyl ether	U		0.000367	0.00100	0.00100	1	09/05/2015 11:25	WG813608
Naphthalene	U		0.00100	0.00500	0.00500	1	09/05/2015 11:25	WG813608
n-Propylbenzene	U		0.000349	0.00100	0.00100	1	09/05/2015 11:25	WG813608
Styrene	U		0.000307	0.00100	0.00100	1	09/05/2015 11:25	WG813608
1,1,2,2-Tetrachloroethane	U		0.000130	0.00100	0.00100	1	09/05/2015 11:25	WG813608
Tetrachloroethene	U		0.000372	0.00100	0.00100	1	09/05/2015 11:25	WG813608
Toluene	0.00283	J	0.000780	0.00500	0.00500	1	09/05/2015 11:25	WG813608
1,1,1-Trichloroethane	U		0.000319	0.00100	0.00100	1	09/05/2015 11:25	WG813608
1,1,2-Trichloroethane	U		0.000383	0.00100	0.00100	1	09/05/2015 11:25	WG813608
Trichloroethene	U		0.000398	0.00100	0.00100	1	09/05/2015 11:25	WG813608
1,2,4-Trimethylbenzene	0.00208		0.000373	0.00100	0.00100	1	09/05/2015 11:25	WG813608
1,3,5-Trimethylbenzene	0.000847	J	0.000387	0.00100	0.00100	1	09/05/2015 11:25	WG813608
Vinyl chloride	U		0.000259	0.00100	0.00100	1	09/05/2015 11:25	WG813608
Xylenes, Total	0.0158		0.00106	0.00300	0.00300	1	09/05/2015 11:25	WG813608
(S) Toluene-d8	104				90.0-115		09/05/2015 11:25	WG813608
(S) Dibromofluoromethane	95.3				79.0-121		09/05/2015 11:25	WG813608
(S) 4-Bromofluorobenzene	102				80.1-120		09/05/2015 11:25	WG813608

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 mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0100	1.00	1.00	1	09/05/2015 11:45	WG813608
Benzene	0.00922		0.000331	0.00100	0.00100	1	09/05/2015 11:45	WG813608
Bromodichloromethane	U		0.000380	0.00125	0.00125	1	09/05/2015 11:45	WG813608
Bromoform	U		0.000469	0.00100	0.00100	1	09/05/2015 11:45	WG813608
Bromomethane	U		0.000866	0.00500	0.00500	1	09/05/2015 11:45	WG813608
n-Butylbenzene	U		0.000361	0.00100	0.00100	1	09/05/2015 11:45	WG813608
sec-Butylbenzene	0.00299		0.000365	0.00100	0.00100	1	09/05/2015 11:45	WG813608
tert-Butylbenzene	U		0.000399	0.00100	0.00100	1	09/05/2015 11:45	WG813608
Carbon disulfide	U		0.000275	0.00100	0.00100	1	09/05/2015 11:45	WG813608
Carbon tetrachloride	U		0.000379	0.00100	0.00100	1	09/05/2015 11:45	WG813608
Chlorobenzene	U		0.000348	0.00100	0.00100	1	09/05/2015 11:45	WG813608
Chlorodibromomethane	U		0.000327	0.00100	0.00100	1	09/05/2015 11:45	WG813608
Chloroethane	U		0.000453	0.00500	0.00500	1	09/05/2015 11:45	WG813608
Chloroform	0.000467	J	0.000324	0.00500	0.00500	1	09/05/2015 11:45	WG813608
Chloromethane	U		0.000276	0.00250	0.00250	1	09/05/2015 11:45	WG813608
1,2-Dibromoethane	U		0.000381	0.00100	0.00100	1	09/05/2015 11:45	WG813608
1,1-Dichloroethane	U		0.000259	0.00100	0.00100	1	09/05/2015 11:45	WG813608
1,2-Dichloroethane	U		0.000361	0.00100	0.00100	1	09/05/2015 11:45	WG813608
1,1-Dichloroethene	U		0.000398	0.00100	0.00100	1	09/05/2015 11:45	WG813608
cis-1,2-Dichloroethene	U		0.000260	0.00100	0.00100	1	09/05/2015 11:45	WG813608
trans-1,2-Dichloroethene	U		0.000396	0.00100	0.00100	1	09/05/2015 11:45	WG813608
1,2-Dichloropropane	U		0.000306	0.00100	0.00100	1	09/05/2015 11:45	WG813608
cis-1,3-Dichloropropene	U		0.000418	0.00100	0.00100	1	09/05/2015 11:45	WG813608
trans-1,3-Dichloropropene	U		0.000419	0.00100	0.00100	1	09/05/2015 11:45	WG813608
Ethylbenzene	0.00216		0.000384	0.00100	0.00100	1	09/05/2015 11:45	WG813608
Hexachloro-1,3-butadiene	U		0.000256	0.00100	0.00100	1	09/05/2015 11:45	WG813608
2-Hexanone	U		0.00382	0.0100	0.0100	1	09/05/2015 11:45	WG813608
Isopropylbenzene	0.000772	J	0.000326	0.00100	0.00100	1	09/05/2015 11:45	WG813608
p-Isopropyltoluene	U		0.000350	0.00100	0.00100	1	09/05/2015 11:45	WG813608
2-Butanone (MEK)	U		0.00393	0.0100	0.0100	1	09/05/2015 11:45	WG813608
Methylene Chloride	U		0.00100	0.00500	0.00500	1	09/05/2015 11:45	WG813608
4-Methyl-2-pentanone (MIBK)	U		0.00214	0.0100	0.0100	1	09/05/2015 11:45	WG813608
Methyl tert-butyl ether	U		0.000367	0.00100	0.00100	1	09/05/2015 11:45	WG813608
Naphthalene	U		0.00100	0.00500	0.00500	1	09/05/2015 11:45	WG813608
n-Propylbenzene	U		0.000349	0.00100	0.00100	1	09/05/2015 11:45	WG813608
Styrene	U		0.000307	0.00100	0.00100	1	09/05/2015 11:45	WG813608
1,1,2,2-Tetrachloroethane	U		0.000130	0.00100	0.00100	1	09/05/2015 11:45	WG813608
Tetrachloroethene	U		0.000372	0.00100	0.00100	1	09/05/2015 11:45	WG813608
Toluene	0.00305	J	0.000780	0.00500	0.00500	1	09/05/2015 11:45	WG813608
1,1,1-Trichloroethane	U		0.000319	0.00100	0.00100	1	09/05/2015 11:45	WG813608
1,1,2-Trichloroethane	U		0.000383	0.00100	0.00100	1	09/05/2015 11:45	WG813608
Trichloroethene	U		0.000398	0.00100	0.00100	1	09/05/2015 11:45	WG813608
1,2,4-Trimethylbenzene	0.00230		0.000373	0.00100	0.00100	1	09/05/2015 11:45	WG813608
1,3,5-Trimethylbenzene	0.000943	J	0.000387	0.00100	0.00100	1	09/05/2015 11:45	WG813608
Vinyl chloride	U		0.000259	0.00100	0.00100	1	09/05/2015 11:45	WG813608
Xylenes, Total	0.0180		0.00106	0.00300	0.00300	1	09/05/2015 11:45	WG813608
(S) Toluene-d8	104				90.0-115		09/05/2015 11:45	WG813608
(S) Dibromofluoromethane	91.9				79.0-121		09/05/2015 11:45	WG813608
(S) 4-Bromofluorobenzene	101				80.1-120		09/05/2015 11:45	WG813608

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	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Dissolved Solids	479		2.82	10.0	10.0	1	09/02/2015 15:35	WG812599

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Alkalinity	197		2.61	20.0	20.0	1	09/03/2015 08:38	WG812796

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Nitrate-Nitrite	2.32		0.0197	0.100	0.100	1	09/02/2015 15:35	WG812781

Wet Chemistry by Method 9040C

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	su			date / time	
pH	7.54		1	09/02/2015 09:16	WG812617

Sample Narrative:

9040C L786033-21 WG812617: 7.54 at 21.2c

Wet Chemistry by Method 9050A

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	umhos/cm			date / time	
Specific Conductance	584		1	09/02/2015 11:58	WG812843

Wet Chemistry by Method 9056

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Chloride	28.8		0.0519	1.00	1.00	1	09/05/2015 17:38	WG813560
Fluoride	1.26		0.00990	0.100	0.100	1	09/05/2015 17:38	WG813560
Sulfate	63.8		0.0774	5.00	5.00	1	09/05/2015 17:38	WG813560

Mercury by Method 7470A

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Mercury	U		0.0000490	0.000200	0.000200	1	09/01/2015 14:51	WG812697

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Aluminum,Dissolved	U		0.0350	0.200	0.200	1	09/08/2015 12:37	WG812705
Calcium,Dissolved	74.6		0.0463	1.00	1.00	1	09/08/2015 12:37	WG812705
Iron,Dissolved	U		0.0141	0.100	0.100	1	09/08/2015 12:37	WG812705
Magnesium,Dissolved	10.0		0.0111	1.00	1.00	1	09/08/2015 12:37	WG812705
Potassium,Dissolved	2.38		0.102	1.00	1.00	1	09/08/2015 12:37	WG812705
Sodium,Dissolved	37.5		0.0985	1.00	1.00	1	09/08/2015 12:37	WG812705



Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Arsenic,Dissolved	0.00526		0.000250	0.00200	0.00200	1	09/03/2015 08:05	WG812713
Barium,Dissolved	0.0930		0.000360	0.00500	0.00500	1	09/03/2015 08:05	WG812713
Boron,Dissolved	0.157		0.00150	0.0200	0.0200	1	09/03/2015 08:05	WG812713
Cadmium,Dissolved	U		0.000160	0.00100	0.00100	1	09/03/2015 08:05	WG812713
Chromium,Dissolved	U		0.000540	0.00200	0.00200	1	09/03/2015 08:05	WG812713
Copper,Dissolved	U		0.000520	0.00500	0.00500	1	09/03/2015 08:05	WG812713
Cobalt,Dissolved	U		0.000260	0.00200	0.00200	1	09/03/2015 08:05	WG812713
Lead,Dissolved	U		0.000240	0.00200	0.00200	1	09/03/2015 08:05	WG812713
Manganese,Dissolved	0.00114	UL	0.000250	0.00500	0.00500	1	09/03/2015 08:05	WG812713
Molybdenum,Dissolved	0.00319	UL	0.000140	0.00500	0.00500	1	09/03/2015 08:05	WG812713
Nickel,Dissolved	0.000482	UL	0.000350	0.00200	0.00200	1	09/03/2015 08:05	WG812713
Selenium,Dissolved	0.00228		0.000380	0.00200	0.00200	1	09/03/2015 08:05	WG812713
Silver,Dissolved	U		0.000310	0.00200	0.00200	1	09/03/2015 08:05	WG812713
Uranium,Dissolved	0.00168	UL	0.000330	0.0100	0.0100	1	09/03/2015 08:05	WG812713
Zinc,Dissolved	0.00269	UL	0.00256	0.0250	0.0250	1	09/03/2015 08:05	WG812713

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 mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0100	1.00	1.00	1	09/05/2015 12:05	WG813608
Benzene	U		0.000331	0.00100	0.00100	1	09/05/2015 12:05	WG813608
Bromodichloromethane	U		0.000380	0.00125	0.00125	1	09/05/2015 12:05	WG813608
Bromoform	U		0.000469	0.00100	0.00100	1	09/05/2015 12:05	WG813608
Bromomethane	U		0.000866	0.00500	0.00500	1	09/05/2015 12:05	WG813608
n-Butylbenzene	U		0.000361	0.00100	0.00100	1	09/05/2015 12:05	WG813608
sec-Butylbenzene	U		0.000365	0.00100	0.00100	1	09/05/2015 12:05	WG813608
tert-Butylbenzene	U		0.000399	0.00100	0.00100	1	09/05/2015 12:05	WG813608
Carbon disulfide	U		0.000275	0.00100	0.00100	1	09/05/2015 12:05	WG813608
Carbon tetrachloride	U		0.000379	0.00100	0.00100	1	09/05/2015 12:05	WG813608
Chlorobenzene	U		0.000348	0.00100	0.00100	1	09/05/2015 12:05	WG813608
Chlorodibromomethane	U		0.000327	0.00100	0.00100	1	09/05/2015 12:05	WG813608
Chloroethane	U		0.000453	0.00500	0.00500	1	09/05/2015 12:05	WG813608
Chloroform	U		0.000324	0.00500	0.00500	1	09/05/2015 12:05	WG813608
Chloromethane	U		0.000276	0.00250	0.00250	1	09/05/2015 12:05	WG813608
1,2-Dibromoethane	U		0.000381	0.00100	0.00100	1	09/05/2015 12:05	WG813608
1,1-Dichloroethane	U		0.000259	0.00100	0.00100	1	09/05/2015 12:05	WG813608
1,2-Dichloroethane	U		0.000361	0.00100	0.00100	1	09/05/2015 12:05	WG813608
1,1-Dichloroethene	U		0.000398	0.00100	0.00100	1	09/05/2015 12:05	WG813608
cis-1,2-Dichloroethene	U		0.000260	0.00100	0.00100	1	09/05/2015 12:05	WG813608
trans-1,2-Dichloroethene	U		0.000396	0.00100	0.00100	1	09/05/2015 12:05	WG813608
1,2-Dichloropropane	U		0.000306	0.00100	0.00100	1	09/05/2015 12:05	WG813608
cis-1,3-Dichloropropene	U		0.000418	0.00100	0.00100	1	09/05/2015 12:05	WG813608
trans-1,3-Dichloropropene	U		0.000419	0.00100	0.00100	1	09/05/2015 12:05	WG813608
Ethylbenzene	U		0.000384	0.00100	0.00100	1	09/05/2015 12:05	WG813608
Hexachloro-1,3-butadiene	U		0.000256	0.00100	0.00100	1	09/05/2015 12:05	WG813608
2-Hexanone	U		0.00382	0.0100	0.0100	1	09/05/2015 12:05	WG813608
Isopropylbenzene	U		0.000326	0.00100	0.00100	1	09/05/2015 12:05	WG813608
p-Isopropyltoluene	U		0.000350	0.00100	0.00100	1	09/05/2015 12:05	WG813608
2-Butanone (MEK)	U		0.00393	0.0100	0.0100	1	09/05/2015 12:05	WG813608
Methylene Chloride	U		0.00100	0.00500	0.00500	1	09/05/2015 12:05	WG813608
4-Methyl-2-pentanone (MIBK)	U		0.00214	0.0100	0.0100	1	09/05/2015 12:05	WG813608
Methyl tert-butyl ether	U		0.000367	0.00100	0.00100	1	09/05/2015 12:05	WG813608
Naphthalene	U		0.00100	0.00500	0.00500	1	09/05/2015 12:05	WG813608
n-Propylbenzene	U		0.000349	0.00100	0.00100	1	09/05/2015 12:05	WG813608
Styrene	U		0.000307	0.00100	0.00100	1	09/05/2015 12:05	WG813608
1,1,2,2-Tetrachloroethane	U		0.000130	0.00100	0.00100	1	09/05/2015 12:05	WG813608

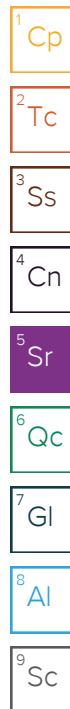


Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Tetrachloroethene	U		0.000372	0.00100	0.00100	1	09/05/2015 12:05	WG813608
Toluene	U		0.000780	0.00500	0.00500	1	09/05/2015 12:05	WG813608
1,1,1-Trichloroethane	U		0.000319	0.00100	0.00100	1	09/05/2015 12:05	WG813608
1,1,2-Trichloroethane	U		0.000383	0.00100	0.00100	1	09/05/2015 12:05	WG813608
Trichloroethene	U		0.000398	0.00100	0.00100	1	09/05/2015 12:05	WG813608
1,2,4-Trimethylbenzene	U		0.000373	0.00100	0.00100	1	09/05/2015 12:05	WG813608
1,3,5-Trimethylbenzene	U		0.000387	0.00100	0.00100	1	09/05/2015 12:05	WG813608
Vinyl chloride	U		0.000259	0.00100	0.00100	1	09/05/2015 12:05	WG813608
Xylenes, Total	U		0.00106	0.00300	0.00300	1	09/05/2015 12:05	WG813608
(S) Toluene-d8	102				90.0-115		09/05/2015 12:05	WG813608
(S) Dibromofluoromethane	94.8				79.0-121		09/05/2015 12:05	WG813608
(S) 4-Bromofluorobenzene	98.5				80.1-120		09/05/2015 12:05	WG813608

Semi Volatile Organic Compounds (GC/MS) by Method 8270 C

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.000316	0.00100	0.00100	1	09/03/2015 11:36	WG812624
Acenaphthylene	U		0.000309	0.00100	0.00100	1	09/03/2015 11:36	WG812624
Acetophenone	U		0.00247	0.0100	0.0100	1	09/03/2015 11:36	WG812624
Anthracene	U		0.000291	0.00100	0.00100	1	09/03/2015 11:36	WG812624
Atrazine	U		0.000260	0.0100	0.0100	1	09/03/2015 11:36	WG812624
Benzo(a)anthracene	U		0.0000510	0.00100	0.00100	1	09/03/2015 11:36	WG812624
Benzaldehyde	U	J3	0.00140	0.0100	0.0100	1	09/03/2015 11:36	WG812624
Benzo(b)fluoranthene	U		0.0000896	0.00100	0.00100	1	09/03/2015 11:36	WG812624
Benzo(k)fluoranthene	U		0.000355	0.00100	0.00100	1	09/03/2015 11:36	WG812624
Benzo(g,h,i)perylene	U		0.00000227	0.00100	0.00100	1	09/03/2015 11:36	WG812624
Benzo(a)pyrene	U		0.0000381	0.000200	0.000200	1	09/03/2015 11:36	WG812624
Biphenyl	U		0.000325	0.0100	0.0100	1	09/03/2015 11:36	WG812624
Bis(2-chlorethoxy)methane	U		0.000329	0.0100	0.0100	1	09/03/2015 11:36	WG812624
Bis(2-chloroethyl)ether	U		0.00162	0.0100	0.0100	1	09/03/2015 11:36	WG812624
Bis(2-chloroisopropyl)ether	U		0.000445	0.0100	0.0100	1	09/03/2015 11:36	WG812624
4-Bromophenyl-phenylether	U		0.000335	0.0100	0.0100	1	09/03/2015 11:36	WG812624
2-Chloronaphthalene	U		0.000330	0.00100	0.00100	1	09/03/2015 11:36	WG812624
4-Chlorophenyl-phenylether	U		0.000303	0.0100	0.0100	1	09/03/2015 11:36	WG812624
Caprolactam	U		0.00259	0.0100	0.0100	1	09/03/2015 11:36	WG812624
Carbazole	U		0.000260	0.0100	0.0100	1	09/03/2015 11:36	WG812624
Chrysene	U		0.000332	0.00100	0.00100	1	09/03/2015 11:36	WG812624
Dibenz(a,h)anthracene	U		0.0000644	0.000200	0.000200	1	09/03/2015 11:36	WG812624
Dibenzofuran	U		0.000338	0.0100	0.0100	1	09/03/2015 11:36	WG812624
3,3-Dichlorobenzidine	U		0.00202	0.0100	0.0100	1	09/03/2015 11:36	WG812624
2,4-Dinitrotoluene	U		0.00165	0.0100	0.0100	1	09/03/2015 11:36	WG812624
2,6-Dinitrotoluene	U		0.000279	0.0100	0.0100	1	09/03/2015 11:36	WG812624
Fluoranthene	U		0.000310	0.00100	0.00100	1	09/03/2015 11:36	WG812624
Fluorene	U		0.000323	0.00100	0.00100	1	09/03/2015 11:36	WG812624
Hexachlorobenzene	U		0.000341	0.00100	0.00100	1	09/03/2015 11:36	WG812624
Hexachloro-1,3-butadiene	U		0.000329	0.0100	0.0100	1	09/03/2015 11:36	WG812624
Hexachlorocyclopentadiene	U		0.00233	0.0100	0.0100	1	09/03/2015 11:36	WG812624
Hexachloroethane	U		0.000365	0.0100	0.0100	1	09/03/2015 11:36	WG812624
Indeno(1,2,3-cd)pyrene	U		0.000279	0.00100	0.00100	1	09/03/2015 11:36	WG812624
Isophorone	U		0.000272	0.0100	0.0100	1	09/03/2015 11:36	WG812624
1-Methylnaphthalene	U		0.000332	0.00100	0.00100	1	09/03/2015 11:36	WG812624
2-Methylnaphthalene	U		0.000311	0.00100	0.00100	1	09/03/2015 11:36	WG812624
Naphthalene	U		0.000372	0.00100	0.00100	1	09/03/2015 11:36	WG812624
Nitrobenzene	U		0.000367	0.0100	0.0100	1	09/03/2015 11:36	WG812624
n-Nitrosodiphenylamine	U		0.000304	0.0100	0.0100	1	09/03/2015 11:36	WG812624
n-Nitrosodi-n-propylamine	U		0.000403	0.0100	0.0100	1	09/03/2015 11:36	WG812624





Collected date/time: 08/28/15 10:54

L786033

Semi Volatile Organic Compounds (GC/MS) by Method 8270 C

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Phenanthrene	U		0.000366	0.00100	0.00100	1	09/03/2015 11:36	WG812624
Benzylbutyl phthalate	U		0.000275	0.00300	0.00300	1	09/03/2015 11:36	WG812624
Bis(2-ethylhexyl)phthalate	0.00315		0.000709	0.00300	0.00300	1	09/03/2015 11:36	WG812624
Di-n-butyl phthalate	0.000598	J	0.000266	0.00300	0.00300	1	09/03/2015 11:36	WG812624
Diethyl phthalate	U		0.000282	0.00300	0.00300	1	09/03/2015 11:36	WG812624
Dimethyl phthalate	U		0.000283	0.00300	0.00300	1	09/03/2015 11:36	WG812624
Di-n-octyl phthalate	U		0.000278	0.00300	0.00300	1	09/03/2015 11:36	WG812624
Pyrene	U		0.000330	0.00100	0.00100	1	09/03/2015 11:36	WG812624
1,2,4-Trichlorobenzene	U		0.000355	0.0100	0.0100	1	09/03/2015 11:36	WG812624
4-Chloro-3-methylphenol	U		0.000263	0.0100	0.0100	1	09/03/2015 11:36	WG812624
2-Chlorophenol	U		0.000283	0.0100	0.0100	1	09/03/2015 11:36	WG812624
2,4-Dichlorophenol	U		0.000284	0.0100	0.0100	1	09/03/2015 11:36	WG812624
2,4-Dimethylphenol	U		0.000624	0.0100	0.0100	1	09/03/2015 11:36	WG812624
4,6-Dinitro-2-methylphenol	U		0.00262	0.0100	0.0100	1	09/03/2015 11:36	WG812624
2,4-Dinitrophenol	U	J3	0.00325	0.0100	0.0100	1	09/03/2015 11:36	WG812624
2-Nitrophenol	U		0.000320	0.0100	0.0100	1	09/03/2015 11:36	WG812624
2-Nitroaniline	U		0.00190	0.0100	0.0100	1	09/03/2015 11:36	WG812624
2-Methylphenol	U		0.000312	0.0100	0.0100	1	09/03/2015 11:36	WG812624
3&4-Methyl Phenol	U		0.000266	0.0100	0.0100	1	09/03/2015 11:36	WG812624
3-Nitroaniline	U		0.000308	0.0100	0.0100	1	09/03/2015 11:36	WG812624
4-Chloroaniline	U		0.000382	0.0100	0.0100	1	09/03/2015 11:36	WG812624
4-Nitroaniline	U	J4	0.000349	0.0100	0.0100	1	09/03/2015 11:36	WG812624
4-Nitrophenol	U		0.00201	0.0100	0.0100	1	09/03/2015 11:36	WG812624
Pentachlorophenol	U		0.000313	0.0100	0.0100	1	09/03/2015 11:36	WG812624
Phenol	U		0.000334	0.0100	0.0100	1	09/03/2015 11:36	WG812624
2,4,5-Trichlorophenol	U		0.000236	0.0100	0.0100	1	09/03/2015 11:36	WG812624
2,4,6-Trichlorophenol	U		0.000297	0.0100	0.0100	1	09/03/2015 11:36	WG812624
(S) 2-Fluorophenol	40.6				10.0-77.9		09/03/2015 11:36	WG812624
(S) Phenol-d5	30.4				5.00-70.1		09/03/2015 11:36	WG812624
(S) Nitrobenzene-d5	66.6				21.8-123		09/03/2015 11:36	WG812624
(S) 2-Fluorobiphenyl	69.2				29.5-131		09/03/2015 11:36	WG812624
(S) 2,4,6-Tribromophenol	52.6				11.2-130		09/03/2015 11:36	WG812624
(S) p-Terphenyl-d14	67.0				29.3-137		09/03/2015 11:36	WG812624

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	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Dissolved Solids	525		2.82	10.0	10.0	1	09/02/2015 15:35	WG812599

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Alkalinity	186		2.61	20.0	20.0	1	09/03/2015 08:38	WG812796

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Nitrate-Nitrite	3.97		0.0197	0.100	0.100	1	09/03/2015 11:40	WG813064

Wet Chemistry by Method 9040C

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	su			date / time	
pH	7.57		1	09/02/2015 09:16	WG812617

Sample Narrative:

9040C L786033-22 WG812617: 7.57 at 20.8c

Wet Chemistry by Method 9050A

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	umhos/cm			date / time	
Specific Conductance	759		1	09/02/2015 11:58	WG812843

Wet Chemistry by Method 9056

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Chloride	83.6		0.156	1.00	3.00	3	09/05/2015 17:54	WG813560
Fluoride	1.61		0.0297	0.100	0.300	3	09/05/2015 17:54	WG813560
Sulfate	86.2		0.232	5.00	15.0	3	09/05/2015 17:54	WG813560

Mercury by Method 7470A

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Mercury	U		0.0000490	0.000200	0.000200	1	09/01/2015 14:53	WG812697

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Aluminum,Dissolved	U		0.0350	0.200	0.200	1	09/08/2015 12:40	WG812705
Calcium,Dissolved	98.8		0.0463	1.00	1.00	1	09/08/2015 12:40	WG812705
Iron,Dissolved	U		0.0141	0.100	0.100	1	09/08/2015 12:40	WG812705
Magnesium,Dissolved	14.4		0.0111	1.00	1.00	1	09/08/2015 12:40	WG812705
Potassium,Dissolved	2.28		0.102	1.00	1.00	1	09/08/2015 12:40	WG812705
Sodium,Dissolved	41.1		0.0985	1.00	1.00	1	09/08/2015 12:40	WG812705

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Arsenic,Dissolved	0.00478		0.000250	0.00200	0.00200	1	09/03/2015 08:07	WG812713
Barium,Dissolved	0.0757		0.000360	0.00500	0.00500	1	09/03/2015 08:07	WG812713
Boron,Dissolved	0.163		0.00150	0.0200	0.0200	1	09/03/2015 08:07	WG812713
Cadmium,Dissolved	U		0.000160	0.00100	0.00100	1	09/03/2015 08:07	WG812713
Chromium,Dissolved	U		0.000540	0.00200	0.00200	1	09/03/2015 08:07	WG812713
Copper,Dissolved	0.000922	U	0.000520	0.00500	0.00500	1	09/03/2015 08:07	WG812713
Cobalt,Dissolved	U		0.000260	0.00200	0.00200	1	09/03/2015 08:07	WG812713
Lead,Dissolved	U		0.000240	0.00200	0.00200	1	09/03/2015 08:07	WG812713
Manganese,Dissolved	0.00315	U	0.000250	0.00500	0.00500	1	09/03/2015 08:07	WG812713
Molybdenum,Dissolved	0.00248	U	0.000140	0.00500	0.00500	1	09/03/2015 08:07	WG812713
Nickel,Dissolved	0.00109	U	0.000350	0.00200	0.00200	1	09/03/2015 08:07	WG812713
Selenium,Dissolved	0.00177	U	0.000380	0.00200	0.00200	1	09/03/2015 08:07	WG812713
Silver,Dissolved	U		0.000310	0.00200	0.00200	1	09/03/2015 08:07	WG812713
Uranium,Dissolved	0.00203	U	0.000330	0.0100	0.0100	1	09/03/2015 08:07	WG812713
Zinc,Dissolved	U		0.00256	0.0250	0.0250	1	09/03/2015 08:07	WG812713

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 mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0100	1.00	1.00	1	09/05/2015 11:21	WG813609
Benzene	U		0.000331	0.00100	0.00100	1	09/05/2015 11:21	WG813609
Bromodichloromethane	U		0.000380	0.00125	0.00125	1	09/05/2015 11:21	WG813609
Bromoform	U		0.000469	0.00100	0.00100	1	09/05/2015 11:21	WG813609
Bromomethane	U		0.000866	0.00500	0.00500	1	09/05/2015 11:21	WG813609
n-Butylbenzene	U		0.000361	0.00100	0.00100	1	09/05/2015 11:21	WG813609
sec-Butylbenzene	U		0.000365	0.00100	0.00100	1	09/05/2015 11:21	WG813609
tert-Butylbenzene	U		0.000399	0.00100	0.00100	1	09/05/2015 11:21	WG813609
Carbon disulfide	U		0.000275	0.00100	0.00100	1	09/05/2015 11:21	WG813609
Carbon tetrachloride	U		0.000379	0.00100	0.00100	1	09/05/2015 11:21	WG813609
Chlorobenzene	U		0.000348	0.00100	0.00100	1	09/05/2015 11:21	WG813609
Chlorodibromomethane	U		0.000327	0.00100	0.00100	1	09/05/2015 11:21	WG813609
Chloroethane	U		0.000453	0.00500	0.00500	1	09/05/2015 11:21	WG813609
Chloroform	0.000887	U	0.000324	0.00500	0.00500	1	09/05/2015 11:21	WG813609
Chloromethane	U		0.000276	0.00250	0.00250	1	09/05/2015 11:21	WG813609
1,2-Dibromoethane	U		0.000381	0.00100	0.00100	1	09/05/2015 11:21	WG813609
1,1-Dichloroethane	U		0.000259	0.00100	0.00100	1	09/05/2015 11:21	WG813609
1,2-Dichloroethane	U		0.000361	0.00100	0.00100	1	09/05/2015 11:21	WG813609
1,1-Dichloroethene	U		0.000398	0.00100	0.00100	1	09/05/2015 11:21	WG813609
cis-1,2-Dichloroethene	U		0.000260	0.00100	0.00100	1	09/05/2015 11:21	WG813609
trans-1,2-Dichloroethene	U		0.000396	0.00100	0.00100	1	09/05/2015 11:21	WG813609
1,2-Dichloropropane	U		0.000306	0.00100	0.00100	1	09/05/2015 11:21	WG813609
cis-1,3-Dichloropropene	U		0.000418	0.00100	0.00100	1	09/05/2015 11:21	WG813609
trans-1,3-Dichloropropene	U		0.000419	0.00100	0.00100	1	09/05/2015 11:21	WG813609
Ethylbenzene	U		0.000384	0.00100	0.00100	1	09/05/2015 11:21	WG813609
Hexachloro-1,3-butadiene	U		0.000256	0.00100	0.00100	1	09/05/2015 11:21	WG813609
2-Hexanone	U		0.00382	0.0100	0.0100	1	09/05/2015 11:21	WG813609
Isopropylbenzene	U		0.000326	0.00100	0.00100	1	09/05/2015 11:21	WG813609
p-Isopropyltoluene	U		0.000350	0.00100	0.00100	1	09/05/2015 11:21	WG813609
2-Butanone (MEK)	U		0.00393	0.0100	0.0100	1	09/05/2015 11:21	WG813609
Methylene Chloride	U		0.00100	0.00500	0.00500	1	09/05/2015 11:21	WG813609
4-Methyl-2-pentanone (MIBK)	U		0.00214	0.0100	0.0100	1	09/05/2015 11:21	WG813609
Methyl tert-butyl ether	U		0.000367	0.00100	0.00100	1	09/05/2015 11:21	WG813609
Naphthalene	U		0.00100	0.00500	0.00500	1	09/05/2015 11:21	WG813609
n-Propylbenzene	U		0.000349	0.00100	0.00100	1	09/05/2015 11:21	WG813609
Styrene	U		0.000307	0.00100	0.00100	1	09/05/2015 11:21	WG813609
1,1,2,2-Tetrachloroethane	U		0.000130	0.00100	0.00100	1	09/05/2015 11:21	WG813609



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

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Tetrachloroethene	U		0.000372	0.00100	0.00100	1	09/05/2015 11:21	WG813609
Toluene	U		0.000780	0.00500	0.00500	1	09/05/2015 11:21	WG813609
1,1,1-Trichloroethane	U		0.000319	0.00100	0.00100	1	09/05/2015 11:21	WG813609
1,1,2-Trichloroethane	U		0.000383	0.00100	0.00100	1	09/05/2015 11:21	WG813609
Trichloroethene	U		0.000398	0.00100	0.00100	1	09/05/2015 11:21	WG813609
1,2,4-Trimethylbenzene	U		0.000373	0.00100	0.00100	1	09/05/2015 11:21	WG813609
1,3,5-Trimethylbenzene	U		0.000387	0.00100	0.00100	1	09/05/2015 11:21	WG813609
Vinyl chloride	U		0.000259	0.00100	0.00100	1	09/05/2015 11:21	WG813609
Xylenes, Total	0.00142	J	0.00106	0.00300	0.00300	1	09/05/2015 11:21	WG813609
(S) Toluene-d8	100				90.0-115		09/05/2015 11:21	WG813609
(S) Dibromofluoromethane	102				79.0-121		09/05/2015 11:21	WG813609
(S) 4-Bromofluorobenzene	93.0				80.1-120		09/05/2015 11:21	WG813609

Semi Volatile Organic Compounds (GC/MS) by Method 8270 C

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.000316	0.00100	0.00100	1	09/03/2015 12:00	WG812624
Acenaphthylene	U		0.000309	0.00100	0.00100	1	09/03/2015 12:00	WG812624
Acetophenone	U		0.00247	0.0100	0.0100	1	09/03/2015 12:00	WG812624
Anthracene	U		0.000291	0.00100	0.00100	1	09/03/2015 12:00	WG812624
Atrazine	U		0.000260	0.0100	0.0100	1	09/03/2015 12:00	WG812624
Benzo(a)anthracene	U		0.0000510	0.00100	0.00100	1	09/03/2015 12:00	WG812624
Benzaldehyde	U	J3	0.00140	0.0100	0.0100	1	09/03/2015 12:00	WG812624
Benzo(b)fluoranthene	U		0.0000896	0.00100	0.00100	1	09/03/2015 12:00	WG812624
Benzo(k)fluoranthene	U		0.000355	0.00100	0.00100	1	09/03/2015 12:00	WG812624
Benzo(g,h,i)perylene	U		0.00000227	0.00100	0.00100	1	09/03/2015 12:00	WG812624
Benzo(a)pyrene	U		0.0000381	0.000200	0.000200	1	09/03/2015 12:00	WG812624
Biphenyl	U		0.000325	0.0100	0.0100	1	09/03/2015 12:00	WG812624
Bis(2-chlorethoxy)methane	U		0.000329	0.0100	0.0100	1	09/03/2015 12:00	WG812624
Bis(2-chloroethyl)ether	U		0.00162	0.0100	0.0100	1	09/03/2015 12:00	WG812624
Bis(2-chloroisopropyl)ether	U		0.000445	0.0100	0.0100	1	09/03/2015 12:00	WG812624
4-Bromophenyl-phenylether	U		0.000335	0.0100	0.0100	1	09/03/2015 12:00	WG812624
2-Chloronaphthalene	U		0.000330	0.00100	0.00100	1	09/03/2015 12:00	WG812624
4-Chlorophenyl-phenylether	U		0.000303	0.0100	0.0100	1	09/03/2015 12:00	WG812624
Caprolactam	U		0.00259	0.0100	0.0100	1	09/03/2015 12:00	WG812624
Carbazole	U		0.000260	0.0100	0.0100	1	09/03/2015 12:00	WG812624
Chrysene	U		0.000332	0.00100	0.00100	1	09/03/2015 12:00	WG812624
Dibenz(a,h)anthracene	U		0.0000644	0.000200	0.000200	1	09/03/2015 12:00	WG812624
Dibenzofuran	U		0.000338	0.0100	0.0100	1	09/03/2015 12:00	WG812624
3,3-Dichlorobenzidine	U		0.00202	0.0100	0.0100	1	09/03/2015 12:00	WG812624
2,4-Dinitrotoluene	U		0.00165	0.0100	0.0100	1	09/03/2015 12:00	WG812624
2,6-Dinitrotoluene	U		0.000279	0.0100	0.0100	1	09/03/2015 12:00	WG812624
Fluoranthene	U		0.000310	0.00100	0.00100	1	09/03/2015 12:00	WG812624
Fluorene	U		0.000323	0.00100	0.00100	1	09/03/2015 12:00	WG812624
Hexachlorobenzene	U		0.000341	0.00100	0.00100	1	09/03/2015 12:00	WG812624
Hexachloro-1,3-butadiene	U		0.000329	0.0100	0.0100	1	09/03/2015 12:00	WG812624
Hexachlorocyclopentadiene	U		0.00233	0.0100	0.0100	1	09/03/2015 12:00	WG812624
Hexachloroethane	U		0.000365	0.0100	0.0100	1	09/03/2015 12:00	WG812624
Indeno(1,2,3-cd)pyrene	U		0.000279	0.00100	0.00100	1	09/03/2015 12:00	WG812624
Isophorone	U		0.000272	0.0100	0.0100	1	09/03/2015 12:00	WG812624
1-Methylnaphthalene	U		0.000332	0.00100	0.00100	1	09/03/2015 12:00	WG812624
2-Methylnaphthalene	U		0.000311	0.00100	0.00100	1	09/03/2015 12:00	WG812624
Naphthalene	U		0.000372	0.00100	0.00100	1	09/03/2015 12:00	WG812624
Nitrobenzene	U		0.000367	0.0100	0.0100	1	09/03/2015 12:00	WG812624
n-Nitrosodiphenylamine	U		0.000304	0.0100	0.0100	1	09/03/2015 12:00	WG812624
n-Nitrosodi-n-propylamine	U		0.000403	0.0100	0.0100	1	09/03/2015 12:00	WG812624

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Collected date/time: 08/28/15 11:55

L786033

Semi Volatile Organic Compounds (GC/MS) by Method 8270 C

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Phenanthrene	U		0.000366	0.00100	0.00100	1	09/03/2015 12:00	WG812624
Benzylbutyl phthalate	U		0.000275	0.00300	0.00300	1	09/03/2015 12:00	WG812624
Bis(2-ethylhexyl)phthalate	0.00131	J	0.000709	0.00300	0.00300	1	09/03/2015 12:00	WG812624
Di-n-butyl phthalate	U		0.000266	0.00300	0.00300	1	09/03/2015 12:00	WG812624
Diethyl phthalate	U		0.000282	0.00300	0.00300	1	09/03/2015 12:00	WG812624
Dimethyl phthalate	U		0.000283	0.00300	0.00300	1	09/03/2015 12:00	WG812624
Di-n-octyl phthalate	U		0.000278	0.00300	0.00300	1	09/03/2015 12:00	WG812624
Pyrene	U		0.000330	0.00100	0.00100	1	09/03/2015 12:00	WG812624
1,2,4-Trichlorobenzene	U		0.000355	0.0100	0.0100	1	09/03/2015 12:00	WG812624
4-Chloro-3-methylphenol	U		0.000263	0.0100	0.0100	1	09/03/2015 12:00	WG812624
2-Chlorophenol	U		0.000283	0.0100	0.0100	1	09/03/2015 12:00	WG812624
2,4-Dichlorophenol	U		0.000284	0.0100	0.0100	1	09/03/2015 12:00	WG812624
2,4-Dimethylphenol	U		0.000624	0.0100	0.0100	1	09/03/2015 12:00	WG812624
4,6-Dinitro-2-methylphenol	U		0.00262	0.0100	0.0100	1	09/03/2015 12:00	WG812624
2,4-Dinitrophenol	U	J3	0.00325	0.0100	0.0100	1	09/03/2015 12:00	WG812624
2-Nitrophenol	U		0.000320	0.0100	0.0100	1	09/03/2015 12:00	WG812624
2-Nitroaniline	U		0.00190	0.0100	0.0100	1	09/03/2015 12:00	WG812624
2-Methylphenol	U		0.000312	0.0100	0.0100	1	09/03/2015 12:00	WG812624
3&4-Methyl Phenol	U		0.000266	0.0100	0.0100	1	09/03/2015 12:00	WG812624
3-Nitroaniline	U		0.000308	0.0100	0.0100	1	09/03/2015 12:00	WG812624
4-Chloroaniline	U		0.000382	0.0100	0.0100	1	09/03/2015 12:00	WG812624
4-Nitroaniline	U	J4	0.000349	0.0100	0.0100	1	09/03/2015 12:00	WG812624
4-Nitrophenol	U		0.00201	0.0100	0.0100	1	09/03/2015 12:00	WG812624
Pentachlorophenol	U		0.000313	0.0100	0.0100	1	09/03/2015 12:00	WG812624
Phenol	U		0.000334	0.0100	0.0100	1	09/03/2015 12:00	WG812624
2,4,5-Trichlorophenol	U		0.000236	0.0100	0.0100	1	09/03/2015 12:00	WG812624
2,4,6-Trichlorophenol	U		0.000297	0.0100	0.0100	1	09/03/2015 12:00	WG812624
(S) 2-Fluorophenol	58.7				10.0-77.9		09/03/2015 12:00	WG812624
(S) Phenol-d5	39.1				5.00-70.1		09/03/2015 12:00	WG812624
(S) Nitrobenzene-d5	81.5				21.8-123		09/03/2015 12:00	WG812624
(S) 2-Fluorobiphenyl	75.6				29.5-131		09/03/2015 12:00	WG812624
(S) 2,4,6-Tribromophenol	64.1				11.2-130		09/03/2015 12:00	WG812624
(S) p-Terphenyl-d14	78.4				29.3-137		09/03/2015 12:00	WG812624

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	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Dissolved Solids	1000		2.82	10.0	10.0	1	09/02/2015 15:45	WG812601

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Alkalinity	237		2.61	20.0	20.0	1	09/03/2015 08:38	WG812796

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Nitrate-Nitrite	8.33		0.0197	0.100	0.100	1	09/03/2015 11:41	WG813064

Wet Chemistry by Method 9040C

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	su			date / time	
pH	7.28		1	09/02/2015 09:16	WG812617

Sample Narrative:

9040C L786033-23 WG812617: 7.28 at 20.8c

Wet Chemistry by Method 9050A

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	umhos/cm			date / time	
Specific Conductance	1340		1	09/02/2015 11:58	WG812843

Wet Chemistry by Method 9056

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Chloride	343		0.260	1.00	5.00	5	09/05/2015 18:11	WG813560
Fluoride	1.41		0.0495	0.100	0.500	5	09/05/2015 18:11	WG813560
Sulfate	152		0.387	5.00	25.0	5	09/05/2015 18:11	WG813560

Mercury by Method 7470A

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Mercury	U		0.0000490	0.000200	0.000200	1	09/01/2015 14:55	WG812697

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Aluminum,Dissolved	U		0.0350	0.200	0.200	1	09/02/2015 18:21	WG812707
Calcium,Dissolved	160		0.0463	1.00	1.00	1	09/02/2015 18:21	WG812707
Iron,Dissolved	U		0.0141	0.100	0.100	1	09/02/2015 18:21	WG812707
Magnesium,Dissolved	19.4		0.0111	1.00	1.00	1	09/02/2015 18:21	WG812707
Potassium,Dissolved	2.88		0.102	1.00	1.00	1	09/02/2015 18:21	WG812707
Sodium,Dissolved	97.2		0.0985	1.00	1.00	1	09/02/2015 18:21	WG812707



Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Arsenic,Dissolved	0.00355		0.000250	0.00200	0.00200	1	09/03/2015 08:09	WG812713
Barium,Dissolved	0.111		0.000360	0.00500	0.00500	1	09/03/2015 08:09	WG812713
Boron,Dissolved	0.213		0.00150	0.0200	0.0200	1	09/03/2015 08:09	WG812713
Cadmium,Dissolved	U		0.000160	0.00100	0.00100	1	09/03/2015 08:09	WG812713
Chromium,Dissolved	0.000625	UL	0.000540	0.00200	0.00200	1	09/03/2015 08:09	WG812713
Copper,Dissolved	0.000548	UL	0.000520	0.00500	0.00500	1	09/03/2015 08:09	WG812713
Cobalt,Dissolved	U		0.000260	0.00200	0.00200	1	09/03/2015 08:09	WG812713
Lead,Dissolved	U		0.000240	0.00200	0.00200	1	09/03/2015 08:09	WG812713
Manganese,Dissolved	0.000533	UL	0.000250	0.00500	0.00500	1	09/03/2015 08:09	WG812713
Molybdenum,Dissolved	0.00254	UL	0.000140	0.00500	0.00500	1	09/03/2015 08:09	WG812713
Nickel,Dissolved	0.00115	UL	0.000350	0.00200	0.00200	1	09/03/2015 08:09	WG812713
Selenium,Dissolved	0.00147	UL	0.000380	0.00200	0.00200	1	09/03/2015 08:09	WG812713
Silver,Dissolved	U		0.000310	0.00200	0.00200	1	09/03/2015 08:09	WG812713
Uranium,Dissolved	0.00340	UL	0.000330	0.0100	0.0100	1	09/03/2015 08:09	WG812713
Zinc,Dissolved	0.00382	UL	0.00256	0.0250	0.0250	1	09/03/2015 08:09	WG812713

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 mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0100	1.00	1.00	1	09/05/2015 11:41	WG813609
Benzene	U		0.000331	0.00100	0.00100	1	09/05/2015 11:41	WG813609
Bromodichloromethane	U		0.000380	0.00125	0.00125	1	09/05/2015 11:41	WG813609
Bromoform	U		0.000469	0.00100	0.00100	1	09/05/2015 11:41	WG813609
Bromomethane	U		0.000866	0.00500	0.00500	1	09/05/2015 11:41	WG813609
n-Butylbenzene	U		0.000361	0.00100	0.00100	1	09/05/2015 11:41	WG813609
sec-Butylbenzene	U		0.000365	0.00100	0.00100	1	09/05/2015 11:41	WG813609
tert-Butylbenzene	U		0.000399	0.00100	0.00100	1	09/05/2015 11:41	WG813609
Carbon disulfide	U		0.000275	0.00100	0.00100	1	09/05/2015 11:41	WG813609
Carbon tetrachloride	U		0.000379	0.00100	0.00100	1	09/05/2015 11:41	WG813609
Chlorobenzene	U		0.000348	0.00100	0.00100	1	09/05/2015 11:41	WG813609
Chlorodibromomethane	U		0.000327	0.00100	0.00100	1	09/05/2015 11:41	WG813609
Chloroethane	U		0.000453	0.00500	0.00500	1	09/05/2015 11:41	WG813609
Chloroform	0.000696	UL	0.000324	0.00500	0.00500	1	09/05/2015 11:41	WG813609
Chloromethane	U		0.000276	0.00250	0.00250	1	09/05/2015 11:41	WG813609
1,2-Dibromoethane	U		0.000381	0.00100	0.00100	1	09/05/2015 11:41	WG813609
1,1-Dichloroethane	U		0.000259	0.00100	0.00100	1	09/05/2015 11:41	WG813609
1,2-Dichloroethane	U		0.000361	0.00100	0.00100	1	09/05/2015 11:41	WG813609
1,1-Dichloroethene	U		0.000398	0.00100	0.00100	1	09/05/2015 11:41	WG813609
cis-1,2-Dichloroethene	U		0.000260	0.00100	0.00100	1	09/05/2015 11:41	WG813609
trans-1,2-Dichloroethene	U		0.000396	0.00100	0.00100	1	09/05/2015 11:41	WG813609
1,2-Dichloropropane	U		0.000306	0.00100	0.00100	1	09/05/2015 11:41	WG813609
cis-1,3-Dichloropropene	U		0.000418	0.00100	0.00100	1	09/05/2015 11:41	WG813609
trans-1,3-Dichloropropene	U		0.000419	0.00100	0.00100	1	09/05/2015 11:41	WG813609
Ethylbenzene	U		0.000384	0.00100	0.00100	1	09/05/2015 11:41	WG813609
Hexachloro-1,3-butadiene	U		0.000256	0.00100	0.00100	1	09/05/2015 11:41	WG813609
2-Hexanone	U		0.00382	0.0100	0.0100	1	09/05/2015 11:41	WG813609
Isopropylbenzene	U		0.000326	0.00100	0.00100	1	09/05/2015 11:41	WG813609
p-Isopropyltoluene	U		0.000350	0.00100	0.00100	1	09/05/2015 11:41	WG813609
2-Butanone (MEK)	U		0.00393	0.0100	0.0100	1	09/05/2015 11:41	WG813609
Methylene Chloride	U		0.00100	0.00500	0.00500	1	09/05/2015 11:41	WG813609
4-Methyl-2-pentanone (MIBK)	U		0.00214	0.0100	0.0100	1	09/05/2015 11:41	WG813609
Methyl tert-butyl ether	U		0.000367	0.00100	0.00100	1	09/05/2015 11:41	WG813609
Naphthalene	U		0.00100	0.00500	0.00500	1	09/05/2015 11:41	WG813609
n-Propylbenzene	U		0.000349	0.00100	0.00100	1	09/05/2015 11:41	WG813609
Styrene	U		0.000307	0.00100	0.00100	1	09/05/2015 11:41	WG813609
1,1,2,2-Tetrachloroethane	U		0.000130	0.00100	0.00100	1	09/05/2015 11:41	WG813609

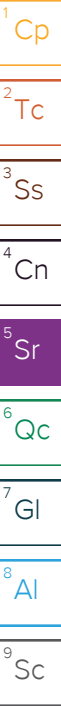


Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Tetrachloroethene	U		0.000372	0.00100	0.00100	1	09/05/2015 11:41	WG813609
Toluene	U		0.000780	0.00500	0.00500	1	09/05/2015 11:41	WG813609
1,1,1-Trichloroethane	U		0.000319	0.00100	0.00100	1	09/05/2015 11:41	WG813609
1,1,2-Trichloroethane	U		0.000383	0.00100	0.00100	1	09/05/2015 11:41	WG813609
Trichloroethene	U		0.000398	0.00100	0.00100	1	09/05/2015 11:41	WG813609
1,2,4-Trimethylbenzene	U		0.000373	0.00100	0.00100	1	09/05/2015 11:41	WG813609
1,3,5-Trimethylbenzene	U		0.000387	0.00100	0.00100	1	09/05/2015 11:41	WG813609
Vinyl chloride	U		0.000259	0.00100	0.00100	1	09/05/2015 11:41	WG813609
Xylenes, Total	U		0.00106	0.00300	0.00300	1	09/05/2015 11:41	WG813609
(S) Toluene-d8	100				90.0-115		09/05/2015 11:41	WG813609
(S) Dibromofluoromethane	103				79.0-121		09/05/2015 11:41	WG813609
(S) 4-Bromofluorobenzene	92.8				80.1-120		09/05/2015 11:41	WG813609

Semi Volatile Organic Compounds (GC/MS) by Method 8270 C

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.000316	0.00100	0.00100	1	09/03/2015 12:23	WG812624
Acenaphthylene	U		0.000309	0.00100	0.00100	1	09/03/2015 12:23	WG812624
Acetophenone	U		0.00247	0.0100	0.0100	1	09/03/2015 12:23	WG812624
Anthracene	U		0.000291	0.00100	0.00100	1	09/03/2015 12:23	WG812624
Atrazine	U		0.000260	0.0100	0.0100	1	09/03/2015 12:23	WG812624
Benzo(a)anthracene	U		0.0000510	0.00100	0.00100	1	09/03/2015 12:23	WG812624
Benzaldehyde	U	J3	0.00140	0.0100	0.0100	1	09/03/2015 12:23	WG812624
Benzo(b)fluoranthene	U		0.0000896	0.00100	0.00100	1	09/03/2015 12:23	WG812624
Benzo(k)fluoranthene	U		0.000355	0.00100	0.00100	1	09/03/2015 12:23	WG812624
Benzo(g,h,i)perylene	U		0.00000227	0.00100	0.00100	1	09/03/2015 12:23	WG812624
Benzo(a)pyrene	U		0.0000381	0.000200	0.000200	1	09/03/2015 12:23	WG812624
Biphenyl	U		0.000325	0.0100	0.0100	1	09/03/2015 12:23	WG812624
Bis(2-chlorethoxy)methane	U		0.000329	0.0100	0.0100	1	09/03/2015 12:23	WG812624
Bis(2-chloroethyl)ether	U		0.00162	0.0100	0.0100	1	09/03/2015 12:23	WG812624
Bis(2-chloroisopropyl)ether	U		0.000445	0.0100	0.0100	1	09/03/2015 12:23	WG812624
4-Bromophenyl-phenylether	U		0.000335	0.0100	0.0100	1	09/03/2015 12:23	WG812624
2-Chloronaphthalene	U		0.000330	0.00100	0.00100	1	09/03/2015 12:23	WG812624
4-Chlorophenyl-phenylether	U		0.000303	0.0100	0.0100	1	09/03/2015 12:23	WG812624
Caprolactam	U		0.00259	0.0100	0.0100	1	09/03/2015 12:23	WG812624
Carbazole	U		0.000260	0.0100	0.0100	1	09/03/2015 12:23	WG812624
Chrysene	U		0.000332	0.00100	0.00100	1	09/03/2015 12:23	WG812624
Dibenz(a,h)anthracene	U		0.0000644	0.000200	0.000200	1	09/03/2015 12:23	WG812624
Dibenzofuran	U		0.000338	0.0100	0.0100	1	09/03/2015 12:23	WG812624
3,3-Dichlorobenzidine	U		0.00202	0.0100	0.0100	1	09/03/2015 12:23	WG812624
2,4-Dinitrotoluene	U		0.00165	0.0100	0.0100	1	09/03/2015 12:23	WG812624
2,6-Dinitrotoluene	U		0.000279	0.0100	0.0100	1	09/03/2015 12:23	WG812624
Fluoranthene	U		0.000310	0.00100	0.00100	1	09/03/2015 12:23	WG812624
Fluorene	U		0.000323	0.00100	0.00100	1	09/03/2015 12:23	WG812624
Hexachlorobenzene	U		0.000341	0.00100	0.00100	1	09/03/2015 12:23	WG812624
Hexachloro-1,3-butadiene	U		0.000329	0.0100	0.0100	1	09/03/2015 12:23	WG812624
Hexachlorocyclopentadiene	U		0.00233	0.0100	0.0100	1	09/03/2015 12:23	WG812624
Hexachloroethane	U		0.000365	0.0100	0.0100	1	09/03/2015 12:23	WG812624
Indeno(1,2,3-cd)pyrene	U		0.000279	0.00100	0.00100	1	09/03/2015 12:23	WG812624
Isophorone	U		0.000272	0.0100	0.0100	1	09/03/2015 12:23	WG812624
1-Methylnaphthalene	U		0.000332	0.00100	0.00100	1	09/03/2015 12:23	WG812624
2-Methylnaphthalene	U		0.000311	0.00100	0.00100	1	09/03/2015 12:23	WG812624
Naphthalene	U		0.000372	0.00100	0.00100	1	09/03/2015 12:23	WG812624
Nitrobenzene	U		0.000367	0.0100	0.0100	1	09/03/2015 12:23	WG812624
n-Nitrosodiphenylamine	U		0.000304	0.0100	0.0100	1	09/03/2015 12:23	WG812624
n-Nitrosodi-n-propylamine	U		0.000403	0.0100	0.0100	1	09/03/2015 12:23	WG812624





Collected date/time: 08/28/15 12:48

L786033

Semi Volatile Organic Compounds (GC/MS) by Method 8270 C

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Phenanthrene	U		0.000366	0.00100	0.00100	1	09/03/2015 12:23	WG812624
Benzylbutyl phthalate	U		0.000275	0.00300	0.00300	1	09/03/2015 12:23	WG812624
Bis(2-ethylhexyl)phthalate	0.00355		0.000709	0.00300	0.00300	1	09/03/2015 12:23	WG812624
Di-n-butyl phthalate	U		0.000266	0.00300	0.00300	1	09/03/2015 12:23	WG812624
Diethyl phthalate	U		0.000282	0.00300	0.00300	1	09/03/2015 12:23	WG812624
Dimethyl phthalate	U		0.000283	0.00300	0.00300	1	09/03/2015 12:23	WG812624
Di-n-octyl phthalate	U		0.000278	0.00300	0.00300	1	09/03/2015 12:23	WG812624
Pyrene	U		0.000330	0.00100	0.00100	1	09/03/2015 12:23	WG812624
1,2,4-Trichlorobenzene	U		0.000355	0.0100	0.0100	1	09/03/2015 12:23	WG812624
4-Chloro-3-methylphenol	U		0.000263	0.0100	0.0100	1	09/03/2015 12:23	WG812624
2-Chlorophenol	U		0.000283	0.0100	0.0100	1	09/03/2015 12:23	WG812624
2,4-Dichlorophenol	U		0.000284	0.0100	0.0100	1	09/03/2015 12:23	WG812624
2,4-Dimethylphenol	U		0.000624	0.0100	0.0100	1	09/03/2015 12:23	WG812624
4,6-Dinitro-2-methylphenol	U		0.00262	0.0100	0.0100	1	09/03/2015 12:23	WG812624
2,4-Dinitrophenol	U	J3	0.00325	0.0100	0.0100	1	09/03/2015 12:23	WG812624
2-Nitrophenol	U		0.000320	0.0100	0.0100	1	09/03/2015 12:23	WG812624
2-Nitroaniline	U		0.00190	0.0100	0.0100	1	09/03/2015 12:23	WG812624
2-Methylphenol	U		0.000312	0.0100	0.0100	1	09/03/2015 12:23	WG812624
3&4-Methyl Phenol	U		0.000266	0.0100	0.0100	1	09/03/2015 12:23	WG812624
3-Nitroaniline	U		0.000308	0.0100	0.0100	1	09/03/2015 12:23	WG812624
4-Chloroaniline	U		0.000382	0.0100	0.0100	1	09/03/2015 12:23	WG812624
4-Nitroaniline	U	J4	0.000349	0.0100	0.0100	1	09/03/2015 12:23	WG812624
4-Nitrophenol	U		0.00201	0.0100	0.0100	1	09/03/2015 12:23	WG812624
Pentachlorophenol	U		0.000313	0.0100	0.0100	1	09/03/2015 12:23	WG812624
Phenol	U		0.000334	0.0100	0.0100	1	09/03/2015 12:23	WG812624
2,4,5-Trichlorophenol	U		0.000236	0.0100	0.0100	1	09/03/2015 12:23	WG812624
2,4,6-Trichlorophenol	U		0.000297	0.0100	0.0100	1	09/03/2015 12:23	WG812624
(S) 2-Fluorophenol	51.2				10.0-77.9		09/03/2015 12:23	WG812624
(S) Phenol-d5	37.1				5.00-70.1		09/03/2015 12:23	WG812624
(S) Nitrobenzene-d5	80.5				21.8-123		09/03/2015 12:23	WG812624
(S) 2-Fluorobiphenyl	85.5				29.5-131		09/03/2015 12:23	WG812624
(S) 2,4,6-Tribromophenol	64.3				11.2-130		09/03/2015 12:23	WG812624
(S) p-Terphenyl-d14	80.9				29.3-137		09/03/2015 12:23	WG812624

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	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Dissolved Solids	3.00	J	2.82	10.0	10.0	1	09/02/2015 15:46	WG812601

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Alkalinity	U		2.61	20.0	20.0	1	09/03/2015 08:38	WG812796

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Nitrate-Nitrite	U		0.0197	0.100	0.100	1	09/03/2015 11:42	WG813064

Wet Chemistry by Method 9040C

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	su			date / time	
pH	6.43		1	09/02/2015 09:16	WG812617

Sample Narrative:

9040C L786033-24 WG812617: 6.43 at 21.0c

Wet Chemistry by Method 9050A

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	umhos/cm			date / time	
Specific Conductance	1.66		1	09/02/2015 11:58	WG812843

Wet Chemistry by Method 9056

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Chloride	0.104	J	0.0519	1.00	1.00	1	09/05/2015 18:27	WG813560
Fluoride	U		0.00990	0.100	0.100	1	09/05/2015 18:27	WG813560
Sulfate	0.263	J	0.0774	5.00	5.00	1	09/05/2015 18:27	WG813560

Mercury by Method 7470A

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Mercury	U		0.0000490	0.000200	0.000200	1	09/01/2015 14:58	WG812697

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Aluminum,Dissolved	U		0.0350	0.200	0.200	1	09/02/2015 18:25	WG812707
Calcium,Dissolved	0.0473	J	0.0463	1.00	1.00	1	09/02/2015 18:25	WG812707
Iron,Dissolved	0.0164	J	0.0141	0.100	0.100	1	09/02/2015 18:25	WG812707
Magnesium,Dissolved	0.0577	J	0.0111	1.00	1.00	1	09/02/2015 18:25	WG812707
Potassium,Dissolved	U		0.102	1.00	1.00	1	09/02/2015 18:25	WG812707
Sodium,Dissolved	0.135	J	0.0985	1.00	1.00	1	09/02/2015 18:25	WG812707



Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Arsenic,Dissolved	0.000691	U	0.000250	0.00200	0.00200	1	09/03/2015 01:19	WG812713
Barium,Dissolved	U		0.000360	0.00500	0.00500	1	09/03/2015 01:19	WG812713
Boron,Dissolved	0.00368	U	0.00150	0.0200	0.0200	1	09/03/2015 01:19	WG812713
Cadmium,Dissolved	U		0.000160	0.00100	0.00100	1	09/03/2015 01:19	WG812713
Chromium,Dissolved	U		0.000540	0.00200	0.00200	1	09/03/2015 01:19	WG812713
Copper,Dissolved	U		0.000520	0.00500	0.00500	1	09/03/2015 01:19	WG812713
Cobalt,Dissolved	U		0.000260	0.00200	0.00200	1	09/03/2015 01:19	WG812713
Lead,Dissolved	U		0.000240	0.00200	0.00200	1	09/03/2015 01:19	WG812713
Manganese,Dissolved	U		0.000250	0.00500	0.00500	1	09/03/2015 01:19	WG812713
Molybdenum,Dissolved	U		0.000140	0.00500	0.00500	1	09/03/2015 01:19	WG812713
Nickel,Dissolved	U		0.000350	0.00200	0.00200	1	09/03/2015 01:19	WG812713
Selenium,Dissolved	U		0.000380	0.00200	0.00200	1	09/03/2015 01:19	WG812713
Silver,Dissolved	U		0.000310	0.00200	0.00200	1	09/03/2015 01:19	WG812713
Uranium,Dissolved	U		0.000330	0.0100	0.0100	1	09/03/2015 01:19	WG812713
Zinc,Dissolved	U		0.00256	0.0250	0.0250	1	09/03/2015 01:19	WG812713

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 mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0100	1.00	1.00	1	09/05/2015 12:01	WG813609
Benzene	U		0.000331	0.00100	0.00100	1	09/05/2015 12:01	WG813609
Bromodichloromethane	U		0.000380	0.00125	0.00125	1	09/05/2015 12:01	WG813609
Bromoform	U		0.000469	0.00100	0.00100	1	09/05/2015 12:01	WG813609
Bromomethane	U		0.000866	0.00500	0.00500	1	09/05/2015 12:01	WG813609
n-Butylbenzene	U		0.000361	0.00100	0.00100	1	09/05/2015 12:01	WG813609
sec-Butylbenzene	U		0.000365	0.00100	0.00100	1	09/05/2015 12:01	WG813609
tert-Butylbenzene	U		0.000399	0.00100	0.00100	1	09/05/2015 12:01	WG813609
Carbon disulfide	U		0.000275	0.00100	0.00100	1	09/05/2015 12:01	WG813609
Carbon tetrachloride	U		0.000379	0.00100	0.00100	1	09/05/2015 12:01	WG813609
Chlorobenzene	U		0.000348	0.00100	0.00100	1	09/05/2015 12:01	WG813609
Chlorodibromomethane	U		0.000327	0.00100	0.00100	1	09/05/2015 12:01	WG813609
Chloroethane	U		0.000453	0.00500	0.00500	1	09/05/2015 12:01	WG813609
Chloroform	U		0.000324	0.00500	0.00500	1	09/05/2015 12:01	WG813609
Chloromethane	U		0.000276	0.00250	0.00250	1	09/05/2015 12:01	WG813609
1,2-Dibromoethane	U		0.000381	0.00100	0.00100	1	09/05/2015 12:01	WG813609
1,1-Dichloroethane	U		0.000259	0.00100	0.00100	1	09/05/2015 12:01	WG813609
1,2-Dichloroethane	U		0.000361	0.00100	0.00100	1	09/05/2015 12:01	WG813609
1,1-Dichloroethene	U		0.000398	0.00100	0.00100	1	09/05/2015 12:01	WG813609
cis-1,2-Dichloroethene	U		0.000260	0.00100	0.00100	1	09/05/2015 12:01	WG813609
trans-1,2-Dichloroethene	U		0.000396	0.00100	0.00100	1	09/05/2015 12:01	WG813609
1,2-Dichloropropane	U		0.000306	0.00100	0.00100	1	09/05/2015 12:01	WG813609
cis-1,3-Dichloropropene	U		0.000418	0.00100	0.00100	1	09/05/2015 12:01	WG813609
trans-1,3-Dichloropropene	U		0.000419	0.00100	0.00100	1	09/05/2015 12:01	WG813609
Ethylbenzene	U		0.000384	0.00100	0.00100	1	09/05/2015 12:01	WG813609
Hexachloro-1,3-butadiene	U		0.000256	0.00100	0.00100	1	09/05/2015 12:01	WG813609
2-Hexanone	U		0.00382	0.0100	0.0100	1	09/05/2015 12:01	WG813609
Isopropylbenzene	U		0.000326	0.00100	0.00100	1	09/05/2015 12:01	WG813609
p-Isopropyltoluene	U		0.000350	0.00100	0.00100	1	09/05/2015 12:01	WG813609
2-Butanone (MEK)	U		0.00393	0.0100	0.0100	1	09/05/2015 12:01	WG813609
Methylene Chloride	U		0.00100	0.00500	0.00500	1	09/05/2015 12:01	WG813609
4-Methyl-2-pentanone (MIBK)	U		0.00214	0.0100	0.0100	1	09/05/2015 12:01	WG813609
Methyl tert-butyl ether	U		0.000367	0.00100	0.00100	1	09/05/2015 12:01	WG813609
Naphthalene	U		0.00100	0.00500	0.00500	1	09/05/2015 12:01	WG813609
n-Propylbenzene	U		0.000349	0.00100	0.00100	1	09/05/2015 12:01	WG813609
Styrene	U		0.000307	0.00100	0.00100	1	09/05/2015 12:01	WG813609
1,1,2,2-Tetrachloroethane	U		0.000130	0.00100	0.00100	1	09/05/2015 12:01	WG813609



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

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Tetrachloroethene	U		0.000372	0.00100	0.00100	1	09/05/2015 12:01	WG813609
Toluene	U		0.000780	0.00500	0.00500	1	09/05/2015 12:01	WG813609
1,1,1-Trichloroethane	U		0.000319	0.00100	0.00100	1	09/05/2015 12:01	WG813609
1,1,2-Trichloroethane	U		0.000383	0.00100	0.00100	1	09/05/2015 12:01	WG813609
Trichloroethene	U		0.000398	0.00100	0.00100	1	09/05/2015 12:01	WG813609
1,2,4-Trimethylbenzene	U		0.000373	0.00100	0.00100	1	09/05/2015 12:01	WG813609
1,3,5-Trimethylbenzene	U		0.000387	0.00100	0.00100	1	09/05/2015 12:01	WG813609
Vinyl chloride	U		0.000259	0.00100	0.00100	1	09/05/2015 12:01	WG813609
Xylenes, Total	U		0.00106	0.00300	0.00300	1	09/05/2015 12:01	WG813609
(S) Toluene-d8	100				90.0-115		09/05/2015 12:01	WG813609
(S) Dibromofluoromethane	102				79.0-121		09/05/2015 12:01	WG813609
(S) 4-Bromofluorobenzene	91.6				80.1-120		09/05/2015 12:01	WG813609

Semi Volatile Organic Compounds (GC/MS) by Method 8270 C

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Acenaphthene	U	J3	0.000316	0.00100	0.00100	1	09/04/2015 07:38	WG813193
Acenaphthylene	U		0.000309	0.00100	0.00100	1	09/04/2015 07:38	WG813193
Acetophenone	U	J4	0.00247	0.0100	0.0100	1	09/04/2015 07:38	WG813193
Anthracene	U	J3	0.000291	0.00100	0.00100	1	09/04/2015 07:38	WG813193
Atrazine	U	J3	0.000260	0.0100	0.0100	1	09/04/2015 07:38	WG813193
Benzo(a)anthracene	U	J3	0.0000510	0.00100	0.00100	1	09/04/2015 07:38	WG813193
Benzaldehyde	U		0.00140	0.0100	0.0100	1	09/04/2015 07:38	WG813193
Benzo(b)fluoranthene	U		0.0000896	0.00100	0.00100	1	09/04/2015 07:38	WG813193
Benzo(k)fluoranthene	U	J3	0.000355	0.00100	0.00100	1	09/04/2015 07:38	WG813193
Benzo(g,h,i)perylene	U	J3	0.00000227	0.00100	0.00100	1	09/04/2015 07:38	WG813193
Benzo(a)pyrene	U	J3	0.0000381	0.000200	0.000200	1	09/04/2015 07:38	WG813193
Biphenyl	U	J3	0.000325	0.0100	0.0100	1	09/04/2015 07:38	WG813193
Bis(2-chlorethoxy)methane	U		0.000329	0.0100	0.0100	1	09/04/2015 07:38	WG813193
Bis(2-chloroethyl)ether	U		0.00162	0.0100	0.0100	1	09/04/2015 07:38	WG813193
Bis(2-chloroisopropyl)ether	U	J4	0.000445	0.0100	0.0100	1	09/04/2015 07:38	WG813193
4-Bromophenyl-phenylether	U		0.000335	0.0100	0.0100	1	09/04/2015 07:38	WG813193
2-Chloronaphthalene	U		0.000330	0.00100	0.00100	1	09/04/2015 07:38	WG813193
4-Chlorophenyl-phenylether	U	J3	0.000303	0.0100	0.0100	1	09/04/2015 07:38	WG813193
Caprolactam	U		0.00259	0.0100	0.0100	1	09/04/2015 07:38	WG813193
Carbazole	U	J3	0.000260	0.0100	0.0100	1	09/04/2015 07:38	WG813193
Chrysene	U	J3	0.000332	0.00100	0.00100	1	09/04/2015 07:38	WG813193
Dibenz(a,h)anthracene	U	J3	0.0000644	0.000200	0.000200	1	09/04/2015 07:38	WG813193
Dibenzofuran	U	J3	0.000338	0.0100	0.0100	1	09/04/2015 07:38	WG813193
3,3-Dichlorobenzidine	U		0.00202	0.0100	0.0100	1	09/04/2015 07:38	WG813193
2,4-Dinitrotoluene	U		0.00165	0.0100	0.0100	1	09/04/2015 07:38	WG813193
2,6-Dinitrotoluene	U		0.000279	0.0100	0.0100	1	09/04/2015 07:38	WG813193
Fluoranthene	U	J3	0.000310	0.00100	0.00100	1	09/04/2015 07:38	WG813193
Fluorene	U	J3	0.000323	0.00100	0.00100	1	09/04/2015 07:38	WG813193
Hexachlorobenzene	U	J3	0.000341	0.00100	0.00100	1	09/04/2015 07:38	WG813193
Hexachloro-1,3-butadiene	U		0.000329	0.0100	0.0100	1	09/04/2015 07:38	WG813193
Hexachlorocyclopentadiene	U		0.00233	0.0100	0.0100	1	09/04/2015 07:38	WG813193
Hexachloroethane	U		0.000365	0.0100	0.0100	1	09/04/2015 07:38	WG813193
Indeno(1,2,3-cd)pyrene	U	J3	0.000279	0.00100	0.00100	1	09/04/2015 07:38	WG813193
Isophorone	U		0.000272	0.0100	0.0100	1	09/04/2015 07:38	WG813193
1-Methylnaphthalene	U		0.000332	0.00100	0.00100	1	09/04/2015 07:38	WG813193
2-Methylnaphthalene	U		0.000311	0.00100	0.00100	1	09/04/2015 07:38	WG813193
Naphthalene	U		0.000372	0.00100	0.00100	1	09/04/2015 07:38	WG813193
Nitrobenzene	U		0.000367	0.0100	0.0100	1	09/04/2015 07:38	WG813193
n-Nitrosodiphenylamine	U	J3	0.000304	0.0100	0.0100	1	09/04/2015 07:38	WG813193
n-Nitrosodi-n-propylamine	U	J4	0.000403	0.0100	0.0100	1	09/04/2015 07:38	WG813193





Collected date/time: 08/28/15 13:20

L786033

Semi Volatile Organic Compounds (GC/MS) by Method 8270 C

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Phenanthrene	U	<u>J3</u>	0.000366	0.00100	0.00100	1	09/04/2015 07:38	WG813193
Benzylbutyl phthalate	U	<u>J3</u>	0.000275	0.00300	0.00300	1	09/04/2015 07:38	WG813193
Bis(2-ethylhexyl)phthalate	0.00127	<u>J</u>	0.000709	0.00300	0.00300	1	09/04/2015 07:38	WG813193
Di-n-butyl phthalate	0.00124	<u>J J3</u>	0.000266	0.00300	0.00300	1	09/04/2015 07:38	WG813193
Diethyl phthalate	U	<u>J3</u>	0.000282	0.00300	0.00300	1	09/04/2015 07:38	WG813193
Dimethyl phthalate	U	<u>J3</u>	0.000283	0.00300	0.00300	1	09/04/2015 07:38	WG813193
Di-n-octyl phthalate	U		0.000278	0.00300	0.00300	1	09/04/2015 07:38	WG813193
Pyrene	U	<u>J3</u>	0.000330	0.00100	0.00100	1	09/04/2015 07:38	WG813193
1,2,4-Trichlorobenzene	U		0.000355	0.0100	0.0100	1	09/04/2015 07:38	WG813193
4-Chloro-3-methylphenol	U		0.000263	0.0100	0.0100	1	09/04/2015 07:38	WG813193
2-Chlorophenol	U		0.000283	0.0100	0.0100	1	09/04/2015 07:38	WG813193
2,4-Dichlorophenol	U		0.000284	0.0100	0.0100	1	09/04/2015 07:38	WG813193
2,4-Dimethylphenol	U		0.000624	0.0100	0.0100	1	09/04/2015 07:38	WG813193
4,6-Dinitro-2-methylphenol	U		0.00262	0.0100	0.0100	1	09/04/2015 07:38	WG813193
2,4-Dinitrophenol	U		0.00325	0.0100	0.0100	1	09/04/2015 07:38	WG813193
2-Nitrophenol	U		0.000320	0.0100	0.0100	1	09/04/2015 07:38	WG813193
2-Nitroaniline	U		0.00190	0.0100	0.0100	1	09/04/2015 07:38	WG813193
2-Methylphenol	U		0.000312	0.0100	0.0100	1	09/04/2015 07:38	WG813193
3&4-Methyl Phenol	U		0.000266	0.0100	0.0100	1	09/04/2015 07:38	WG813193
3-Nitroaniline	U		0.000308	0.0100	0.0100	1	09/04/2015 07:38	WG813193
4-Chloroaniline	U		0.000382	0.0100	0.0100	1	09/04/2015 07:38	WG813193
4-Nitroaniline	U		0.000349	0.0100	0.0100	1	09/04/2015 07:38	WG813193
4-Nitrophenol	U		0.00201	0.0100	0.0100	1	09/04/2015 07:38	WG813193
Pentachlorophenol	U		0.000313	0.0100	0.0100	1	09/04/2015 07:38	WG813193
Phenol	U		0.000334	0.0100	0.0100	1	09/04/2015 07:38	WG813193
2,4,5-Trichlorophenol	U		0.000236	0.0100	0.0100	1	09/04/2015 07:38	WG813193
2,4,6-Trichlorophenol	U		0.000297	0.0100	0.0100	1	09/04/2015 07:38	WG813193
(S) 2-Fluorophenol	26.8				10.0-77.9		09/04/2015 07:38	WG813193
(S) Phenol-d5	20.8				5.00-70.1		09/04/2015 07:38	WG813193
(S) Nitrobenzene-d5	31.9				21.8-123		09/04/2015 07:38	WG813193
(S) 2-Fluorobiphenyl	44.2				29.5-131		09/04/2015 07:38	WG813193
(S) 2,4,6-Tribromophenol	58.1				11.2-130		09/04/2015 07:38	WG813193
(S) p-Terphenyl-d14	75.4				29.3-137		09/04/2015 07:38	WG813193

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	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Dissolved Solids	U		2.82	10.0	10.0	1	09/02/2015 15:49	WG812601

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Alkalinity	U		2.61	20.0	20.0	1	09/03/2015 08:38	WG812796

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Nitrate-Nitrite	0.120		0.0197	0.100	0.100	1	09/03/2015 11:43	WG813064

Wet Chemistry by Method 9040C

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	su			date / time	
pH	5.98		1	09/02/2015 09:16	WG812617

Sample Narrative:

9040C L786033-25 WG812617: 5.98 at 20.5c

Wet Chemistry by Method 9050A

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	umhos/cm			date / time	
Specific Conductance	1.61		1	09/02/2015 11:58	WG812843

Wet Chemistry by Method 9056

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Chloride	0.0857	J	0.0519	1.00	1.00	1	09/05/2015 19:16	WG813560
Fluoride	U		0.00990	0.100	0.100	1	09/05/2015 19:16	WG813560
Sulfate	0.0947	J	0.0774	5.00	5.00	1	09/05/2015 19:16	WG813560

Mercury by Method 7470A

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Mercury	U		0.0000490	0.000200	0.000200	1	09/01/2015 15:40	WG812695
Mercury,Dissolved	U		0.0000490	0.000200	0.000200	1	09/01/2015 16:17	WG812696

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Aluminum,Dissolved	U		0.0350	0.200	0.200	1	09/02/2015 18:28	WG812707
Barium,Dissolved	U		0.00170	0.00500	0.00500	1	09/02/2015 18:28	WG812707
Beryllium,Dissolved	U		0.000700	0.00200	0.00200	1	09/02/2015 18:28	WG812707
Cadmium,Dissolved	U		0.000700	0.00200	0.00200	1	09/02/2015 18:28	WG812707
Calcium,Dissolved	U		0.0463	1.00	1.00	1	09/02/2015 18:28	WG812707
Chromium,Dissolved	U		0.00140	0.0100	0.0100	1	09/02/2015 18:28	WG812707
Cobalt,Dissolved	U		0.00230	0.0100	0.0100	1	09/02/2015 18:28	WG812707
Copper,Dissolved	U		0.00530	0.0100	0.0100	1	09/02/2015 18:28	WG812707
Iron,Dissolved	U		0.0141	0.100	0.100	1	09/02/2015 18:28	WG812707
Magnesium,Dissolved	0.0445	J	0.0111	1.00	1.00	1	09/02/2015 18:28	WG812707
Manganese,Dissolved	0.00163	J	0.00120	0.0100	0.0100	1	09/02/2015 18:28	WG812707



Metals (ICP) by Method 6010B

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Nickel,Dissolved	U		0.00490	0.0100	0.0100	1	09/02/2015 18:28	WG812707
Potassium,Dissolved	U		0.102	1.00	1.00	1	09/02/2015 18:28	WG812707
Silver,Dissolved	U		0.00280	0.00500	0.00500	1	09/02/2015 18:28	WG812707
Sodium,Dissolved	U		0.0985	1.00	1.00	1	09/02/2015 18:28	WG812707
Vanadium,Dissolved	U		0.00240	0.0200	0.0200	1	09/02/2015 18:28	WG812707
Zinc,Dissolved	U		0.00590	0.0500	0.0500	1	09/02/2015 18:28	WG812707

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Arsenic,Dissolved	0.000446	U	0.000250	0.00200	0.00200	1	09/03/2015 08:11	WG812713
Boron,Dissolved	0.0170	U	0.00150	0.0200	0.0200	1	09/03/2015 08:11	WG812713
Lead,Dissolved	U		0.000240	0.00200	0.00200	1	09/03/2015 08:11	WG812713
Molybdenum,Dissolved	U		0.000140	0.00500	0.00500	1	09/03/2015 08:11	WG812713
Selenium,Dissolved	U		0.000380	0.00200	0.00200	1	09/03/2015 08:11	WG812713
Uranium,Dissolved	U		0.000330	0.0100	0.0100	1	09/03/2015 08:11	WG812713

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

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0100	1.00	1.00	1	09/05/2015 12:21	WG813609
Benzene	U		0.000331	0.00100	0.00100	1	09/05/2015 12:21	WG813609
Bromodichloromethane	U		0.000380	0.00125	0.00125	1	09/05/2015 12:21	WG813609
Bromoform	U		0.000469	0.00100	0.00100	1	09/05/2015 12:21	WG813609
Bromomethane	U		0.000866	0.00500	0.00500	1	09/05/2015 12:21	WG813609
n-Butylbenzene	U		0.000361	0.00100	0.00100	1	09/05/2015 12:21	WG813609
sec-Butylbenzene	U		0.000365	0.00100	0.00100	1	09/05/2015 12:21	WG813609
tert-Butylbenzene	U		0.000399	0.00100	0.00100	1	09/05/2015 12:21	WG813609
Carbon disulfide	U		0.000275	0.00100	0.00100	1	09/05/2015 12:21	WG813609
Carbon tetrachloride	U		0.000379	0.00100	0.00100	1	09/05/2015 12:21	WG813609
Chlorobenzene	U		0.000348	0.00100	0.00100	1	09/05/2015 12:21	WG813609
Chlorodibromomethane	U		0.000327	0.00100	0.00100	1	09/05/2015 12:21	WG813609
Chloroethane	U		0.000453	0.00500	0.00500	1	09/05/2015 12:21	WG813609
Chloroform	U		0.000324	0.00500	0.00500	1	09/05/2015 12:21	WG813609
Chloromethane	U		0.000276	0.00250	0.00250	1	09/05/2015 12:21	WG813609
1,2-Dibromoethane	U		0.000381	0.00100	0.00100	1	09/05/2015 12:21	WG813609
1,1-Dichloroethane	U		0.000259	0.00100	0.00100	1	09/05/2015 12:21	WG813609
1,2-Dichloroethane	U		0.000361	0.00100	0.00100	1	09/05/2015 12:21	WG813609
1,1-Dichloroethene	U		0.000398	0.00100	0.00100	1	09/05/2015 12:21	WG813609
cis-1,2-Dichloroethene	U		0.000260	0.00100	0.00100	1	09/05/2015 12:21	WG813609
trans-1,2-Dichloroethene	U		0.000396	0.00100	0.00100	1	09/05/2015 12:21	WG813609
1,2-Dichloropropane	U		0.000306	0.00100	0.00100	1	09/05/2015 12:21	WG813609
cis-1,3-Dichloropropene	U		0.000418	0.00100	0.00100	1	09/05/2015 12:21	WG813609
trans-1,3-Dichloropropene	U		0.000419	0.00100	0.00100	1	09/05/2015 12:21	WG813609
Ethylbenzene	U		0.000384	0.00100	0.00100	1	09/05/2015 12:21	WG813609
Hexachloro-1,3-butadiene	U		0.000256	0.00100	0.00100	1	09/05/2015 12:21	WG813609
2-Hexanone	U		0.00382	0.0100	0.0100	1	09/05/2015 12:21	WG813609
Isopropylbenzene	U		0.000326	0.00100	0.00100	1	09/05/2015 12:21	WG813609
p-Isopropyltoluene	U		0.000350	0.00100	0.00100	1	09/05/2015 12:21	WG813609
2-Butanone (MEK)	U		0.00393	0.0100	0.0100	1	09/05/2015 12:21	WG813609
Methylene Chloride	U		0.00100	0.00500	0.00500	1	09/05/2015 12:21	WG813609
4-Methyl-2-pentanone (MIBK)	U		0.00214	0.0100	0.0100	1	09/05/2015 12:21	WG813609
Methyl tert-butyl ether	U		0.000367	0.00100	0.00100	1	09/05/2015 12:21	WG813609
Naphthalene	U		0.00100	0.00500	0.00500	1	09/05/2015 12:21	WG813609
n-Propylbenzene	U		0.000349	0.00100	0.00100	1	09/05/2015 12:21	WG813609

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

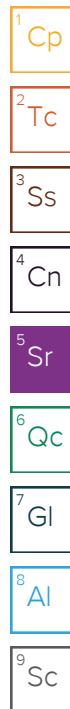


Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Styrene	U		0.000307	0.00100	0.00100	1	09/05/2015 12:21	WG813609
1,1,2,2-Tetrachloroethane	U		0.000130	0.00100	0.00100	1	09/05/2015 12:21	WG813609
Tetrachloroethene	U		0.000372	0.00100	0.00100	1	09/05/2015 12:21	WG813609
Toluene	U		0.000780	0.00500	0.00500	1	09/05/2015 12:21	WG813609
1,1,1-Trichloroethane	U		0.000319	0.00100	0.00100	1	09/05/2015 12:21	WG813609
1,1,2-Trichloroethane	U		0.000383	0.00100	0.00100	1	09/05/2015 12:21	WG813609
Trichloroethene	U		0.000398	0.00100	0.00100	1	09/05/2015 12:21	WG813609
1,2,4-Trimethylbenzene	U		0.000373	0.00100	0.00100	1	09/05/2015 12:21	WG813609
1,3,5-Trimethylbenzene	U		0.000387	0.00100	0.00100	1	09/05/2015 12:21	WG813609
Vinyl chloride	U		0.000259	0.00100	0.00100	1	09/05/2015 12:21	WG813609
Xylenes, Total	U		0.00106	0.00300	0.00300	1	09/05/2015 12:21	WG813609
(S) Toluene-d8	100				90.0-115		09/05/2015 12:21	WG813609
(S) Dibromofluoromethane	100				79.0-121		09/05/2015 12:21	WG813609
(S) 4-Bromofluorobenzene	91.4				80.1-120		09/05/2015 12:21	WG813609

Semi Volatile Organic Compounds (GC/MS) by Method 8270 C

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Acenaphthene	U	J3	0.000316	0.00100	0.00100	1	09/04/2015 08:01	WG813193
Acenaphthylene	U		0.000309	0.00100	0.00100	1	09/04/2015 08:01	WG813193
Acetophenone	U	J4	0.00247	0.0100	0.0100	1	09/04/2015 08:01	WG813193
Anthracene	U	J3	0.000291	0.00100	0.00100	1	09/04/2015 08:01	WG813193
Atrazine	U	J3	0.000260	0.0100	0.0100	1	09/04/2015 08:01	WG813193
Benzo(a)anthracene	U	J3	0.0000510	0.00100	0.00100	1	09/04/2015 08:01	WG813193
Benzaldehyde	0.00245	J	0.00140	0.0100	0.0100	1	09/04/2015 08:01	WG813193
Benzo(b)fluoranthene	U		0.0000896	0.00100	0.00100	1	09/04/2015 08:01	WG813193
Benzo(k)fluoranthene	U	J3	0.000355	0.00100	0.00100	1	09/04/2015 08:01	WG813193
Benzo(g,h,i)perylene	U	J3	0.00000227	0.00100	0.00100	1	09/04/2015 08:01	WG813193
Benzo(a)pyrene	U	J3	0.0000381	0.000200	0.000200	1	09/04/2015 08:01	WG813193
Biphenyl	U	J3	0.000325	0.0100	0.0100	1	09/04/2015 08:01	WG813193
Bis(2-chlorethoxy)methane	U		0.000329	0.0100	0.0100	1	09/04/2015 08:01	WG813193
Bis(2-chloroethyl)ether	U		0.00162	0.0100	0.0100	1	09/04/2015 08:01	WG813193
Bis(2-chloroisopropyl)ether	U	J4	0.000445	0.0100	0.0100	1	09/04/2015 08:01	WG813193
4-Bromophenyl-phenylether	U		0.000335	0.0100	0.0100	1	09/04/2015 08:01	WG813193
2-Chloronaphthalene	U		0.000330	0.00100	0.00100	1	09/04/2015 08:01	WG813193
4-Chlorophenyl-phenylether	U	J3	0.000303	0.0100	0.0100	1	09/04/2015 08:01	WG813193
Caprolactam	U		0.00259	0.0100	0.0100	1	09/04/2015 08:01	WG813193
Carbazole	U	J3	0.000260	0.0100	0.0100	1	09/04/2015 08:01	WG813193
Chrysene	U	J3	0.000332	0.00100	0.00100	1	09/04/2015 08:01	WG813193
Dibenz(a,h)anthracene	U	J3	0.0000644	0.000200	0.000200	1	09/04/2015 08:01	WG813193
Dibenzofuran	U	J3	0.000338	0.0100	0.0100	1	09/04/2015 08:01	WG813193
3,3-Dichlorobenzidine	U		0.00202	0.0100	0.0100	1	09/04/2015 08:01	WG813193
2,4-Dinitrotoluene	U		0.00165	0.0100	0.0100	1	09/04/2015 08:01	WG813193
2,6-Dinitrotoluene	U		0.000279	0.0100	0.0100	1	09/04/2015 08:01	WG813193
Fluoranthene	U	J3	0.000310	0.00100	0.00100	1	09/04/2015 08:01	WG813193
Fluorene	U	J3	0.000323	0.00100	0.00100	1	09/04/2015 08:01	WG813193
Hexachlorobenzene	U	J3	0.000341	0.00100	0.00100	1	09/04/2015 08:01	WG813193
Hexachloro-1,3-butadiene	U		0.000329	0.0100	0.0100	1	09/04/2015 08:01	WG813193
Hexachlorocyclopentadiene	U		0.00233	0.0100	0.0100	1	09/04/2015 08:01	WG813193
Hexachloroethane	U		0.000365	0.0100	0.0100	1	09/04/2015 08:01	WG813193
Indeno(1,2,3-cd)pyrene	U	J3	0.000279	0.00100	0.00100	1	09/04/2015 08:01	WG813193
Isophorone	U		0.000272	0.0100	0.0100	1	09/04/2015 08:01	WG813193
1-Methylnaphthalene	U		0.000332	0.00100	0.00100	1	09/04/2015 08:01	WG813193
2-Methylnaphthalene	U		0.000311	0.00100	0.00100	1	09/04/2015 08:01	WG813193
Naphthalene	U		0.000372	0.00100	0.00100	1	09/04/2015 08:01	WG813193
Nitrobenzene	U		0.000367	0.0100	0.0100	1	09/04/2015 08:01	WG813193





Collected date/time: 08/28/15 13:35

L786033

Semi Volatile Organic Compounds (GC/MS) by Method 8270 C

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
n-Nitrosodiphenylamine	U	J3	0.000304	0.0100	0.0100	1	09/04/2015 08:01	WG813193
n-Nitrosodi-n-propylamine	U	J4	0.000403	0.0100	0.0100	1	09/04/2015 08:01	WG813193
Phenanthrene	U	J3	0.000366	0.00100	0.00100	1	09/04/2015 08:01	WG813193
Benzylbutyl phthalate	U	J3	0.000275	0.00300	0.00300	1	09/04/2015 08:01	WG813193
Bis(2-ethylhexyl)phthalate	0.00119	J	0.000709	0.00300	0.00300	1	09/04/2015 08:01	WG813193
Di-n-butyl phthalate	0.00107	J J3	0.000266	0.00300	0.00300	1	09/04/2015 08:01	WG813193
Diethyl phthalate	U	J3	0.000282	0.00300	0.00300	1	09/04/2015 08:01	WG813193
Dimethyl phthalate	U	J3	0.000283	0.00300	0.00300	1	09/04/2015 08:01	WG813193
Di-n-octyl phthalate	U		0.000278	0.00300	0.00300	1	09/04/2015 08:01	WG813193
Pyrene	U	J3	0.000330	0.00100	0.00100	1	09/04/2015 08:01	WG813193
1,2,4-Trichlorobenzene	U		0.000355	0.0100	0.0100	1	09/04/2015 08:01	WG813193
4-Chloro-3-methylphenol	U		0.000263	0.0100	0.0100	1	09/04/2015 08:01	WG813193
2-Chlorophenol	U		0.000283	0.0100	0.0100	1	09/04/2015 08:01	WG813193
2,4-Dichlorophenol	U		0.000284	0.0100	0.0100	1	09/04/2015 08:01	WG813193
2,4-Dimethylphenol	U		0.000624	0.0100	0.0100	1	09/04/2015 08:01	WG813193
4,6-Dinitro-2-methylphenol	U		0.00262	0.0100	0.0100	1	09/04/2015 08:01	WG813193
2,4-Dinitrophenol	U		0.00325	0.0100	0.0100	1	09/04/2015 08:01	WG813193
2-Nitrophenol	U		0.000320	0.0100	0.0100	1	09/04/2015 08:01	WG813193
2-Nitroaniline	U		0.00190	0.0100	0.0100	1	09/04/2015 08:01	WG813193
2-Methylphenol	U		0.000312	0.0100	0.0100	1	09/04/2015 08:01	WG813193
3&4-Methyl Phenol	U		0.000266	0.0100	0.0100	1	09/04/2015 08:01	WG813193
3-Nitroaniline	U		0.000308	0.0100	0.0100	1	09/04/2015 08:01	WG813193
4-Chloroaniline	U		0.000382	0.0100	0.0100	1	09/04/2015 08:01	WG813193
4-Nitroaniline	U		0.000349	0.0100	0.0100	1	09/04/2015 08:01	WG813193
4-Nitrophenol	U		0.00201	0.0100	0.0100	1	09/04/2015 08:01	WG813193
Pentachlorophenol	U		0.000313	0.0100	0.0100	1	09/04/2015 08:01	WG813193
Phenol	U		0.000334	0.0100	0.0100	1	09/04/2015 08:01	WG813193
2,4,5-Trichlorophenol	U		0.000236	0.0100	0.0100	1	09/04/2015 08:01	WG813193
2,4,6-Trichlorophenol	U		0.000297	0.0100	0.0100	1	09/04/2015 08:01	WG813193
(S) 2-Fluorophenol	48.0				10.0-77.9		09/04/2015 08:01	WG813193
(S) Phenol-d5	36.7				5.00-70.1		09/04/2015 08:01	WG813193
(S) Nitrobenzene-d5	55.0				21.8-123		09/04/2015 08:01	WG813193
(S) 2-Fluorobiphenyl	65.8				29.5-131		09/04/2015 08:01	WG813193
(S) 2,4,6-Tribromophenol	67.1				11.2-130		09/04/2015 08:01	WG813193
(S) p-Terphenyl-d14	79.7				29.3-137		09/04/2015 08:01	WG813193

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	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Acetone	U		0.0100	1.00	1.00	1	09/08/2015 13:45	WG814013
Benzene	U		0.000331	0.00100	0.00100	1	09/08/2015 13:45	WG814013
Bromodichloromethane	U		0.000380	0.00125	0.00125	1	09/08/2015 13:45	WG814013
Bromoform	U		0.000469	0.00100	0.00100	1	09/08/2015 13:45	WG814013
Bromomethane	U		0.000866	0.00500	0.00500	1	09/08/2015 13:45	WG814013
n-Butylbenzene	U		0.000361	0.00100	0.00100	1	09/08/2015 13:45	WG814013
sec-Butylbenzene	U		0.000365	0.00100	0.00100	1	09/08/2015 13:45	WG814013
tert-Butylbenzene	U		0.000399	0.00100	0.00100	1	09/08/2015 13:45	WG814013
Carbon disulfide	U	J3	0.000275	0.00100	0.00100	1	09/08/2015 13:45	WG814013
Carbon tetrachloride	U		0.000379	0.00100	0.00100	1	09/08/2015 13:45	WG814013
Chlorobenzene	U		0.000348	0.00100	0.00100	1	09/08/2015 13:45	WG814013
Chlorodibromomethane	U		0.000327	0.00100	0.00100	1	09/08/2015 13:45	WG814013
Chloroethane	U		0.000453	0.00500	0.00500	1	09/08/2015 13:45	WG814013
Chloroform	U		0.000324	0.00500	0.00500	1	09/08/2015 13:45	WG814013
Chloromethane	U		0.000276	0.00250	0.00250	1	09/08/2015 13:45	WG814013
1,2-Dibromoethane	U		0.000381	0.00100	0.00100	1	09/08/2015 13:45	WG814013
1,1-Dichloroethane	U		0.000259	0.00100	0.00100	1	09/08/2015 13:45	WG814013
1,2-Dichloroethane	U		0.000361	0.00100	0.00100	1	09/08/2015 13:45	WG814013
1,1-Dichloroethene	U		0.000398	0.00100	0.00100	1	09/08/2015 13:45	WG814013
cis-1,2-Dichloroethene	U		0.000260	0.00100	0.00100	1	09/08/2015 13:45	WG814013
trans-1,2-Dichloroethene	U		0.000396	0.00100	0.00100	1	09/08/2015 13:45	WG814013
1,2-Dichloropropane	U		0.000306	0.00100	0.00100	1	09/08/2015 13:45	WG814013
cis-1,3-Dichloropropene	U		0.000418	0.00100	0.00100	1	09/08/2015 13:45	WG814013
trans-1,3-Dichloropropene	U		0.000419	0.00100	0.00100	1	09/08/2015 13:45	WG814013
Ethylbenzene	U		0.000384	0.00100	0.00100	1	09/08/2015 13:45	WG814013
Hexachloro-1,3-butadiene	U		0.000256	0.00100	0.00100	1	09/08/2015 13:45	WG814013
2-Hexanone	U		0.00382	0.0100	0.0100	1	09/08/2015 13:45	WG814013
Isopropylbenzene	U		0.000326	0.00100	0.00100	1	09/08/2015 13:45	WG814013
p-Isopropyltoluene	U		0.000350	0.00100	0.00100	1	09/08/2015 13:45	WG814013
2-Butanone (MEK)	U		0.00393	0.0100	0.0100	1	09/08/2015 13:45	WG814013
Methylene Chloride	U		0.00100	0.00500	0.00500	1	09/08/2015 13:45	WG814013
4-Methyl-2-pentanone (MIBK)	U		0.00214	0.0100	0.0100	1	09/08/2015 13:45	WG814013
Methyl tert-butyl ether	U		0.000367	0.00100	0.00100	1	09/08/2015 13:45	WG814013
Naphthalene	U		0.00100	0.00500	0.00500	1	09/08/2015 13:45	WG814013
n-Propylbenzene	U		0.000349	0.00100	0.00100	1	09/08/2015 13:45	WG814013
Styrene	U	J4	0.000307	0.00100	0.00100	1	09/08/2015 13:45	WG814013
1,1,2,2-Tetrachloroethane	U		0.000130	0.00100	0.00100	1	09/08/2015 13:45	WG814013
Tetrachloroethene	U		0.000372	0.00100	0.00100	1	09/08/2015 13:45	WG814013
Toluene	U		0.000780	0.00500	0.00500	1	09/08/2015 13:45	WG814013
1,1,1-Trichloroethane	U		0.000319	0.00100	0.00100	1	09/08/2015 13:45	WG814013
1,1,2-Trichloroethane	U		0.000383	0.00100	0.00100	1	09/08/2015 13:45	WG814013
Trichloroethene	U		0.000398	0.00100	0.00100	1	09/08/2015 13:45	WG814013
1,2,4-Trimethylbenzene	U		0.000373	0.00100	0.00100	1	09/08/2015 13:45	WG814013
1,3,5-Trimethylbenzene	U		0.000387	0.00100	0.00100	1	09/08/2015 13:45	WG814013
Vinyl chloride	U		0.000259	0.00100	0.00100	1	09/08/2015 13:45	WG814013
Xylenes, Total	U		0.00106	0.00300	0.00300	1	09/08/2015 13:45	WG814013
(S) Toluene-d8	95.3				90.0-115		09/08/2015 13:45	WG814013
(S) Dibromofluoromethane	93.4				79.0-121		09/08/2015 13:45	WG814013
(S) 4-Bromofluorobenzene	102				80.1-120		09/08/2015 13:45	WG814013

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



[L786033-01,02,03,04,05,06,07,08,09,10](#)

<u>MB Qualifier</u>	MB MDL mg/l	MB RDL mg/l
	2.82	10.0

• Duplicate (DUP)

t	DUP Result mg/l	Dilution	DUP RPD %	<u>DUP Qualifier</u>	DUP RPD Limits %
	1840	1	2.36		5

Laboratory Control Sample Duplicate (LCSD)

	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 %
	8630	8680	98.1	98.6	85.0-115			0.578	5

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc



[L786033-11,12,13,14,15,16,17,18,21,22](#)

<u>MB Qualifier</u>	MB MDL mg/l	MB RDL mg/l
	2.82	10.0

Duplicate (DUP)

t	DUP Result mg/l	Dilution	DUP RPD %	<u>DUP Qualifier</u>	DUP RPD Limits %
	1210	1	3.89		5

Laboratory Control Sample Duplicate (LCSD)

	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 %
	8710	8840	99.0	100	85.0-115			1.48	5

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc



[L786033-23,24,25](#)

<u>MB Qualifier</u>	MB MDL mg/l	MB RDL mg/l
	2.82	10.0

• Duplicate (DUP)

t	DUP Result mg/l	Dilution	DUP RPD %	<u>DUP Qualifier</u>	DUP RPD Limits %
	529	1	1.50		5

Laboratory Control Sample Duplicate (LCSD)

	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 %
	8720	8690	99.1	98.8	85.0-115			0.345	5

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc



[L786033-01,02,03,04,05,06,07,08,09,10,12,13,14,16,17,18](#)

<u>MB Qualifier</u>	MB MDL mg/l	MB RDL mg/l
	2.61	20.0

• Duplicate (DUP)

t	DUP Result mg/l	Dilution	DUP RPD %	<u>DUP Qualifier</u>	DUP RPD Limits %
	360	1	1.4		20

Laboratory Control Sample Duplicate (LCSD)

	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 %
	104	102	104	102	85.0-115			1.94	20

Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

D) 09/02/15 14:06										
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 %
171	246	251	78.0	80.0	1	80.0-120	<u>J6</u>		0.800	20

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc



[L786033-11,15,21,22,23,24,25](#)

<u>MB Qualifier</u>	MB MDL mg/l	MB RDL mg/l
	2.61	20.0

Duplicate (DUP)

t	DUP Result mg/l	Dilution	DUP RPD %	<u>DUP Qualifier</u>	DUP RPD Limits %
	430	5	0.71		20

Duplicate (DUP)

t	DUP Result mg/l	Dilution	DUP RPD %	<u>DUP Qualifier</u>	DUP RPD Limits %
	150	5	3.2		20

Laboratory Control Sample Duplicate (LCSD)

t	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 %
	105	104	105	104	85.0-115			0.957	20

Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

SD) 09/03/15 08:38

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 %
183	264	267	81.0	84.0	1	80.0-120			1.13	20

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

PROJECT:
227000.0000.0000

SDG:
L786033

DATE/TIME:
09/11/15 13:42

PAGE:
112 of 172

QUALITY CONTROL SUMMARY

ONE LAB. NATIONWIDE.



[L786033-01,02,03,04,05,06,07,08,09,10,11,12,13,14,15,16,18,21](#)

<u>MB Qualifier</u>	MB MDL mg/l	MB RDL mg/l
	0.0197	0.100

• Duplicate (DUP)

t	DUP Result mg/l	Dilution	DUP RPD %	<u>DUP Qualifier</u>	DUP RPD Limits %
	2.3	1	1.0		20

• Duplicate (DUP)

t	DUP Result mg/l	Dilution	DUP RPD %	<u>DUP Qualifier</u>	DUP RPD Limits %
	2.3	1	0.00		20

Laboratory Control Sample Duplicate (LCSD)

t	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 %
	5.00	4.96	100	99.0	90.0-110			1.00	20

• Matrix Spike (MS)

Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>
1.74	7.23	110	1	90.0-110	

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

PROJECT:
227000.0000.0000

SDG:
L786033

DATE/TIME:
09/11/15 13:42

PAGE:
113 of 172

Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

D) 09/02/15 15:31

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	%	%		%			%	%
3.48	8.89	8.82	108	107	1	90.0-110			1.00	20

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



L786033-17,22,23,24,25

MB Qualifier	MB MDL mg/l	MB RDL mg/l
	0.0197	0.100

• Duplicate (DUP)

t	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
	0.11	1	11		20

• Duplicate (DUP)

t	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
	14	10	1.0		20

Laboratory Control Sample Duplicate (LCSD)

t	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
	4.88	4.88	98.0	98.0	90.0-110			0.000	20

Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

09/03/15 11:39

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 %
3.00	8.22	8.19	104	104	1	90.0-110			0.000	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc



[L786033-17,22,23,24,25](#)

• Matrix Spike (MS)

Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	<u>MS Qualifier</u>
mg/l	mg/l	%		%	
7.81	13.1	105	1	90.0-110	

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc



L786033-01,02,03,04,05,06,07,08,09,10,11,12,13,14,15,16,17,18

• Duplicate (DUP)

t	DUP Result	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits
	su		%		%
	6.3	1	0.00		1

¹Cp

²Tc

³Ss

• Duplicate (DUP)

t	DUP Result	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits
	su		%		%
	7.2	1	0.14		1

⁴Cn

⁵Sr

⁶Qc

Laboratory Control Sample Duplicate (LCSD)

	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD	RPD Limits
	su	su	%	%	%			%	%
	6.32	6.33	99.2	112	98.2-102			0.158	20

⁷Gl

⁸Al

⁹Sc



L786033-21,22,23,24,25

Duplicate (DUP)

DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
SU		%		%
7.5	1	0.00		1

¹Cp

²Tc

³Ss

Laboratory Control Sample Duplicate (LCSD)

LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
SU	SU	%	%	%			%	%
6.31	6.32	99.1	112	98.2-102			0.158	20

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc



<u>MB Qualifier</u>	MB MDL	MB RDL
	umhos/cm	umhos/cm

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

Duplicate (DUP)

t	DUP Result	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits
	umhos/cm		%		%
	640	1	1.3		20

Duplicate (DUP)

t	DUP Result	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits
	umhos/cm		%		%
	880	1	0.00		20

Laboratory Control Sample Duplicate (LCSD)

	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD	RPD Limits
	umhos/cm	umhos/cm	%	%	%			%	%
	891	891	102	102	90.0-110			0.000	20



L786033-18,21,22,23,24,25

MB Qualifier	MB MDL umhos/cm	MB RDL umhos/cm

Duplicate (DUP)

DUP Result umhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
910	1	0.00		20

Duplicate (DUP)

DUP Result umhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
1000	1	0.00		20

Laboratory Control Sample Duplicate (LCSD)

LCS Result umhos/cm	LCSD Result umhos/cm	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
902	902	103	103	90.0-110			0.000	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc



L786033-01,02,03,04,05,06,07,08,09,10,11,12

<u>MB Qualifier</u>	MB MDL mg/l	MB RDL mg/l
	0.0519	1.00
	0.0099	0.100
	0.0774	5.00

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

• Duplicate (DUP)

t	DUP Result mg/l	Dilution	DUP RPD %	<u>DUP Qualifier</u>	DUP RPD Limits %
	105	10	1		20
	0.200	10	122	P1	20
	23.0	10	4		20

• Duplicate (DUP)

t	DUP Result mg/l	Dilution	DUP RPD %	<u>DUP Qualifier</u>	DUP RPD Limits %
	32.4	1	0		20
	0.601	1	17		20

Laboratory Control Sample Duplicate (LCSD)

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 %
40.3	40.3	101	101	90-110			0	20
8.01	8.03	100	100	90-110			0	20
40.6	40.5	102	101	90-110			0	20

• Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

) 09/05/15 11:53

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 %

PROJECT:
227000.0000.0000

SDG:
L786033

DATE/TIME:
09/11/15 13:42

PAGE:
121 of 172



[L786033-01,02,03,04,05,06,07,08,09,10,11,12](#)

• Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

09/05/15 11:53

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	%	%		%			%	%
116	624	630	102	103	10	80-120			1	20
0.0990	51.6	52.5	103	105	10	80-120			2	20
60.0	586	592	105	106	10	80-120			1	20

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc



L786033-13,14,15,16,17,18,21,22,23,24,25

<u>MB Qualifier</u>	MB MDL mg/l	MB RDL mg/l
	0.0519	1.00
	0.0099	0.100
	0.0774	5.00

• Duplicate (DUP)

t	DUP Result mg/l	Dilution	DUP RPD %	<u>DUP Qualifier</u>	DUP RPD Limits %
	0.502	1	25	J3	20
	0.353	1	2		20

• Duplicate (DUP)

t	DUP Result mg/l	Dilution	DUP RPD %	<u>DUP Qualifier</u>	DUP RPD Limits %
	94.9	10	2		20
	0.924	10	5		20

Laboratory Control Sample Duplicate (LCSD)

t	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 %
	39.5	39.6	99	99	90-110			0	20
	7.89	7.90	99	99	90-110			0	20
	40.1	40.0	100	100	90-110			0	20

Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

D) 09/05/15 15:59										
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 %
426	849	867	170	177	5	80-120	J5	J5	2	20

PROJECT:
227000.0000.0000

SDG:
L786033

DATE/TIME:
09/11/15 13:42

PAGE:
123 of 172

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc



L786033-13,14,15,16,17,18,21,22,23,24,25

Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

D) 09/05/15 15:59

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	%	%		%			%	%
0.810	44.1	41.9	173	164	5	80-120	J5	J5	5	20
107	566	546	184	176	5	80-120	J5	J5	4	20

¹Cp

²Tc

³Ss

⁴Cn

Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

D) 09/05/15 17:05

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	%	%		%			%	%
206	492	458	190	168	3	80-120	J5	J5	7	20
1.75	33.1	34.7	209	220	3	80-120	J5	J5	5	20
145	456	439	207	196	3	80-120	J5	J5	4	20

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc



L786033-01,10,11,12

MB Qualifier	MB MDL mg/l	MB RDL mg/l
	0.0519	1.00
	0.0774	5.00

Duplicate (DUP)

DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
32.0	1	0		20
66.5	1	0		20

Laboratory Control Sample Duplicate (LCSD)

LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
38.8	39.4	97	99	90-110			2	20
38.9	39.6	97	99	90-110			2	20

Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

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 %
95.0	142	141	94	93	1	80-120			1	20
44.6	93.5	93.4	98	98	1	80-120			0	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc



L786033-25

MB Qualifier	MB MDL mg/l	MB RDL mg/l
	0.000049	0.000200

¹Cp

²Tc

³Ss

Laboratory Control Sample Duplicate (LCSD)

⁴Cn

LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
0.00309	0.00309	103	103	80-120			0	20

⁵Sr

• Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

⁶Qc

09/01/15 15:15										
Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD	RPD Limits
mg/l	mg/l	mg/l	%	%		%			%	%
0.0000128	0.00302	0.00292	100	97	1	75-125			3	20

⁷Gl

⁸Al

⁹Sc



L786033-15,17,25

<u>MB Qualifier</u>	<u>MB MDL</u> mg/l	<u>MB RDL</u> mg/l
	0.000049	0.000200

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Laboratory Control Sample Duplicate (LCSD)

<u>LCS Result</u> mg/l	<u>LCSD Result</u> mg/l	<u>LCS Rec.</u> %	<u>LCSD Rec.</u> %	<u>Rec. Limits</u> %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	<u>RPD</u> %	<u>RPD Limits</u> %
0.00299	0.00293	100	98	80-120			2	20

Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

09/01/15 15:53

<u>Original Result</u> mg/l	<u>MS Result</u> mg/l	<u>MSD Result</u> mg/l	<u>MS Rec.</u> %	<u>MSD Rec.</u> %	<u>Dilution</u>	<u>Rec. Limits</u> %	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	<u>RPD</u> %	<u>RPD Limits</u> %
ND	0.00336	0.00315	112	105	1	75-125			6	20

Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

09/01/15 16:04

<u>Original Result</u> mg/l	<u>MS Result</u> mg/l	<u>MSD Result</u> mg/l	<u>MS Rec.</u> %	<u>MSD Rec.</u> %	<u>Dilution</u>	<u>Rec. Limits</u> %	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	<u>RPD</u> %	<u>RPD Limits</u> %
ND	0.00321	0.00306	107	102	1	75-125			5	20

PROJECT:
227000.0000.0000

SDG:
L786033

DATE/TIME:
09/11/15 13:42

PAGE:
127 of 172

QUALITY CONTROL SUMMARY

ONE LAB. NATIONWIDE.



[L786033-02,03,04,05,06,07,08,09,11,12,13,14,15,16,17,18,21,22,23,24](#)

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

MB Qualifier	MB MDL mg/l	MB RDL mg/l
	0.000049	0.000200

Laboratory Control Sample Duplicate (LCSD)

LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
0.00291	0.00271	97	90	80-120			7	20

Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

09/01/15 14:03

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 %
0.0000198	0.00318	0.00322	105	107	1	75-125			1	20

Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

09/01/15 14:09

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 %
ND	0.00302	0.00296	101	99	1	75-125			2	20

PROJECT:
227000.0000.0000

SDG:
L786033

DATE/TIME:
09/11/15 13:42

PAGE:
128 of 172

QUALITY CONTROL SUMMARY

ONE LAB. NATIONWIDE.



[L786033-01,02,03,04,05,06,07,08,09,10,11,12,13,14,15,16,17,18,21,22](#)

<u>MB Qualifier</u>	<u>MB MDL</u> mg/l	<u>MB RDL</u> mg/l
	0.035	0.200
	0.0017	0.00500
	0.0007	0.00200
	0.0007	0.00200
	0.0463	1.00
	0.0014	0.0100
	0.0023	0.0100
	0.0053	0.0100
	0.0141	0.100
	0.0111	1.00
	0.0012	0.0100
	0.0049	0.0100
	0.102	1.00
	0.0028	0.00500
	0.0985	1.00
	0.0024	0.0200
	0.0059	0.0500

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

Laboratory Control Sample Duplicate (LCSD)

<u>LCS Result</u> mg/l	<u>LCSD Result</u> mg/l	<u>LCS Rec.</u> %	<u>LCSD Rec.</u> %	<u>Rec. Limits</u> %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	<u>RPD</u> %	<u>RPD Limits</u> %
0.881	0.902	88	90	80-120			2	20
0.991	0.979	99	98	80-120			1	20
1.00	1.01	100	101	80-120			0	20
1.02	1.01	102	101	80-120			1	20
9.81	9.80	98	98	80-120			0	20
1.01	1.01	101	101	80-120			1	20
1.04	1.02	104	102	80-120			2	20
1.00	1.00	100	100	80-120			0	20
1.04	1.05	104	105	80-120			1	20
11.1	11.1	111	111	80-120			0	20
1.03	1.02	103	102	80-120			1	20
1.05	1.03	105	103	80-120			2	20
9.98	9.97	100	100	80-120			0	20

PROJECT:
227000.0000.0000

SDG:
L786033

DATE/TIME:
09/11/15 13:42

PAGE:
129 of 172

QUALITY CONTROL SUMMARY

ONE LAB. NATIONWIDE.



[L786033-01,02,03,04,05,06,07,08,09,10,11,12,13,14,15,16,17,18,21,22](#)

Laboratory Control Sample Duplicate (LCSD)

LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
mg/l	mg/l	%	%	%			%	%
1.07	1.05	107	105	80-120			2	20
9.52	9.64	95	96	80-120			1	20
1.01	1.02	101	102	80-120			1	20
1.01	0.995	101	99	80-120			2	20

Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

09/08/15 11:25

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	%	%		%			%	%
0.0109	0.858	0.883	85	87	1	75-125			3	20
0.137	1.11	1.11	97	97	1	75-125			0	20
0.0000946	1.02	1.02	102	102	1	75-125			0	20
ND	1.05	1.05	105	105	1	75-125			0	20
184	190	191	60	74	1	75-125	V	V	1	20
0.00156	1.00	1.00	100	100	1	75-125			0	20
ND	1.06	1.07	106	107	1	75-125			0	20
0.00480	1.02	1.03	102	102	1	75-125			0	20
0.0168	1.05	1.05	103	104	1	75-125			1	20
25.2	35.7	35.4	105	102	1	75-125			1	20
0.00776	1.02	1.02	101	102	1	75-125			0	20
0.00187	1.07	1.07	107	107	1	75-125			0	20
3.45	13.5	13.4	100	100	1	75-125			0	20
ND	1.11	1.11	111	111	1	75-125			0	20
130	136	138	67	84	1	75-125	V		1	20
0.0245	1.04	1.05	102	103	1	75-125			1	20
0.00662	1.01	1.01	100	101	1	75-125			0	20

Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

D) 09/08/15 12:31

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	%	%		%			%	%
ND	0.888	0.880	89	88	1	75-125			1	20
0.0981	1.06	1.07	96	97	1	75-125			1	20

PROJECT:
227000.0000.0000

SDG:
L786033

DATE/TIME:
09/11/15 13:42

PAGE:
130 of 172

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



[L786033-01,02,03,04,05,06,07,08,09,10,11,12,13,14,15,16,17,18,21,22](#)

Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

D) 09/08/15 12:31

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 %
0.0000397	1.00	1.01	100	101	1	75-125			0	20
ND	1.02	1.03	102	103	1	75-125			1	20
107	115	113	81	63	1	75-125		V	2	20
0.00866	1.00	1.01	99	101	1	75-125			1	20
ND	1.04	1.05	104	105	1	75-125			1	20
0.00264	1.02	1.03	101	102	1	75-125			1	20
0.0248	1.07	1.05	104	103	1	75-125			1	20
16.5	27.2	26.7	106	102	1	75-125			2	20
0.0129	1.02	1.02	101	101	1	75-125			0	20
0.00200	1.05	1.06	105	106	1	75-125			1	20
2.18	12.2	12.1	100	99	1	75-125			1	20
ND	1.08	1.09	108	109	1	75-125			1	20
51.6	58.7	58.1	71	65	1	75-125	V	V	1	20
0.0245	1.05	1.05	103	103	1	75-125			0	20
0.0284	1.01	1.02	99	99	1	75-125			1	20

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

PROJECT:
227000.0000.0000

SDG:
L786033

DATE/TIME:
09/11/15 13:42

PAGE:
131 of 172

QUALITY CONTROL SUMMARY

ONE LAB. NATIONWIDE.



L786033-23,24,25

<u>MB Qualifier</u>	<u>MB MDL</u> mg/l	<u>MB RDL</u> mg/l	¹Cp
	0.035	0.200	
	0.0017	0.00500	²Tc
	0.0007	0.00200	³Ss
	0.0007	0.00200	
	0.0463	1.00	⁴Cn
	0.0014	0.0100	
	0.0023	0.0100	⁵Sr
	0.0053	0.0100	
	0.0141	0.100	⁶Qc
	0.0111	1.00	
	0.0012	0.0100	⁷Gl
	0.0049	0.0100	
	0.102	1.00	⁸Al
	0.0028	0.00500	
	0.0985	1.00	⁹Sc
	0.0024	0.0200	
	0.0059	0.0500	

Laboratory Control Sample Duplicate (LCSD)

<u>LCS Result</u> mg/l	<u>LCSD Result</u> mg/l	<u>LCS Rec.</u> %	<u>LCSD Rec.</u> %	<u>Rec. Limits</u> %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	<u>RPD</u> %	<u>RPD Limits</u> %
1.01	0.994	101	99	80-120			2	20
1.05	1.04	105	104	80-120			1	20
1.07	1.06	107	106	80-120			1	20
1.08	1.07	108	107	80-120			1	20
10.2	10.1	102	101	80-120			1	20
1.05	1.05	105	105	80-120			1	20
1.07	1.05	107	105	80-120			1	20
1.04	1.03	104	103	80-120			1	20
1.03	1.03	103	103	80-120			1	20
10.8	10.7	108	107	80-120			2	20
1.03	1.02	103	102	80-120			1	20
1.05	1.04	105	104	80-120			1	20
10.3	10.2	103	102	80-120			1	20

PROJECT:
227000.0000.0000

SDG:
L786033

DATE/TIME:
09/11/15 13:42

PAGE:
132 of 172



L786033-23,24,25

Laboratory Control Sample Duplicate (LCSD)

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 %
1.07	1.06	107	106	80-120			1	20
10.4	10.2	104	102	80-120			1	20
1.08	1.07	108	107	80-120			0	20
1.03	1.02	103	102	80-120			1	20

• Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

09/02/15 17:23

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 %
ND	1.05	1.07	105	107	1	75-125			2	20
0.0165	1.03	1.03	102	102	1	75-125			0	20
ND	1.08	1.08	108	108	1	75-125			0	20
ND	1.13	1.14	113	114	1	75-125			0	20
321	337	337	162	159	1	75-125	<u>V</u>	<u>V</u>	0	20
0.000595	1.03	1.02	103	102	1	75-125			0	20
0.00170	1.11	1.11	110	111	1	75-125			0	20
0.00131	1.08	1.09	108	108	1	75-125			1	20
0.0110	1.04	1.05	103	103	1	75-125			0	20
30.5	41.0	41.2	105	107	1	75-125			0	20
0.00377	0.996	0.994	99	99	1	75-125			0	20
0.000197	1.09	1.09	109	109	1	75-125			0	20
1.78	12.4	12.4	106	106	1	75-125			0	20
ND	1.13	1.13	113	113	1	75-125			0	20
395	411	412	156	164	1	75-125	<u>V</u>	<u>V</u>	0	20
0.00386	1.09	1.09	109	109	1	75-125			0	20
0.00166	1.02	1.03	102	102	1	75-125			0	20

PROJECT:
227000.0000.0000

SDG:
L786033

DATE/TIME:
09/11/15 13:42

PAGE:
133 of 172

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

QUALITY CONTROL SUMMARY

ONE LAB. NATIONWIDE.



[L786033-01,02,03,04,05,06,07,08,09,10,11,12,13,14,15,16,17,18](#)

<u>MB Qualifier</u>	<u>MB MDL</u> mg/l	<u>MB RDL</u> mg/l
	0.00025	0.00200
	0.00036	0.00500
	0.00016	0.00100
	0.00054	0.00200
	0.00052	0.00500
	0.00026	0.00200
	0.00024	0.00200
	0.00025	0.00500
	0.00014	0.00500
	0.00035	0.00200
	0.00038	0.00200
	0.00031	0.00200
	0.00033	0.0100
	0.00256	0.0250

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

<u>MB Qualifier</u>	<u>MB MDL</u> mg/l	<u>MB RDL</u> mg/l
	0.0015	0.0200

Laboratory Control Sample Duplicate (LCSD)

<u>LCS Result</u> mg/l	<u>LCSD Result</u> mg/l	<u>LCS Rec.</u> %	<u>LCSD Rec.</u> %	<u>Rec. Limits</u> %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	<u>RPD</u> %	<u>RPD Limits</u> %
0.0478	0.0480	96	96	80-120			0	20
0.0477	0.0475	95	95	80-120			0	20
0.0478	0.0480	96	96	80-120			0	20
0.0465	0.0464	93	93	80-120			0	20
0.0484	0.0481	97	96	80-120			1	20
0.0473	0.0472	95	94	80-120			0	20
0.0475	0.0475	95	95	80-120			0	20
0.0464	0.0462	93	92	80-120			0	20

PROJECT:
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SDG:
L786033

DATE/TIME:
09/11/15 13:42

PAGE:
134 of 172



Laboratory Control Sample Duplicate (LCSD)

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 %
0.0478	0.0485	96	97	80-120			1	20
0.0465	0.0466	93	93	80-120			0	20
0.0472	0.0473	94	95	80-120			0	20
0.0496	0.0497	99	99	80-120			0	20
0.0450	0.0461	90	92	80-120			2	20
0.0457	0.0459	91	92	80-120			0	20

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

Laboratory Control Sample Duplicate (LCSD)

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 %
0.0462	0.0480	92	96	80-120			4	20

⁶ Qc

⁷ Gl

⁸ Al

Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

D) 09/08/15 14:42

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 %
0.00436	0.0528	0.0530	97	97	1	75-125			0	20
0.137	0.183	0.183	90	91	1	75-125			0	20
0.0000252	0.0478	0.0476	96	95	1	75-125			0	20
0.00109	0.0452	0.0446	88	87	1	75-125			1	20
0.00353	0.0496	0.0496	92	92	1	75-125			0	20
0.0000735	0.0442	0.0445	88	89	1	75-125			1	20
0.000477	0.0467	0.0472	92	93	1	75-125			1	20
0.00611	0.0533	0.0519	94	92	1	75-125			3	20
0.00204	0.0519	0.0516	100	99	1	75-125			1	20
0.000499	0.0428	0.0432	85	85	1	75-125			1	20
0.00360	0.0525	0.0522	98	97	1	75-125			1	20
0.0000748	0.0488	0.0497	97	99	1	75-125			2	20
0.00214	0.0485	0.0488	93	93	1	75-125			1	20
0.00917	0.0691	0.0600	120	102	1	75-125			14	20

⁹ Sc

PROJECT:
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SDG:
L786033

DATE/TIME:
09/11/15 13:42

PAGE:
135 of 172



[L786033-01,02,03,04,05,06,07,08,09,10,11,12,13,14,15,16,17,18](#)

Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

D) 09/08/15 15:34

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 %
0.00445	0.0519	0.0549	95	101	1	75-125			6	20
0.0950	0.144	0.145	99	100	1	75-125			1	20
0.0000270	0.0473	0.0492	94	98	1	75-125			4	20
0.00695	0.0519	0.0524	90	91	1	75-125			1	20
0.000917	0.0502	0.139	99	277	1	75-125		J3 J5	94	20
0.000150	0.0441	0.0461	88	92	1	75-125			4	20
0.000241	0.0474	0.0467	94	93	1	75-125			1	20
0.0106	0.0459	0.0473	71	73	1	75-125	J6	J6	3	20
0.00236	0.0516	0.0510	98	97	1	75-125			1	20
0.000600	0.0436	0.0459	86	91	1	75-125			5	20
0.00388	0.0506	0.0506	93	93	1	75-125			0	20
0.0000233	0.0489	0.0493	98	99	1	75-125			1	20
0.00174	0.0474	0.0476	91	92	1	75-125			0	20
0.0241	0.0648	0.0655	81	83	1	75-125			1	20

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

09/08/15 17:19

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 %
0.194	0.242	0.242	97	96	1	75-125			0	20

Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

D) 09/08/15 18:42

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 %
0.149	0.192	0.192	87	87	1	75-125			0	20

PROJECT:
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SDG:
L786033

DATE/TIME:
09/11/15 13:42

PAGE:
136 of 172

QUALITY CONTROL SUMMARY

ONE LAB. NATIONWIDE.



[L786033-21,22,23,24,25](#)

<u>MB Qualifier</u>	<u>MB MDL</u> mg/l	<u>MB RDL</u> mg/l
	0.00025	0.00200
	0.00036	0.00500
	0.0015	0.0200
	0.00016	0.00100
	0.00054	0.00200
	0.00052	0.00500
	0.00026	0.00200
	0.00024	0.00200
	0.00025	0.00500
	0.00014	0.00500
	0.00035	0.00200
	0.00038	0.00200
	0.00031	0.00200
	0.00033	0.0100
	0.00256	0.0250

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

Laboratory Control Sample Duplicate (LCSD)

<u>LCS Result</u> mg/l	<u>LCSD Result</u> mg/l	<u>LCS Rec.</u> %	<u>LCSD Rec.</u> %	<u>Rec. Limits</u> %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	<u>RPD</u> %	<u>RPD Limits</u> %
0.0494	0.0489	99	98	80-120			1	20
0.0515	0.0516	103	103	80-120			0	20
0.0490	0.0503	98	101	80-120			2	20
0.0492	0.0492	98	98	80-120			0	20
0.0471	0.0467	94	93	80-120			1	20
0.0511	0.0494	102	99	80-120			3	20
0.0490	0.0484	98	97	80-120			1	20
0.0503	0.0502	101	100	80-120			0	20
0.0474	0.0473	95	95	80-120			0	20
0.0506	0.0492	101	98	80-120			3	20
0.0508	0.0504	102	101	80-120			1	20
0.0490	0.0494	98	99	80-120			1	20
0.0506	0.0503	101	101	80-120			0	20
0.0489	0.0489	98	98	80-120			0	20
0.0506	0.0491	101	98	80-120			3	20

PROJECT:
227000.0000.0000

SDG:
L786033

DATE/TIME:
09/11/15 13:42

PAGE:
137 of 172



[L786033-21,22,23,24,25](#)

• Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

0) 09/03/15 01:25

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 %
0.000691	0.0500	0.0487	99	96	1	75-125			3	20
0.000145	0.0493	0.0497	98	99	1	75-125			1	20
0.00368	0.0506	0.0512	94	95	1	75-125			1	20
0.00000853	0.0497	0.0485	99	97	1	75-125			2	20
0.000283	0.0461	0.0461	92	92	1	75-125			0	20
0.000285	0.0487	0.0491	97	98	1	75-125			1	20
0.0000107	0.0478	0.0483	96	97	1	75-125			1	20
0.000128	0.0493	0.0491	98	98	1	75-125			0	20
0.000161	0.0463	0.0464	92	93	1	75-125			0	20
0.0000757	0.0472	0.0498	94	99	1	75-125			5	20
0.000162	0.0494	0.0501	99	100	1	75-125			1	20
0.0000304	0.0490	0.0487	98	97	1	75-125			1	20
0.0000246	0.0492	0.0495	98	99	1	75-125			0	20
0.00000264	0.0485	0.0492	97	98	1	75-125			1	20
0.00205	0.0503	0.0514	97	99	1	75-125			2	20

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

PROJECT:
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SDG:
L786033

DATE/TIME:
09/11/15 13:42

PAGE:
138 of 172

QUALITY CONTROL SUMMARY

ONE LAB. NATIONWIDE.



Method 8260B

[L786033-01,02,03,04,05,06,07,08,09,10,11,12,13,14,15,16,18,19,20,21](#)

<u>MB Qualifier</u>	MB MDL mg/l	MB RDL mg/l	¹ Cp
	0.0100	1.00	² Tc
	0.000331	0.00100	³ Ss
	0.000380	0.00125	⁴ Cn
	0.000469	0.00100	⁵ Sr
	0.000866	0.00500	⁶ Qc
	0.000361	0.00100	⁷ Gl
	0.000365	0.00100	⁸ Al
	0.000399	0.00100	⁹ Sc
	0.000275	0.00100	
	0.000379	0.00100	
	0.000348	0.00100	
	0.000327	0.00100	
	0.000453	0.00500	
	0.000324	0.00500	
	0.000276	0.00250	
	0.000381	0.00100	
	0.000259	0.00100	
	0.000361	0.00100	
	0.000398	0.00100	
	0.000260	0.00100	
	0.000396	0.00100	
	0.000306	0.00100	
	0.000418	0.00100	
	0.000419	0.00100	
	0.000384	0.00100	
	0.000256	0.00100	
	0.00382	0.0100	
	0.000326	0.00100	
	0.000350	0.00100	
	0.00393	0.0100	
	0.00100	0.00500	
	0.00214	0.0100	
	0.000367	0.00100	
	0.00100	0.00500	
	0.000349	0.00100	
	0.000307	0.00100	

PROJECT:
227000.0000.0000

SDG:
L786033

DATE/TIME:
09/11/15 13:42

PAGE:
139 of 172

QUALITY CONTROL SUMMARY

ONE LAB. NATIONWIDE.



Method 8260B

[L786033-01,02,03,04,05,06,07,08,09,10,11,12,13,14,15,16,18,19,20,21](#)

<u>MB Qualifier</u>	<u>MB MDL</u> mg/l	<u>MB RDL</u> mg/l
	0.000130	0.00100
	0.000372	0.00100
	0.000780	0.00500
	0.000319	0.00100
	0.000383	0.00100
	0.000398	0.00100
	0.000373	0.00100
	0.000387	0.00100
	0.000259	0.00100
	0.00106	0.00300
		90.0-115
		79.0-121
		80.1-120

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

Laboratory Control Sample Duplicate (LCSD)

<u>LCS Result</u> mg/l	<u>LCSD Result</u> mg/l	<u>LCS Rec.</u> %	<u>LCSD Rec.</u> %	<u>Rec. Limits</u> %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	<u>RPD</u> %	<u>RPD Limits</u> %
0.0605	0.0492	48.4	39.3	28.7-175			20.7	20.9
0.0226	0.0230	90.5	92.2	73.0-122			1.85	20
0.0236	0.0243	94.3	97.2	75.5-121			3.01	20
0.0272	0.0280	109	112	71.5-131			2.74	20
0.0190	0.0213	76.1	85.0	22.4-187			11.1	20
0.0258	0.0253	103	101	75.9-134			2.03	20
0.0269	0.0268	108	107	80.6-126			0.310	20
0.0267	0.0268	107	107	79.3-127			0.550	20
0.0196	0.0190	78.2	76.0	53.0-134			2.94	20
0.0223	0.0227	89.3	90.7	70.9-129			1.57	20
0.0264	0.0274	106	109	79.7-122			3.67	20
0.0266	0.0276	106	111	78.2-124			3.79	20
0.0199	0.0209	79.6	83.6	41.2-153			4.92	20
0.0217	0.0224	86.9	89.5	73.2-125			2.88	20
0.0192	0.0197	76.7	78.9	55.8-134			2.87	20
0.0254	0.0264	102	106	79.8-122			3.82	20
0.0228	0.0232	91.0	92.8	71.7-127			1.94	20

PROJECT:
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SDG:
L786033

DATE/TIME:
09/11/15 13:42

PAGE:
140 of 172

QUALITY CONTROL SUMMARY

ONE LAB. NATIONWIDE.



Method 8260B

[L786033-01,02,03,04,05,06,07,08,09,10,11,12,13,14,15,16,18,19,20,21](#)

Laboratory Control Sample Duplicate (LCSD)

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 %
0.0206	0.0208	82.5	83.0	65.3-126			0.640	20
0.0227	0.0228	90.9	91.0	59.9-137			0.180	20
0.0225	0.0227	89.9	90.8	77.3-122			1.01	20
0.0222	0.0227	88.6	90.7	72.6-125			2.35	20
0.0261	0.0271	105	108	77.4-125			3.49	20
0.0251	0.0256	101	102	77.7-124			1.88	20
0.0254	0.0258	102	103	73.5-127			1.54	20
0.0255	0.0262	102	105	80.9-121			2.66	20
0.0255	0.0240	102	96.0	73.7-133			6.05	20
0.113	0.119	90.1	95.2	59.4-151			5.49	20
0.0263	0.0270	105	108	81.6-124			2.42	20
0.0270	0.0267	108	107	77.6-129			1.38	20
0.108	0.105	86.4	84.0	46.4-155			2.83	20
0.0244	0.0245	97.5	97.9	69.5-120			0.400	20
0.123	0.127	98.4	102	63.3-138			3.29	20
0.0224	0.0229	89.6	91.4	70.1-125			2.03	20
0.0249	0.0249	99.7	99.8	69.7-134			0.130	20
0.0261	0.0266	104	106	81.9-122			1.80	20
0.0262	0.0264	105	106	79.9-124			0.880	20
0.0264	0.0275	105	110	79.3-123			4.05	20
0.0250	0.0262	100	105	73.5-130			4.50	20
0.0245	0.0252	98.2	101	77.9-116			2.46	20
0.0212	0.0218	85.0	87.0	71.1-129			2.42	20
0.0260	0.0271	104	108	81.6-120			4.36	20
0.0246	0.0254	98.2	102	79.5-121			3.51	20
0.0260	0.0260	104	104	79.0-122			0.370	20
0.0261	0.0264	104	106	81.0-123			1.06	20
0.0202	0.0207	81.0	82.9	61.5-134			2.36	20
0.0775	0.0796	103	106	79.2-122			2.60	20
		103	103	90.0-115				
		90.8	89.6	79.0-121				
		97.5	97.3	80.1-120				

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

PROJECT:
227000.0000.0000

SDG:
L786033

DATE/TIME:
09/11/15 13:42

PAGE:
141 of 172

QUALITY CONTROL SUMMARY

ONE LAB. NATIONWIDE.



Method 8260B

[L786033-01,02,03,04,05,06,07,08,09,10,11,12,13,14,15,16,18,19,20,21](#)

Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

SD) 09/05/15 03:53

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 %
ND	0.0592	0.0747	47.3	59.7	1	25.0-156		J3	23.2	21.5
0.00113	0.0226	0.0229	86.0	87.0	1	58.6-133			1.13	20
ND	0.0238	0.0244	95.2	97.7	1	69.2-127			2.61	20
ND	0.0272	0.0278	109	111	1	66.3-140			2.22	20
ND	0.0198	0.0182	79.0	72.6	1	16.6-183			8.45	20.5
ND	0.0255	0.0260	102	104	1	64.8-145			2.23	20
ND	0.0275	0.0277	110	111	1	66.8-139			0.460	20
ND	0.0261	0.0263	104	105	1	67.1-138			0.980	20
ND	0.0179	0.0183	71.7	73.2	1	34.9-138			2.04	20
ND	0.0221	0.0224	88.3	89.4	1	60.6-139			1.27	20
ND	0.0258	0.0261	103	104	1	70.1-130			1.14	20
ND	0.0263	0.0272	105	109	1	71.6-132			3.47	20
ND	0.0202	0.0198	80.9	79.0	1	33.3-155			2.30	20
0.000518	0.0220	0.0221	85.9	86.2	1	66.1-133			0.350	20
ND	0.0192	0.0192	76.9	76.6	1	40.7-139			0.380	20
ND	0.0253	0.0258	101	103	1	73.8-131			2.04	20
ND	0.0227	0.0228	90.8	91.3	1	64.0-134			0.600	20
ND	0.0207	0.0213	82.8	85.3	1	60.7-132			2.93	20
ND	0.0218	0.0224	87.4	89.4	1	48.8-144			2.31	20
ND	0.0221	0.0223	88.4	89.1	1	60.6-136			0.790	20
ND	0.0217	0.0219	86.7	87.6	1	61.0-132			1.04	20
ND	0.0261	0.0268	104	107	1	69.7-130			2.56	20
ND	0.0251	0.0253	100	101	1	71.1-129			0.780	20
ND	0.0255	0.0261	102	104	1	66.3-136			2.46	20
ND	0.0250	0.0254	99.9	101	1	62.7-136			1.59	20
ND	0.0249	0.0259	99.6	104	1	61.1-144			3.89	20.1
ND	0.125	0.134	99.6	107	1	59.4-154			7.30	20.1
ND	0.0255	0.0260	102	104	1	67.4-136			1.66	20
ND	0.0262	0.0265	105	106	1	62.8-143			0.910	20
ND	0.0931	0.103	74.5	82.6	1	45.0-156			10.4	20.8
ND	0.0232	0.0238	92.7	95.1	1	61.5-125			2.53	20
ND	0.129	0.135	103	108	1	60.7-150			4.78	20
ND	0.0230	0.0232	92.0	92.7	1	61.4-136			0.790	20
ND	0.0247	0.0264	98.9	105	1	61.8-143			6.44	20
ND	0.0255	0.0258	102	103	1	63.2-139			1.28	20
ND	0.0254	0.0259	102	103	1	68.2-133			1.79	20

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

PROJECT:
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SDG:
L786033

DATE/TIME:
09/11/15 13:42

PAGE:
142 of 172

[L786033-01,02,03,04,05,06,07,08,09,10,11,12,13,14,15,16,18,19,20,21](#)

Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

SD) 09/05/15 03:53

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	%	%		%			%	%
ND	0.0282	0.0289	113	116	1	64.9-145			2.48	20
ND	0.0247	0.0250	98.9	99.9	1	57.4-141			0.950	20
ND	0.0242	0.0248	96.7	99.3	1	67.8-124			2.66	20
ND	0.0214	0.0211	85.7	84.4	1	58.7-134			1.51	20
ND	0.0260	0.0263	104	105	1	74.1-130			1.18	20
ND	0.0237	0.0242	94.8	97.0	1	48.9-148			2.25	20
ND	0.0251	0.0258	100	103	1	60.5-137			2.58	20
ND	0.0255	0.0257	102	103	1	67.9-134			0.910	20
ND	0.0201	0.0200	80.4	80.1	1	44.3-143			0.370	20
ND	0.0754	0.0767	101	102	1	65.6-133			1.68	20
			105	104		90.0-115				
			92.4	92.2		79.0-121				
			97.6	96.9		80.1-120				

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

QUALITY CONTROL SUMMARY

ONE LAB. NATIONWIDE.



Method 8260B

[L786033-17,22,23,24,25](#)

<u>MB Qualifier</u>	<u>MB MDL</u> mg/l	<u>MB RDL</u> mg/l	¹ Cp
	0.0100	1.00	² Tc
	0.000331	0.00100	³ Ss
	0.000380	0.00125	⁴ Cn
	0.000469	0.00100	⁵ Sr
	0.000866	0.00500	⁶ Qc
	0.000361	0.00100	⁷ Gl
	0.000365	0.00100	⁸ Al
	0.000399	0.00100	⁹ Sc
	0.000275	0.00100	
	0.000379	0.00100	
	0.000348	0.00100	
	0.000327	0.00100	
	0.000453	0.00500	
	0.000324	0.00500	
	0.000276	0.00250	
	0.000381	0.00100	
	0.000259	0.00100	
	0.000361	0.00100	
	0.000398	0.00100	
	0.000260	0.00100	
	0.000396	0.00100	
	0.000306	0.00100	
	0.000418	0.00100	
	0.000419	0.00100	
	0.000384	0.00100	
	0.000256	0.00100	
	0.00382	0.0100	
	0.000326	0.00100	
	0.000350	0.00100	
	0.00393	0.0100	
	0.00100	0.00500	
	0.00214	0.0100	
	0.000367	0.00100	
	0.00100	0.00500	
	0.000349	0.00100	
	0.000307	0.00100	

PROJECT:
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SDG:
L786033

DATE/TIME:
09/11/15 13:42

PAGE:
144 of 172

QUALITY CONTROL SUMMARY

ONE LAB. NATIONWIDE.



Method 8260B

[L786033-17,22,23,24,25](#)

<u>MB Qualifier</u>	<u>MB MDL</u> mg/l	<u>MB RDL</u> mg/l
	0.000130	0.00100
	0.000372	0.00100
	0.000780	0.00500
	0.000319	0.00100
	0.000383	0.00100
	0.000398	0.00100
	0.000373	0.00100
	0.000387	0.00100
	0.000259	0.00100
	0.00106	0.00300
		90.0-115
		79.0-121
		80.1-120

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

Laboratory Control Sample Duplicate (LCSD)

<u>LCS Result</u> mg/l	<u>LCSD Result</u> mg/l	<u>LCS Rec.</u> %	<u>LCSD Rec.</u> %	<u>Rec. Limits</u> %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	<u>RPD</u> %	<u>RPD Limits</u> %
0.168	0.168	134	134	28.7-175			0.0900	20.9
0.0236	0.0237	94.4	94.7	73.0-122			0.320	20
0.0244	0.0243	97.8	97.3	75.5-121			0.500	20
0.0275	0.0268	110	107	71.5-131			2.46	20
0.0176	0.0183	70.3	73.3	22.4-187			4.18	20
0.0259	0.0263	104	105	75.9-134			1.54	20
0.0258	0.0264	103	106	80.6-126			2.44	20
0.0260	0.0267	104	107	79.3-127			2.79	20
0.0198	0.0207	79.1	82.8	53.0-134			4.52	20
0.0256	0.0265	102	106	70.9-129			3.49	20
0.0254	0.0251	101	101	79.7-122			0.910	20
0.0270	0.0268	108	107	78.2-124			0.530	20
0.0219	0.0226	87.5	90.5	41.2-153			3.36	20
0.0244	0.0250	97.8	99.9	73.2-125			2.16	20
0.0206	0.0212	82.3	84.7	55.8-134			2.80	20
0.0260	0.0260	104	104	79.8-122			0.0800	20
0.0251	0.0257	100	103	71.7-127			2.57	20

PROJECT:
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SDG:
L786033

DATE/TIME:
09/11/15 13:42

PAGE:
145 of 172

QUALITY CONTROL SUMMARY

ONE LAB. NATIONWIDE.



Method 8260B

[L786033-17,22,23,24,25](#)

Laboratory Control Sample Duplicate (LCSD)

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 %
0.0251	0.0248	100	99.3	65.3-126			0.880	20
0.0239	0.0246	95.5	98.6	59.9-137			3.19	20
0.0237	0.0244	94.9	97.7	77.3-122			2.96	20
0.0225	0.0234	90.1	93.4	72.6-125			3.65	20
0.0258	0.0253	103	101	77.4-125			2.10	20
0.0254	0.0246	102	98.6	77.7-124			3.06	20
0.0255	0.0245	102	98.1	73.5-127			4.01	20
0.0243	0.0243	97.2	97.2	80.9-121			0.0200	20
0.0273	0.0282	109	113	73.7-133			3.51	20
0.139	0.138	111	110	59.4-151			1.05	20
0.0250	0.0255	100	102	81.6-124			2.17	20
0.0259	0.0264	104	106	77.6-129			2.02	20
0.149	0.144	120	115	46.4-155			3.87	20
0.0235	0.0245	94.0	97.9	69.5-120			4.09	20
0.133	0.135	106	108	63.3-138			1.19	20
0.0249	0.0257	99.5	103	70.1-125			3.30	20
0.0265	0.0277	106	111	69.7-134			4.63	20
0.0253	0.0255	101	102	81.9-122			0.880	20
0.0255	0.0253	102	101	79.9-124			0.930	20
0.0268	0.0274	107	109	79.3-123			1.99	20
0.0245	0.0244	98.1	97.7	73.5-130			0.390	20
0.0229	0.0227	91.6	90.8	77.9-116			0.850	20
0.0247	0.0254	98.9	102	71.1-129			2.82	20
0.0253	0.0251	101	100	81.6-120			1.01	20
0.0243	0.0241	97.2	96.5	79.5-121			0.780	20
0.0243	0.0246	97.2	98.6	79.0-122			1.36	20
0.0249	0.0255	99.4	102	81.0-123			2.58	20
0.0222	0.0231	88.9	92.3	61.5-134			3.74	20
0.0718	0.0723	95.8	96.4	79.2-122			0.600	20
		100	99.9	90.0-115				
		99.9	104	79.0-121				
		95.5	95.6	80.1-120				

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

PROJECT:
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SDG:
L786033

DATE/TIME:
09/11/15 13:42

PAGE:
146 of 172

QUALITY CONTROL SUMMARY

ONE LAB. NATIONWIDE.



Method 8260B

[L786033-17,22,23,24,25](#)

Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

D) 09/05/15 09:15

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 %
0.00108	0.0861	0.0759	68.0	59.8	1	25.0-156			12.6	21.5
ND	0.0253	0.0243	101	97.2	1	58.6-133			3.84	20
ND	0.0249	0.0242	99.8	96.8	1	69.2-127			3.04	20
ND	0.0286	0.0275	114	110	1	66.3-140			3.93	20
ND	0.0199	0.0191	79.5	76.3	1	16.6-183			4.10	20.5
ND	0.0272	0.0276	109	111	1	64.8-145			1.61	20
ND	0.0267	0.0269	107	108	1	66.8-139			0.770	20
ND	0.0265	0.0266	106	106	1	67.1-138			0.210	20
ND	0.0264	0.0250	105	99.8	1	34.9-138			5.49	20
ND	0.0274	0.0260	110	104	1	60.6-139			5.20	20
ND	0.0264	0.0265	105	106	1	70.1-130			0.430	20
ND	0.0275	0.0273	110	109	1	71.6-132			0.540	20
ND	0.0249	0.0235	99.5	94.1	1	33.3-155			5.59	20
ND	0.0258	0.0243	103	97.2	1	66.1-133			6.02	20
ND	0.0241	0.0232	96.4	92.9	1	40.7-139			3.65	20
ND	0.0275	0.0272	110	109	1	73.8-131			1.03	20
ND	0.0267	0.0256	107	102	1	64.0-134			4.27	20
ND	0.0264	0.0250	106	99.9	1	60.7-132			5.50	20
ND	0.0273	0.0258	109	103	1	48.8-144			5.68	20
ND	0.0257	0.0243	103	97.1	1	60.6-136			5.63	20
ND	0.0259	0.0246	104	98.4	1	61.0-132			5.12	20
ND	0.0267	0.0258	107	103	1	69.7-130			3.30	20
ND	0.0262	0.0256	105	102	1	71.1-129			2.16	20
ND	0.0264	0.0256	106	102	1	66.3-136			3.20	20
ND	0.0253	0.0257	101	103	1	62.7-136			1.74	20
ND	0.0281	0.0283	112	113	1	61.1-144			0.920	20.1
ND	0.120	0.113	96.0	90.6	1	59.4-154			5.81	20.1
ND	0.0262	0.0261	105	104	1	67.4-136			0.360	20
ND	0.0272	0.0275	109	110	1	62.8-143			1.20	20
0.000458	0.114	0.104	91.2	82.5	1	45.0-156			10.0	20.8
ND	0.0246	0.0230	98.6	91.8	1	61.5-125			7.10	20
ND	0.141	0.128	113	102	1	60.7-150			9.95	20
ND	0.0269	0.0242	108	96.7	1	61.4-136			10.7	20
ND	0.0272	0.0262	109	105	1	61.8-143			3.92	20
ND	0.0266	0.0268	107	107	1	63.2-139			0.760	20
ND	0.0262	0.0262	105	105	1	68.2-133			0.110	20

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

PROJECT:
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SDG:
L786033

DATE/TIME:
09/11/15 13:42

PAGE:
147 of 172



Method 8260B

[L786033-17,22,23,24,25](#)

Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

D) 09/05/15 09:15

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	%	%		%			%	%
ND	0.0282	0.0268	113	107	1	64.9-145			4.80	20
ND	0.0266	0.0270	106	108	1	57.4-141			1.51	20
ND	0.0243	0.0237	97.3	94.9	1	67.8-124			2.48	20
ND	0.0262	0.0250	105	100	1	58.7-134			4.67	20
ND	0.0262	0.0261	105	104	1	74.1-130			0.510	20
ND	0.0260	0.0257	104	103	1	48.9-148			1.13	20
ND	0.0255	0.0255	102	102	1	60.5-137			0.260	20
ND	0.0264	0.0263	106	105	1	67.9-134			0.260	20
ND	0.0257	0.0249	103	99.8	1	44.3-143			2.94	20
ND	0.0758	0.0760	101	101	1	65.6-133			0.330	20
			99.5	101		90.0-115				
			104	99.8		79.0-121				
			95.3	96.9		80.1-120				

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc

QUALITY CONTROL SUMMARY

ONE LAB. NATIONWIDE.



Method 8260B

[L786033-26](#)

<u>MB Qualifier</u>	<u>MB MDL</u> mg/l	<u>MB RDL</u> mg/l	¹ Cp
	0.0100	1.00	² Tc
	0.000331	0.00100	³ Ss
	0.000380	0.00125	⁴ Cn
	0.000469	0.00100	⁵ Sr
	0.000866	0.00500	⁶ Qc
	0.000361	0.00100	⁷ Gl
	0.000365	0.00100	⁸ Al
	0.000399	0.00100	⁹ Sc
	0.000275	0.00100	
	0.000379	0.00100	
	0.000348	0.00100	
	0.000327	0.00100	
	0.000453	0.00500	
	0.000324	0.00500	
	0.000276	0.00250	
	0.000381	0.00100	
	0.000259	0.00100	
	0.000361	0.00100	
	0.000398	0.00100	
	0.000260	0.00100	
	0.000396	0.00100	
	0.000306	0.00100	
	0.000418	0.00100	
	0.000419	0.00100	
	0.000384	0.00100	
	0.000256	0.00100	
	0.00382	0.0100	
	0.000326	0.00100	
	0.000350	0.00100	
	0.00393	0.0100	
	0.00100	0.00500	
	0.00214	0.0100	
	0.000367	0.00100	
	0.00100	0.00500	
	0.000349	0.00100	
	0.000307	0.00100	

PROJECT:
227000.0000.0000

SDG:
L786033

DATE/TIME:
09/11/15 13:42

PAGE:
149 of 172

QUALITY CONTROL SUMMARY

ONE LAB. NATIONWIDE.



Method 8260B

L786033-26

<u>MB Qualifier</u>	<u>MB MDL</u> mg/l	<u>MB RDL</u> mg/l
	0.000130	0.00100
	0.000372	0.00100
	0.000780	0.00500
	0.000319	0.00100
	0.000383	0.00100
	0.000398	0.00100
	0.000373	0.00100
	0.000387	0.00100
	0.000259	0.00100
	0.00106	0.00300
		90.0-115
		79.0-121
		80.1-120

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

Laboratory Control Sample Duplicate (LCSD)

<u>LCS Result</u> mg/l	<u>LCSD Result</u> mg/l	<u>LCS Rec.</u> %	<u>LCSD Rec.</u> %	<u>Rec. Limits</u> %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	<u>RPD</u> %	<u>RPD Limits</u> %
0.169	0.167	135	134	28.7-175			1.22	20.9
0.0245	0.0227	98.1	91.0	73.0-122			7.51	20
0.0276	0.0259	111	104	75.5-121			6.31	20
0.0306	0.0285	122	114	71.5-131			6.91	20
0.0265	0.0235	106	94.0	22.4-187			11.8	20
0.0302	0.0292	121	117	75.9-134			3.24	20
0.0301	0.0296	120	118	80.6-126			1.76	20
0.0298	0.0292	119	117	79.3-127			1.97	20
0.0203	0.0162	81.0	64.9	53.0-134		J3	22.2	20
0.0261	0.0250	104	99.9	70.9-129			4.23	20
0.0290	0.0279	116	111	79.7-122			3.81	20
0.0300	0.0280	120	112	78.2-124			6.84	20
0.0223	0.0196	89.1	78.6	41.2-153			12.6	20
0.0253	0.0239	101	95.7	73.2-125			5.46	20
0.0214	0.0189	85.7	75.5	55.8-134			12.7	20
0.0299	0.0274	119	109	79.8-122			8.68	20
0.0247	0.0233	98.9	93.2	71.7-127			5.94	20

PROJECT:
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SDG:
L786033

DATE/TIME:
09/11/15 13:42

PAGE:
150 of 172

QUALITY CONTROL SUMMARY

ONE LAB. NATIONWIDE.



Method 8260B

L786033-26

Laboratory Control Sample Duplicate (LCSD)

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 %
0.0265	0.0243	106	97.1	65.3-126			8.67	20
0.0243	0.0224	97.1	89.5	59.9-137			8.18	20
0.0248	0.0232	99.2	92.7	77.3-122			6.75	20
0.0247	0.0225	98.7	90.2	72.6-125			9.04	20
0.0268	0.0251	107	100	77.4-125			6.29	20
0.0290	0.0269	116	108	77.7-124			7.51	20
0.0304	0.0280	122	112	73.5-127			8.17	20
0.0289	0.0278	116	111	80.9-121			3.67	20
0.0313	0.0299	125	119	73.7-133			4.82	20
0.169	0.163	135	130	59.4-151			3.74	20
0.0298	0.0291	119	116	81.6-124			2.37	20
0.0315	0.0310	126	124	77.6-129			1.61	20
0.141	0.133	113	107	46.4-155			5.65	20
0.0227	0.0201	90.8	80.6	69.5-120			11.9	20
0.139	0.131	112	104	63.3-138			6.63	20
0.0247	0.0226	98.9	90.2	70.1-125			9.17	20
0.0290	0.0258	116	103	69.7-134			12.0	20
0.0293	0.0287	117	115	81.9-122			1.96	20
0.0318	0.0303	127	121	79.9-124	J4		4.67	20
0.0289	0.0269	115	107	79.3-123			7.18	20
0.0300	0.0291	120	116	73.5-130			3.13	20
0.0269	0.0253	108	101	77.9-116			6.05	20
0.0255	0.0248	102	99.0	71.1-129			2.80	20
0.0287	0.0268	115	107	81.6-120			7.03	20
0.0274	0.0262	110	105	79.5-121			4.55	20
0.0302	0.0294	121	118	79.0-122			2.43	20
0.0299	0.0291	120	116	81.0-123			2.76	20
0.0223	0.0194	89.2	77.6	61.5-134			13.9	20
0.0879	0.0847	117	113	79.2-122			3.66	20
		98.1	98.1	90.0-115				
		90.7	90.7	79.0-121				
		100	101	80.1-120				

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

PROJECT:
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SDG:
L786033

DATE/TIME:
09/11/15 13:42

PAGE:
151 of 172

QUALITY CONTROL SUMMARY

ONE LAB. NATIONWIDE.



Method 8260B

L786033-26

Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

09/08/15 15:45

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 %
0.00764	0.148	0.141	112	107	1	25.0-156			4.84	21.5
ND	0.0222	0.0217	88.7	86.8	1	58.6-133			2.13	20
ND	0.0253	0.0249	101	99.6	1	69.2-127			1.71	20
ND	0.0272	0.0283	109	113	1	66.3-140			4.17	20
ND	0.0213	0.0203	85.2	81.0	1	16.6-183			5.02	20.5
ND	0.0271	0.0266	108	106	1	64.8-145			1.74	20
ND	0.0276	0.0266	110	106	1	66.8-139			3.78	20
ND	0.0273	0.0263	109	105	1	67.1-138			3.76	20
ND	0.0150	0.0144	60.1	57.4	1	34.9-138			4.50	20
ND	0.0229	0.0224	91.4	89.4	1	60.6-139			2.23	20
ND	0.0258	0.0256	103	103	1	70.1-130			0.550	20
ND	0.0266	0.0272	107	109	1	71.6-132			1.96	20
ND	0.0189	0.0177	75.6	70.7	1	33.3-155			6.68	20
ND	0.0237	0.0229	94.9	91.5	1	66.1-133			3.74	20
ND	0.0177	0.0169	70.9	67.5	1	40.7-139			4.86	20
ND	0.0268	0.0271	107	109	1	73.8-131			1.43	20
ND	0.0229	0.0221	91.5	88.3	1	64.0-134			3.58	20
ND	0.0247	0.0241	98.8	96.2	1	60.7-132			2.67	20
ND	0.0206	0.0199	82.2	79.7	1	48.8-144			3.10	20
ND	0.0229	0.0220	91.6	87.8	1	60.6-136			4.20	20
ND	0.0217	0.0205	86.9	82.0	1	61.0-132			5.76	20
0.00117	0.0247	0.0244	94.0	93.0	1	69.7-130			0.960	20
ND	0.0262	0.0263	105	105	1	71.1-129			0.170	20
0.000602	0.0274	0.0280	107	110	1	66.3-136			2.42	20
ND	0.0253	0.0251	101	100	1	62.7-136			0.630	20
ND	0.0287	0.0283	115	113	1	61.1-144			1.68	20.1
0.000670	0.152	0.161	121	128	1	59.4-154			5.71	20.1
ND	0.0270	0.0262	108	105	1	67.4-136			3.22	20
ND	0.0290	0.0278	116	111	1	62.8-143			4.23	20
0.00174	0.127	0.127	100	100	1	45.0-156			0.0900	20.8
ND	0.0204	0.0194	81.7	77.5	1	61.5-125			5.29	20
0.000801	0.137	0.142	109	113	1	60.7-150			3.49	20
ND	0.0239	0.0236	95.5	94.2	1	61.4-136			1.28	20
0.000377	0.0279	0.0290	110	114	1	61.8-143			3.69	20
ND	0.0264	0.0257	105	103	1	63.2-139			2.72	20
ND	0.0283	0.0281	113	112	1	68.2-133			0.960	20

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

PROJECT:
227000.0000.0000

SDG:
L786033

DATE/TIME:
09/11/15 13:42

PAGE:
152 of 172



Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

09/08/15 15:45

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 %
ND	0.0281	0.0286	112	114	1	64.9-145			1.83	20
ND	0.0254	0.0250	102	99.9	1	57.4-141			1.83	20
0.000410	0.0240	0.0240	94.4	94.3	1	67.8-124			0.0600	20
ND	0.0229	0.0229	91.5	91.7	1	58.7-134			0.280	20
ND	0.0262	0.0268	105	107	1	74.1-130			2.34	20
ND	0.0244	0.0237	97.8	94.8	1	48.9-148			3.10	20
0.000375	0.0280	0.0269	111	106	1	60.5-137			4.15	20
ND	0.0277	0.0264	111	106	1	67.9-134			4.73	20
ND	0.0177	0.0172	71.0	68.7	1	44.3-143			3.30	20
0.000513	0.0784	0.0771	104	102	1	65.6-133			1.73	20
			97.7	99.2		90.0-115				
			94.5	92.7		79.0-121				
			99.4	99.4		80.1-120				

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

PROJECT:
227000.0000.0000

SDG:
L786033

DATE/TIME:
09/11/15 13:42

PAGE:
153 of 172

QUALITY CONTROL SUMMARY

ONE LAB. NATIONWIDE.



MS) by Method 8270 C [L786033-01,02,03,04,05,06,07,08,09,10,11,12,13,14,15,16,18,21,22,23](#)

<u>MB Qualifier</u>	<u>MB MDL</u> mg/l	<u>MB RDL</u> mg/l	¹ Cp
	0.000316	0.00100	
	0.000309	0.00100	² Tc
	0.00247	0.0100	³ Ss
	0.000291	0.00100	
	0.000260	0.0100	⁴ Cn
	0.00140	0.0100	
	0.0000510	0.00100	⁵ Sr
	0.0000896	0.00100	
	0.000355	0.00100	⁶ Qc
	0.00000227	0.00100	
	0.0000381	0.000200	⁷ Gl
	0.000325	0.0100	
	0.000329	0.0100	⁸ Al
	0.00162	0.0100	
	0.000445	0.0100	⁹ Sc
	0.000335	0.0100	
	0.00259	0.0100	
	0.000260	0.0100	
	0.000382	0.0100	
	0.000330	0.00100	
	0.000303	0.0100	
	0.000332	0.00100	
	0.0000644	0.000200	
	0.000338	0.0100	
	0.00202	0.0100	
	0.00165	0.0100	
	0.000279	0.0100	
	0.000310	0.00100	
	0.000323	0.00100	
	0.000341	0.00100	
	0.000329	0.0100	
	0.00233	0.0100	
	0.000365	0.0100	
	0.000279	0.00100	
	0.000272	0.0100	
	0.000332	0.00100	

PROJECT:
227000.0000.0000

SDG:
L786033

DATE/TIME:
09/11/15 13:42

PAGE:
154 of 172

QUALITY CONTROL SUMMARY

ONE LAB. NATIONWIDE.



MS) by Method 8270 C [L786033-01,02,03,04,05,06,07,08,09,10,11,12,13,14,15,16,18,21,22,23](#)

MB Qualifier	MB MDL mg/l	MB RDL mg/l	
	0.000311	0.00100	¹ Cp
	0.000372	0.00100	² Tc
	0.00190	0.0100	³ Ss
	0.000308	0.0100	⁴ Cn
	0.000349	0.0100	⁵ Sr
	0.000367	0.0100	⁶ Qc
	0.000304	0.0100	⁷ Gl
	0.000403	0.0100	⁸ Al
	0.000366	0.00100	⁹ Sc
	0.000275	0.00300	
	0.000709	0.00300	
	0.000266	0.00300	
	0.000282	0.00300	
	0.000283	0.00300	
	0.000278	0.00300	
	0.000330	0.00100	
	0.000355	0.0100	
	0.000263	0.0100	
	0.000283	0.0100	
	0.000312	0.0100	
	0.000266	0.0100	
	0.000284	0.0100	
	0.000624	0.0100	
	0.00262	0.0100	
	0.00325	0.0100	
	0.000320	0.0100	
	0.00201	0.0100	
	0.000313	0.0100	
	0.000334	0.0100	
	0.000236	0.0100	
	0.000297	0.0100	
		21.8-123	
		29.5-131	
		29.3-137	
		5.00-70.1	
		10.0-77.9	

PROJECT:
227000.0000.0000

SDG:
L786033

DATE/TIME:
09/11/15 13:42

PAGE:
155 of 172

QUALITY CONTROL SUMMARY

ONE LAB. NATIONWIDE.



MS) by Method 8270 C [L786033-01,02,03,04,05,06,07,08,09,10,11,12,13,14,15,16,18,21,22,23](#)

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

MB Qualifier	MB MDL mg/l	MB RDL mg/l
		11.2-130

Laboratory Control Sample Duplicate (LCSD)

LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
0.0394	0.0421	78.7	84.2	38.7-109			6.70	21.5
0.0425	0.0477	85.0	95.4	36.0-106			11.4	21
0.0332	0.0373	66.3	74.6	41.6-104			11.7	24.8
0.0380	0.0398	76.1	79.6	43.6-113			4.55	18.8
0.0425	0.0452	85.1	90.4	50.0-123			6.02	21.5
0.0315	0.0424	63.0	84.8	11.7-132		J3	29.5	25.2
0.0390	0.0406	78.0	81.1	51.2-112			4.01	20
0.0399	0.0422	79.8	84.5	47.6-111			5.72	20
0.0410	0.0412	82.0	82.5	49.4-114			0.570	20
0.0424	0.0434	84.8	86.8	45.2-117			2.41	20
0.0418	0.0438	83.6	87.6	45.6-106			4.64	20
0.0421	0.0466	84.2	93.1	38.0-103			10.1	20.1
0.0397	0.0439	79.5	87.8	37.2-111			9.97	24.1
0.0310	0.0329	62.0	65.7	22.6-108			5.90	27.9
0.0383	0.0421	76.7	84.3	32.9-100			9.45	25.1
0.0379	0.0412	75.9	82.3	40.7-116			8.14	21
0.0111	0.0111	22.2	22.3	10.0-40.4			0.270	40
0.0461	0.0488	92.1	97.6	49.0-110			5.83	20
0.0412	0.0452	82.4	90.3	32.0-104			9.15	26.4
0.0407	0.0444	81.4	88.8	33.6-105			8.75	23
0.0409	0.0439	81.8	87.9	39.0-113			7.16	20.9
0.0395	0.0392	79.0	78.5	54.6-120			0.610	20
0.0392	0.0420	78.4	84.1	42.8-118			7.00	20
0.0427	0.0455	85.3	90.9	42.4-105			6.32	20
0.0410	0.0419	82.0	83.9	27.2-142			2.27	22.3
0.0438	0.0469	87.5	93.8	31.2-105			6.96	22
0.0420	0.0458	84.0	91.5	30.6-106			8.58	23.1
0.0407	0.0432	81.5	86.4	45.9-115			5.88	20
0.0427	0.0451	85.5	90.3	41.0-112			5.45	20.2

PROJECT:
227000.0000.0000

SDG:
L786033

DATE/TIME:
09/11/15 13:42

PAGE:
156 of 172

Laboratory Control Sample Duplicate (LCSD)

LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
mg/l	mg/l	%	%	%			%	%
0.0378	0.0410	75.7	82.0	38.5-116			8.07	20.1
0.0322	0.0366	64.4	73.3	16.1-104			12.8	31.2
0.0229	0.0269	45.8	53.8	10.0-121			16.1	27.9
0.0318	0.0375	63.5	75.1	16.5-89.8			16.7	30.7
0.0419	0.0442	83.8	88.5	45.0-116			5.47	20
0.0457	0.0496	91.5	99.3	35.4-112			8.17	21.5
0.0378	0.0413	75.6	82.6	34.7-102			8.83	24.9
0.0325	0.0354	65.1	70.7	33.8-98.6			8.35	24.2
0.0331	0.0374	66.1	74.8	32.2-101			12.3	23.8
0.0451	0.0479	90.1	95.7	35.6-113			6.02	20.9
0.0448	0.0476	89.6	95.2	33.6-103			6.11	21.8
0.0803	0.0921	161	184	35.4-124	J4	J4	13.6	23.1
0.0450	0.0500	90.1	99.9	31.4-106			10.4	25.7
0.0423	0.0460	84.6	92.0	44.4-113			8.39	20
0.0385	0.0430	77.0	86.0	33.2-106			11.1	23.7
0.0350	0.0372	70.1	74.4	46.4-113			5.94	20
0.0454	0.0469	90.8	93.8	31.8-123			3.28	20.7
0.0461	0.0452	92.3	90.4	36.9-134			2.07	23.6
0.0452	0.0473	90.5	94.5	41.8-120			4.35	20.2
0.0493	0.0526	98.6	105	36.5-129			6.52	20
0.0441	0.0472	88.1	94.3	35.3-128			6.78	20.8
0.0458	0.0474	91.6	94.8	39.7-112			3.39	21.1
0.0409	0.0410	81.8	82.1	46.3-117			0.380	20
0.0316	0.0373	63.3	74.5	22.9-96.1			16.4	27.5
0.0449	0.0487	89.8	97.3	35.7-100			8.03	22.9
0.0323	0.0375	64.5	74.9	26.2-91.5			14.9	26.5
0.0307	0.0346	61.4	69.3	26.4-86.9			12.0	26.5
0.0346	0.0362	69.2	72.3	27.9-92.0			4.47	27
0.0383	0.0418	76.7	83.5	31.4-103			8.49	24.9
0.0449	0.0497	89.8	99.5	31.9-107			10.2	25.7
0.0385	0.0459	77.0	91.7	18.4-148			17.4	24.4
0.0269	0.0335	53.9	67.1	24.2-128		J3	21.9	20.5
0.0389	0.0426	77.7	85.2	25.9-106			9.19	26.9
0.0195	0.0214	39.1	42.8	10.0-52.7			8.97	40
0.0380	0.0410	76.0	82.0	10.0-97.4			7.48	35.1
0.0189	0.0207	37.7	41.4	10.0-57.9			9.26	35

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

QUALITY CONTROL SUMMARY

ONE LAB. NATIONWIDE.



MS) by Method 8270 C [L786033-01,02,03,04,05,06,07,08,09,10,11,12,13,14,15,16,18,21,22,23](#)

Laboratory Control Sample Duplicate (LCSD)

LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
0.0456	0.0494	91.2	98.9	34.9-112			8.12	23.9
0.0426	0.0473	85.2	94.7	29.8-107			10.5	24.1
		89.0	90.6	21.8-123				
		82.7	86.6	29.5-131				
		75.6	71.1	29.3-137				
		36.6	39.4	5.00-70.1				
		46.9	59.2	10.0-77.9				
		72.0	75.5	11.2-130				

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

09/03/15 13:34

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 %
ND	0.0414	0.0417	82.7	83.4	1	30.7-124			0.820	22.6
ND	0.0458	0.0459	91.6	91.8	1	29.0-122			0.250	23.9
ND	0.0374	0.0364	74.8	72.8	1	24.2-127			2.71	34.9
ND	0.0408	0.0416	81.7	83.2	1	34.2-135			1.92	20
ND	0.0446	0.0443	89.2	88.6	1	23.1-172			0.760	20
ND	0.0292	0.0281	58.3	56.1	1	10.0-152			3.85	37.7
ND	0.0411	0.0419	82.1	83.8	1	35.7-138			2.00	20
ND	0.0466	0.0455	93.2	91.0	1	23.0-145			2.45	20
ND	0.0442	0.0448	88.3	89.6	1	29.5-143			1.39	20
ND	0.0478	0.0457	95.7	91.4	1	10.0-148			4.59	21
ND	0.0466	0.0472	93.2	94.4	1	23.3-135			1.27	20
ND	0.0449	0.0444	89.8	88.8	1	26.4-118			1.14	20
ND	0.0438	0.0425	87.6	85.1	1	26.4-127			2.87	25.8
ND	0.0346	0.0332	69.2	66.3	1	10.0-154			4.20	40
ND	0.0428	0.0384	85.6	76.9	1	19.4-126			10.8	37.2
ND	0.0414	0.0421	82.9	84.3	1	34.3-135			1.68	23.2
ND	0.0101	0.0105	20.2	21.0	1	10.0-64.0			3.70	37.3
ND	0.0519	0.0517	104	103	1	33.3-134			0.380	20
ND	0.0436	0.0409	87.2	81.8	1	10.0-123			6.34	21.9
ND	0.0436	0.0431	87.1	86.2	1	29.7-114			1.11	24.2
ND	0.0441	0.0440	88.1	87.9	1	35.6-127			0.230	20
ND	0.0425	0.0426	85.0	85.2	1	37.0-145			0.200	20

⁷ Gl

⁸ Al

⁹ Sc

PROJECT:
227000.0000.0000

SDG:
L786033

DATE/TIME:
09/11/15 13:42

PAGE:
158 of 172

QUALITY CONTROL SUMMARY

ONE LAB. NATIONWIDE.



MS) by Method 8270 C [L786033-01,02,03,04,05,06,07,08,09,10,11,12,13,14,15,16,18,21,22,23](#)

Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

09/03/15 13:34

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 %
ND	0.0455	0.0449	91.0	89.8	1	10.0-147			1.30	22.3
ND	0.0453	0.0455	90.7	90.9	1	28.0-127			0.260	20
ND	0.0440	0.0441	87.9	88.2	1	10.0-162			0.340	26.9
ND	0.0466	0.0492	93.2	98.5	1	16.2-135			5.52	20.6
ND	0.0461	0.0454	92.2	90.8	1	25.2-124			1.50	22.2
ND	0.0454	0.0460	90.8	92.0	1	37.1-139			1.34	20
ND	0.0450	0.0464	90.1	92.8	1	10.0-162			2.96	20
ND	0.0409	0.0437	81.9	87.4	1	31.9-135			6.49	20
ND	0.0386	0.0354	77.3	70.8	1	15.7-109			8.78	37.6
ND	0.0169	0.0199	33.8	39.7	1	10.0-123			16.1	27.8
ND	0.0384	0.0366	76.8	73.3	1	10.4-105			4.67	40
ND	0.0464	0.0459	92.8	91.8	1	10.0-145			1.12	20
ND	0.0493	0.0488	98.7	97.5	1	25.9-133			1.19	22.9
ND	0.0412	0.0402	82.5	80.3	1	10.0-149			2.66	26
ND	0.0345	0.0349	68.9	69.9	1	24.6-114			1.31	23.7
ND	0.0371	0.0347	74.1	69.3	1	20.2-114			6.66	27.5
ND	0.0458	0.0479	91.6	95.8	1	23.5-134			4.50	21.8
ND	0.0454	0.0473	90.9	94.5	1	10.0-128			3.92	23
ND	0.0935	0.0950	187	190	1	10.0-168	J5	J5	1.59	22.4
ND	0.0516	0.0481	103	96.1	1	23.1-121			7.18	29
ND	0.0460	0.0474	92.1	94.9	1	20.6-150			3.02	20
ND	0.0419	0.0414	83.7	82.8	1	23.9-125			1.17	29.7
ND	0.0391	0.0395	78.2	79.0	1	33.0-139			1.07	20
ND	0.0482	0.0505	96.3	101	1	13.3-159			4.72	21.2
0.000511	0.0469	0.0456	92.8	90.2	1	15.5-152			2.85	27.6
ND	0.0497	0.0504	99.5	101	1	26.0-152			1.39	20
ND	0.0510	0.0528	102	106	1	21.6-154			3.52	20
ND	0.0474	0.0478	94.7	95.7	1	10.0-157			0.980	20
ND	0.0489	0.0495	97.7	98.9	1	12.3-145			1.21	22.9
ND	0.0436	0.0442	87.2	88.5	1	35.5-139			1.37	20
ND	0.0357	0.0350	71.5	70.0	1	21.4-101			2.14	31.3
ND	0.0494	0.0500	98.8	100	1	35.7-110			1.17	20
ND	0.0374	0.0366	74.7	73.3	1	13.9-105			1.96	32.4
ND	0.0335	0.0335	66.9	67.1	1	10.0-133			0.250	40
ND	0.0370	0.0373	73.9	74.5	1	17.4-100			0.790	27.7
ND	0.0417	0.0399	83.4	79.8	1	34.7-107			4.47	27.3

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

PROJECT:
227000.0000.0000

SDG:
L786033

DATE/TIME:
09/11/15 13:42

PAGE:
159 of 172

Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

09/03/15 13:34

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 %
ND	0.0461	0.0452	92.3	90.4	1	10.0-152			2.05	35.4
ND	0.0234	0.0357	46.7	71.3	1	10.0-151		J3	41.6	37.4
ND	0.0165	0.0319	32.9	63.9	1	10.0-136		J3	63.9	40
ND	0.0406	0.0398	81.1	79.6	1	26.7-114			1.86	34
ND	0.0142	0.0189	28.3	37.8	1	10.0-130			28.7	40
ND	0.0280	0.0386	56.0	77.3	1	10.0-108			32.0	40
ND	0.0223	0.0230	44.6	46.1	1	10.0-64.1			3.27	40
ND	0.0443	0.0489	88.7	97.7	1	30.6-120			9.68	33.8
ND	0.0402	0.0448	80.4	89.7	1	19.1-114			10.9	29.9
			91.5	89.2		21.8-123				
			86.7	88.6		29.5-131				
			82.1	85.9		29.3-137				
			41.2	43.2		5.00-70.1				
			58.7	56.7		10.0-77.9				
			77.5	77.6		11.2-130				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

QUALITY CONTROL SUMMARY

ONE LAB. NATIONWIDE.



MS) by Method 8270 C

[L786033-17,24,25](#)

<u>MB Qualifier</u>	<u>MB MDL</u> mg/l	<u>MB RDL</u> mg/l	¹ Cp
	0.000316	0.00100	² Tc
	0.000309	0.00100	³ Ss
	0.00247	0.0100	⁴ Cn
	0.000291	0.00100	⁵ Sr
	0.000260	0.0100	⁶ Qc
	0.00140	0.0100	⁷ Gl
	0.0000510	0.00100	⁸ Al
	0.0000896	0.00100	⁹ Sc
	0.000355	0.00100	
	0.00000227	0.00100	
	0.0000381	0.000200	
	0.000325	0.0100	
	0.000329	0.0100	
	0.00162	0.0100	
	0.000445	0.0100	
	0.000335	0.0100	
	0.00259	0.0100	
	0.000260	0.0100	
	0.000382	0.0100	
	0.000330	0.00100	
	0.000303	0.0100	
	0.000332	0.00100	
	0.0000644	0.000200	
	0.000338	0.0100	
	0.00202	0.0100	
	0.00165	0.0100	
	0.000279	0.0100	
	0.000310	0.00100	
	0.000323	0.00100	
	0.000341	0.00100	
	0.000329	0.0100	
	0.00233	0.0100	
	0.000365	0.0100	
	0.000279	0.00100	
	0.000272	0.0100	
	0.000332	0.00100	

PROJECT:
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L786033

DATE/TIME:
09/11/15 13:42

PAGE:
161 of 172

MB Qualifier	MB MDL	MB RDL	
	mg/l	mg/l	
	0.000311	0.00100	1Cp
	0.000372	0.00100	2Tc
	0.00190	0.0100	3Ss
	0.000308	0.0100	4Cn
	0.000349	0.0100	
	0.000367	0.0100	5Sr
	0.000304	0.0100	
	0.000403	0.0100	6Qc
	0.000366	0.00100	
	0.000275	0.00300	7Gl
	0.000709	0.00300	
	0.000266	0.00300	8Al
	0.000282	0.00300	
	0.000283	0.00300	9Sc
	0.000278	0.00300	
	0.000330	0.00100	
	0.000355	0.0100	
	0.000263	0.0100	
	0.000283	0.0100	
	0.000312	0.0100	
	0.000266	0.0100	
	0.000284	0.0100	
	0.000624	0.0100	
	0.00262	0.0100	
	0.00325	0.0100	
	0.000320	0.0100	
	0.00201	0.0100	
	0.000313	0.0100	
	0.000334	0.0100	
	0.000236	0.0100	
	0.000297	0.0100	
		21.8-123	
		29.5-131	
		29.3-137	
		5.00-70.1	
		10.0-77.9	

MB Qualifier	MB MDL	MB RDL
	mg/l	mg/l
		11.2-130

Laboratory Control Sample Duplicate (LCSD)

LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
mg/l	mg/l	%	%	%			%	%
0.0319	0.0257	63.8	51.4	38.7-109		J3	21.6	21.5
0.0336	0.0273	67.2	54.6	36.0-106			20.8	21
0.0213	0.0177	42.7	35.3	41.6-104		J4	18.9	24.8
0.0399	0.0325	79.9	64.9	43.6-113		J3	20.7	18.8
0.0472	0.0373	94.3	74.6	50.0-123		J3	23.3	21.5
0.0140	0.0114	28.0	22.8	11.7-132			20.2	25.2
0.0392	0.0320	78.4	64.1	51.2-112		J3	20.1	20
0.0386	0.0320	77.2	64.1	47.6-111			18.5	20
0.0393	0.0316	78.5	63.2	49.4-114		J3	21.6	20
0.0428	0.0325	85.6	65.0	45.2-117		J3	27.4	20
0.0408	0.0329	81.6	65.7	45.6-106		J3	21.6	20
0.0307	0.0245	61.4	49.1	38.0-103		J3	22.3	20.1
0.0252	0.0208	50.3	41.6	37.2-111			19.0	24.1
0.0166	0.0141	33.2	28.2	22.6-108			16.5	27.9
0.0195	0.0164	39.0	32.8	32.9-100		J4	17.4	25.1
0.0383	0.0317	76.6	63.4	40.7-116			18.9	21
0.00796	0.00626	15.9	12.5	10.0-40.4			23.9	40
0.0410	0.0328	81.9	65.5	49.0-110		J3	22.2	20
0.0206	0.0179	41.2	35.9	32.0-104			13.9	26.4
0.0295	0.0235	59.0	47.1	33.6-105			22.5	23
0.0382	0.0302	76.4	60.4	39.0-113		J3	23.4	20.9
0.0376	0.0306	75.2	61.2	54.6-120		J3	20.5	20
0.0420	0.0322	84.1	64.4	42.8-118		J3	26.6	20
0.0349	0.0277	69.7	55.4	42.4-105		J3	23.0	20
0.0415	0.0340	82.9	68.0	27.2-142			19.8	22.3
0.0407	0.0337	81.5	67.5	31.2-105			18.8	22
0.0369	0.0309	73.8	61.8	30.6-106			17.7	23.1
0.0427	0.0340	85.3	68.0	45.9-115		J3	22.6	20
0.0380	0.0304	76.0	60.8	41.0-112		J3	22.3	20.2

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Laboratory Control Sample Duplicate (LCSD)

LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
0.0379	0.0306	75.8	61.2	38.5-116		J3	21.4	20.1
0.0187	0.0151	37.4	30.2	16.1-104			21.4	31.2
0.0134	0.0110	26.8	22.0	10.0-121			20.0	27.9
0.0134	0.0110	26.9	22.0	16.5-89.8			20.1	30.7
0.0433	0.0328	86.7	65.7	45.0-116		J3	27.6	20
0.0325	0.0273	65.0	54.5	35.4-112			17.5	21.5
0.0292	0.0237	58.4	47.4	34.7-102			20.7	24.9
0.0242	0.0200	48.5	39.9	33.8-98.6			19.4	24.2
0.0200	0.0163	40.0	32.5	32.2-101			20.6	23.8
0.0346	0.0282	69.2	56.4	35.6-113			20.5	20.9
0.0344	0.0294	68.8	58.9	33.6-103			15.6	21.8
0.0371	0.0357	74.1	71.4	35.4-124			3.79	23.1
0.0204	0.0173	40.8	34.6	31.4-106			16.4	25.7
0.0371	0.0303	74.2	60.5	44.4-113		J3	20.3	20
0.0164	0.0200	32.8	40.1	33.2-106	J4		19.9	23.7
0.0361	0.0290	72.2	58.1	46.4-113		J3	21.7	20
0.0384	0.0311	76.8	62.1	31.8-123		J3	21.1	20.7
0.0367	0.0303	73.3	60.5	36.9-134			19.1	23.6
0.0389	0.0308	77.9	61.6	41.8-120		J3	23.3	20.2
0.0432	0.0350	86.4	70.0	36.5-129		J3	21.0	20
0.0401	0.0323	80.2	64.5	35.3-128		J3	21.6	20.8
0.0382	0.0316	76.5	63.2	39.7-112			19.0	21.1
0.0412	0.0327	82.4	65.3	46.3-117		J3	23.1	20
0.0186	0.0154	37.3	30.8	22.9-96.1			19.0	27.5
0.0362	0.0293	72.3	58.6	35.7-100			21.0	22.9
0.0177	0.0147	35.4	29.4	26.2-91.5			18.8	26.5
0.0201	0.0164	40.3	32.8	26.4-86.9			20.5	26.5
0.0240	0.0200	48.0	40.0	27.9-92.0			18.1	27
0.0270	0.0224	54.0	44.7	31.4-103			18.8	24.9
0.0268	0.0221	53.5	44.1	31.9-107			19.3	25.7
0.0370	0.0315	74.0	62.9	18.4-148			16.1	24.4
0.0314	0.0268	62.8	53.7	24.2-128			15.7	20.5
0.0244	0.0192	48.7	38.4	25.9-106			23.7	26.9
0.0243	0.0197	48.6	39.3	10.0-52.7			21.2	40
0.0370	0.0293	74.0	58.7	10.0-97.4			23.2	35.1
0.0125	0.0104	25.0	20.8	10.0-57.9			18.2	35

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

Laboratory Control Sample Duplicate (LCSD)

LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
mg/l	mg/l	%	%	%			%	%
0.0378	0.0302	75.5	60.5	34.9-112			22.2	23.9
0.0358	0.0289	71.7	57.8	29.8-107			21.4	24.1
		39.3	32.8	21.8-123				
		56.2	47.1	29.5-131				
		75.1	58.6	29.3-137				
		24.9	20.6	5.00-70.1				
		25.0	20.6	10.0-77.9				
		78.6	61.6	11.2-130				

Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

SD) 09/04/15 07:15

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	%	%		%			%	%
ND	0.0321	0.0331	64.3	66.2	1	30.7-124			2.89	22.6
ND	0.0337	0.0344	67.3	68.8	1	29.0-122			2.13	23.9
ND	0.0218	0.0246	43.6	49.3	1	24.2-127			12.2	34.9
ND	0.0381	0.0393	76.2	78.6	1	34.2-135			3.07	20
ND	0.0461	0.0450	92.3	89.9	1	23.1-172			2.57	20
ND	0.00169	0.00203	3.37	4.07	1	10.0-152	J6	J6	18.7	37.7
ND	0.0385	0.0382	76.9	76.4	1	35.7-138			0.660	20
ND	0.0396	0.0364	79.1	72.8	1	23.0-145			8.25	20
ND	0.0371	0.0365	74.3	73.1	1	29.5-143			1.63	20
ND	0.0389	0.0381	77.9	76.2	1	10.0-148			2.15	21
ND	0.0399	0.0398	79.9	79.7	1	23.3-135			0.240	20
ND	0.0320	0.0332	64.1	66.4	1	26.4-118			3.58	20
ND	0.0266	0.0289	53.2	57.8	1	26.4-127			8.25	25.8
ND	0.0154	0.0166	30.7	33.2	1	10.0-154			7.87	40
ND	0.0196	0.0212	39.3	42.4	1	19.4-126			7.62	37.2
ND	0.0375	0.0380	75.1	75.9	1	34.3-135			1.08	23.2
ND	0.00786	0.00747	15.7	14.9	1	10.0-64.0			5.11	37.3
ND	0.0401	0.0396	80.1	79.1	1	33.3-134			1.22	20
ND	0.0216	0.0228	43.3	45.6	1	10.0-123			5.30	21.9
ND	0.0305	0.0324	61.0	64.8	1	29.7-114			6.08	24.2
ND	0.0376	0.0366	75.1	73.3	1	35.6-127			2.46	20
ND	0.0374	0.0364	74.8	72.8	1	37.0-145			2.82	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

SD) 09/04/15 07:15

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	%	%		%			%	%
ND	0.0386	0.0381	77.2	76.1	1	10.0-147			1.41	22.3
ND	0.0346	0.0351	69.2	70.2	1	28.0-127			1.53	20
ND	0.0409	0.0406	81.8	81.2	1	10.0-162			0.770	26.9
ND	0.0396	0.0400	79.2	79.9	1	16.2-135			0.960	20.6
ND	0.0360	0.0359	72.1	71.9	1	25.2-124			0.250	22.2
ND	0.0416	0.0410	83.3	82.1	1	37.1-139			1.50	20
ND	0.0369	0.0366	73.8	73.3	1	10.0-162			0.710	20
ND	0.0364	0.0371	72.9	74.2	1	31.9-135			1.85	20
ND	0.0200	0.0206	40.0	41.2	1	15.7-109			2.90	37.6
ND	0.0148	0.0160	29.5	32.0	1	10.0-123			8.19	27.8
ND	0.00958	0.00867	19.2	17.3	1	10.4-105			9.90	40
ND	0.0395	0.0388	79.0	77.6	1	10.0-145			1.86	20
ND	0.0314	0.0345	62.8	68.9	1	25.9-133			9.26	22.9
ND	0.0311	0.0341	62.3	68.1	1	10.0-149			8.99	26
ND	0.0257	0.0286	51.4	57.1	1	24.6-114			10.5	23.7
ND	0.0218	0.0241	43.6	48.1	1	20.2-114			9.72	27.5
ND	0.0326	0.0334	65.2	66.7	1	23.5-134			2.37	21.8
ND	0.0337	0.0333	67.4	66.6	1	10.0-128			1.08	23
ND	0.0433	0.0430	86.6	86.0	1	10.0-168			0.740	22.4
ND	0.0217	0.0246	43.4	49.2	1	23.1-121			12.3	29
ND	0.0360	0.0367	72.0	73.3	1	20.6-150			1.88	20
ND	0.0239	0.0264	47.7	52.7	1	23.9-125			10.0	29.7
ND	0.0346	0.0351	69.2	70.3	1	33.0-139			1.46	20
ND	0.0373	0.0376	74.6	75.1	1	13.3-159			0.700	21.2
0.00112	0.0347	0.0346	67.1	66.9	1	15.5-152			0.310	27.6
0.00132	0.0361	0.0373	69.6	72.0	1	26.0-152			3.18	20
ND	0.0424	0.0409	84.7	81.7	1	21.6-154			3.63	20
ND	0.0384	0.0382	76.7	76.4	1	10.0-157			0.380	20
ND	0.0361	0.0359	72.1	71.7	1	12.3-145			0.580	22.9
ND	0.0399	0.0392	79.7	78.5	1	35.5-139			1.59	20
ND	0.0202	0.0220	40.3	44.0	1	21.4-101			8.67	31.3
ND	0.0353	0.0363	70.6	72.5	1	35.7-110			2.70	20
ND	0.0168	0.0165	33.7	33.0	1	13.9-105			2.17	32.4
ND	0.0211	0.0225	42.2	44.9	1	10.0-133			6.38	40
ND	0.0252	0.0270	50.5	53.9	1	17.4-100			6.60	27.7
ND	0.0298	0.0317	59.5	63.3	1	34.7-107			6.14	27.3

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc

Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

SD) 09/04/15 07:15

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	%	%		%			%	%
ND	0.0281	0.0312	56.2	62.4	1	10.0-152			10.5	35.4
ND	0.0317	0.0296	63.4	59.1	1	10.0-151			6.89	37.4
ND	0.0282	0.0243	56.3	48.6	1	10.0-136			14.7	40
ND	0.0241	0.0278	48.3	55.5	1	26.7-114			14.0	34
ND	0.0161	0.0146	32.2	29.2	1	10.0-130			9.98	40
ND	0.0309	0.0297	61.8	59.4	1	10.0-108			3.96	40
ND	0.0127	0.0130	25.4	26.1	1	10.0-64.1			2.47	40
ND	0.0371	0.0374	74.1	74.9	1	30.6-120			1.03	33.8
ND	0.0339	0.0348	67.7	69.6	1	19.1-114			2.63	29.9
			40.2	47.5		21.8-123				
			58.0	62.2		29.5-131				
			68.1	67.9		29.3-137				
			23.7	25.4		5.00-70.1				
			16.2	14.7		10.0-77.9				
			68.0	74.8		11.2-130				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc



Abbreviations and Definitions

SDG	Sample Delivery Group.
MDL	Method Detection Limit.
RDL	Reported Detection Limit.
ND,U	Not detected at the Sample Detection Limit.
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

J	The identification of the analyte is acceptable; the reported value is an estimate.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
P1	RPD value not applicable for sample concentrations less than 5 times the reporting limit.
V	The sample concentration is too high to evaluate accurate spike recoveries.

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ 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 ¹	DW21704
Florida	E87487	North Carolina ²	41
Georgia	NELAP	North Dakota	R-140
Georgia ¹	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 ¹	90010	South Dakota	n/a
Kentucky ²	16	Tennessee ¹⁴	2006
Louisiana	AI30792	Texas	T 104704245-07-TX
Maine	TN0002	Texas ⁵	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		

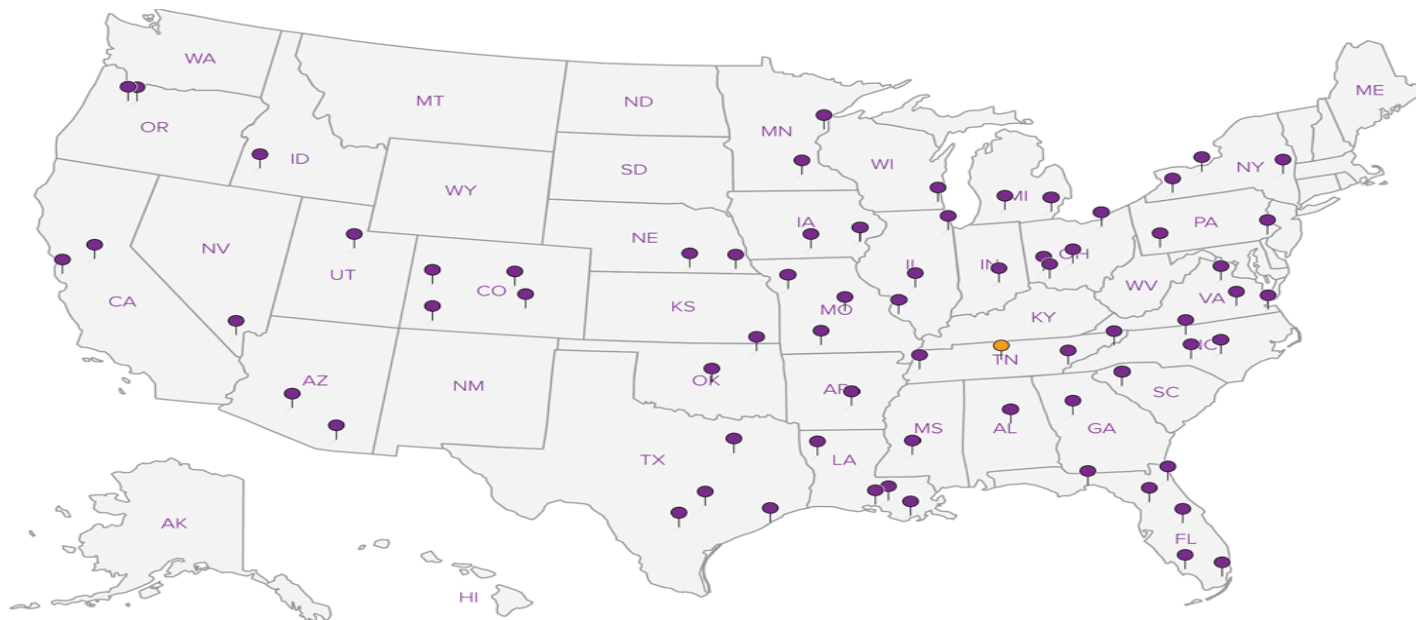
¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold ^{n/a} Accreditation not applicable

Third Party & Federal Accreditations

A2LA – ISO 17025	1461.01	AIHA	100789
Canada	1461.01	DOD	1461.01
EPA–Crypto	TN00003	USDA	S-67674

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.**



Billing Information:

Accounts Payable
21 Griffin Road North
Windsor, CT 06095

apinvoicereapproval@
trcsolutions.com

Email To: JAllen@trcsolutions.com

jspeer@trcsolutions.com

City/State
Collected:

Lab Project #

TRCATX-LOVINGTON NAV

P.O. #

78023

Date Results Needed

Default

Email? ☐ No ☒ Yes

FAX? ☒ No ☐ Yes

No.
of
Cntrs

Matrix *	Depth	Date	Time	No. of Cntrs	8270TX 100ml Amb NoPres - TOL + 1 - methylnaphthalene	HG 250mlHDPE-HNO3	NO2NO3 250mlHDPE-H2SO4	TDS, CL, FL, SO4, ALK 1L-HDPE-NoPres	V8260 40mlAmb-HCl - select list	250mL HDPE-No Pres, lab filter 0.45u
GW		8/26/15	1805	8g	X	X	X	X	X	X
GW		8/26/15	1907	8g	X	X	X	X	X	X
GW		8/27/15	0748	8g						
GW			0855	8g						
GW			0855	8g						
GW			1005	8g						
GW			1108	8g						
GW			1150	8g						
GW			1232	8g	✓	✓	✓	✓	✓	✓
GW			1505	8g	X	X	X	X	X	X

Water DW - Drinking Water OT - Other

8033 2480 3124
↓ ↓ 3902
3913
3878
644313644135
↓ ↓ 4113
4087

pH _____ Temp _____

Flow _____ Other _____

Hold #

Date: 8-28-15 1600	Time:	Received by: (Signature)	Samples returned via: ☒ UPS ☒ FedEx ☐ Courier ☐	Condition: (lab use only) GDI
Date:	Time:	Received by: (Signature)	Temp: 3.2 °C Bottles Received: 148	OK
Date:	Time:	Received for lab by: (Signature)	Date: 8/29/15 900	COC Seal Intact: ☒ Y ☐ N ☐ NA
			8-31-15	pH Checked: <2 NCF:

Analysis / Container / Preservative

Chain of Custody Page ___ of ___



YOUR LAB OF CHOICE

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



L #

1786033

J231

Acctnum: TRCATX

Template: T104895

Prelogin: P520762

TSR: 633 - Pam Langford

PB: 8-18-15 N/A

Shipped Via: FedEx Ground

Rem./Contaminant Sample # (lab only)

-d

-02

-03

-04

-05

-06

-07

-08

-09

-10

Billing Information:

Accounts Payable
21 Griffin Road North
Windsor, CT 06095

apinvoiceapproval@
trcsolutions.com

Email To: JAllen@trcsolutions.com

jspeer@trcsolutions.com

City/State
Collected:

Lab Project #
TRCATX-LOVINGTON NAV

P.O. #

78023

Date Results Needed

Default

Email? ☐ No ☒ Yes

FAX? ☒ No ☐ Yes

No.
of
Cntrs

Matrix *	Depth	Date	Time	No. of Cntrs
GW		8/27/15	1602	89
GW		↓	1706	89
GW		↓	1822	89
GW		↓	1926	89
GW		8/28/15	0730	89
GW		↓	0730	89
GW		↓	0835	89
GW		↓	0924	89
GW		↓	1000	89
GW		↓	1054	89

Analysis / Container / Preservative

8270TX 100ml Amb NoPres -TCL+1-
Methylnaphthalene
HG 250mlHDPE-HNO3
NO2NO3 250mlHDPE-H2SO4
TDS, CL, FL, SO4, ALK 1L-HDPE-NoPres
V8260 40mlAmb-HCl -select list
250mL HDPE No pres, lab filter 0.45u

Chain of Custody Page ____ of ____



YOUR LAB OF CHOICE

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



L # L706033

Table #

Acctnum: TRCATX

Template: T104895

Prelogin: P520762

TSR: 633 - Pam Langford

PB: 8-18-15 me

Shipped Via: FedEX Ground

Rem./Contaminant Sample # (lab only)

	-11
	-12
	-13
	-14
MS/MSD	-15
	-16
MS/MSD	-17
	-18
	-19
	-20

Water DW - Drinking Water OT - Other

pH _____ Temp _____

Flow _____ Other _____

Hold #

Date: 8-28-15	Time: 1600	Received by: (Signature)	Samples returned via: ☒ UPS	Condition: (lab use only) GD 11 OK
Date:	Time:	Received by: (Signature)	☒ FedEx ☐ Courier ☐	
Date:	Time:	Received for lab by: (Signature)	Temp: 3.2 °C Bottles Received: 148	
Date:	Time:	Received for lab by: (Signature)	Date: 8/29/15 Time: 960	COC Seal Intact: ☒ Y ☐ N ☐ NA
			pH Checked: 12	NCF:

8-31-15

Billing Information: Accounts Payable 21 Griffin Road North Windsor, CT 06095 <i>ap invoice approval@trcsolutions.com</i> Email To: JAllen@trcsolutions.com <i>jspeer@trcsolutions.com</i>			Analysis / Container / Preservative			Chain of Custody Page ____ of ____ 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 											
City/State Collected: Lab Project # TRCATX-LOVINGTON NAV P.O. # 78023 Date Results Needed <u>Default</u> Email? ☐ No ☒ Yes FAX? ☒ No ☐ Yes			8270TX 100ml Amb NoPres - TCl + 1 - Methylnaphthalene HG 250ml HDPE-HNO3 <2 NO2NO3 250ml HDPE-H2SO4 <2 TDS, CL, F, SO4, ALK 1L-HDPE-NoPres V8260 40ml Amb-HCl - select list 250mL HPPE - No pres, bb filter 0.45µ			L# <u>L786033</u> Table # _____ Acctnum: TRCATX Template: T104895 Prelogin: P520762 TSR: 633 - Pam Langford PB: <u>8-18-15 MWB</u> Shipped Via: FedEX Ground Rem./Contaminant Sample # (lab only)											
Matrix *	Depth	Date	Time	No. of Cntrs													
GW		8/28/15	1054	8	X	X	X	X	X	X							-21
GW			1155	8													-22
GW			1240	8													-23
GW			1320	8													-24
GW			1335	8													-25
GW		8/28/15	—	8					X								-26
GW				8													
GW				8													
GW				8													
GW				8													

Water DW - Drinking Water OT - Other _____

Date: <u>8/28/15</u> Time: <u>1600</u>		Received by: (Signature)		pH _____ Temp _____	
Date:		Received by: (Signature)		Flow _____ Other _____	
Date:		Received for lab by: (Signature)		Hold # _____	
				Condition: (lab use only) <u>GDI</u>	
				COC Seal Intact: ☒ Y ☐ N ☐ NA	
				pH Checked: <u>8.2</u> NCF: _____	

Samples returned via: ☐ UPS ☒ FedEx ☐ Courier ☐		Temp: <u>3.2</u> °C Bottles Received: <u>148</u>	
Date: <u>8/29/15</u> Time: <u>900</u>		<u>8/31/15</u>	

TRC Solutions - Austin, TX

Sample Delivery Group: L808328
Samples Received: 12/18/2015
Project Number: 227000
Description: Sample Water Supply Refinery

Report To: John Allen
505 E. Huntland Drive, Suite 250
Austin, TX 78752

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.



¹Cp: Cover Page	1
²Tc: Table of Contents	2
³Ss: Sample Summary	3
⁴Cn: Case Narrative	5
⁵Sr: Sample Results	6
SOUTH WELL L808328-01	6
DUP-1 L808328-02	10
NORTH WELL L808328-03	14
EAST WELL L808328-04	18
⁶Qc: Quality Control Summary	22
Gravimetric Analysis by Method 2540 C-2011	22
Wet Chemistry by Method 2320 B-2011	23
Wet Chemistry by Method 353.2	24
Wet Chemistry by Method 9040C	26
Wet Chemistry by Method 9050A	27
Wet Chemistry by Method 9056A	28
Mercury by Method 7470A	32
Metals (ICP) by Method 6010B	33
Metals (ICPMS) by Method 6020	34
Volatile Organic Compounds (GC/MS) by Method 8260B	37
Semi Volatile Organic Compounds (GC/MS) by Method 8270 C	42
⁷Gl: Glossary of Terms	47
⁸Al: Accreditations & Locations	48
⁹Sc: Chain of Custody	49



SAMPLE SUMMARY

ONE LAB. NATIONWIDE.



SOUTH WELL L808328-01 GW

Collected by
Geoffrey Leking

Collected date/time
12/17/15 13:25

Received date/time
12/18/15 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Gravimetric Analysis by Method 2540 C-2011	WG838121	1	12/24/15 09:16	12/24/15 09:48	MF
Mercury by Method 7470A	WG837887	1	12/23/15 17:18	12/24/15 09:39	TRB
Metals (ICP) by Method 6010B	WG837593	1	12/23/15 10:48	12/23/15 23:39	JD
Metals (ICPMS) by Method 6020	WG837894	1	12/26/15 10:52	12/29/15 14:53	JDG
Metals (ICPMS) by Method 6020	WG838070	1	12/23/15 18:02	12/27/15 22:17	VSS
Semi Volatile Organic Compounds (GC/MS) by Method 8270 C	WG837507	1	12/22/15 21:49	12/23/15 09:50	JF
Volatile Organic Compounds (GC/MS) by Method 8260B	WG838218	1	12/31/15 06:25	12/31/15 06:25	DAH
Wet Chemistry by Method 2320 B-2011	WG838006	1	12/28/15 09:02	12/28/15 09:02	MCG
Wet Chemistry by Method 353.2	WG837868	1	12/28/15 13:58	12/28/15 13:58	ASK
Wet Chemistry by Method 9040C	WG837531	1	12/22/15 14:01	12/22/15 14:01	SJM
Wet Chemistry by Method 9050A	WG837814	1	12/23/15 11:22	12/23/15 11:22	SAM
Wet Chemistry by Method 9056A	WG838134	1	12/24/15 22:36	12/24/15 22:36	DJD
Wet Chemistry by Method 9056A	WG838134	50	12/24/15 22:51	12/24/15 22:51	DJD
Wet Chemistry by Method 9056A	WG838555	5	12/29/15 10:36	12/29/15 10:36	CM

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

DUP-1 L808328-02 GW

Collected by
Geoffrey Leking

Collected date/time
12/17/15 13:25

Received date/time
12/18/15 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Gravimetric Analysis by Method 2540 C-2011	WG838121	1	12/24/15 09:16	12/24/15 09:48	MF
Mercury by Method 7470A	WG837887	1	12/23/15 17:18	12/24/15 09:41	TRB
Metals (ICP) by Method 6010B	WG837593	1	12/23/15 10:48	12/23/15 23:42	JD
Metals (ICPMS) by Method 6020	WG837894	1	12/26/15 10:52	12/29/15 14:55	JDG
Metals (ICPMS) by Method 6020	WG838070	1	12/23/15 18:02	12/27/15 22:22	VSS
Semi Volatile Organic Compounds (GC/MS) by Method 8270 C	WG837507	1	12/22/15 21:49	12/23/15 10:14	JF
Volatile Organic Compounds (GC/MS) by Method 8260B	WG838218	1	12/31/15 06:46	12/31/15 06:46	DAH
Wet Chemistry by Method 2320 B-2011	WG838006	1	12/28/15 09:02	12/28/15 09:02	MCG
Wet Chemistry by Method 353.2	WG837868	1	12/28/15 14:05	12/28/15 14:05	ASK
Wet Chemistry by Method 9040C	WG837531	1	12/22/15 14:01	12/22/15 14:01	SJM
Wet Chemistry by Method 9050A	WG837814	1	12/23/15 11:22	12/23/15 11:22	SAM
Wet Chemistry by Method 9056A	WG838134	1	12/24/15 23:07	12/24/15 23:07	DJD
Wet Chemistry by Method 9056A	WG838134	50	12/24/15 23:22	12/24/15 23:22	DJD
Wet Chemistry by Method 9056A	WG838555	5	12/29/15 10:49	12/29/15 10:49	CM

NORTH WELL L808328-03 GW

Collected by
Geoffrey Leking

Collected date/time
12/17/15 14:35

Received date/time
12/18/15 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Gravimetric Analysis by Method 2540 C-2011	WG838121	1	12/24/15 09:16	12/24/15 09:48	MF
Mercury by Method 7470A	WG837887	1	12/23/15 17:18	12/24/15 09:48	TRB
Metals (ICP) by Method 6010B	WG837593	1	12/23/15 10:48	12/23/15 23:45	JD
Metals (ICPMS) by Method 6020	WG837894	1	12/26/15 10:52	12/29/15 15:05	JDG
Metals (ICPMS) by Method 6020	WG838070	1	12/23/15 18:02	12/27/15 22:27	VSS
Semi Volatile Organic Compounds (GC/MS) by Method 8270 C	WG837507	1	12/22/15 21:49	12/23/15 10:37	JF
Volatile Organic Compounds (GC/MS) by Method 8260B	WG838218	1	12/31/15 07:07	12/31/15 07:07	DAH
Wet Chemistry by Method 2320 B-2011	WG838006	1	12/28/15 09:02	12/28/15 09:02	MCG
Wet Chemistry by Method 353.2	WG837868	1	12/28/15 14:06	12/28/15 14:06	ASK
Wet Chemistry by Method 9040C	WG837531	1	12/22/15 14:01	12/22/15 14:01	SJM
Wet Chemistry by Method 9050A	WG837814	1	12/23/15 11:22	12/23/15 11:22	SAM
Wet Chemistry by Method 9056A	WG838134	1	12/24/15 23:38	12/24/15 23:38	DJD
Wet Chemistry by Method 9056A	WG838134	50	12/24/15 23:53	12/24/15 23:53	DJD

SAMPLE SUMMARY

ONE LAB. NATIONWIDE.



EAST WELL L808328-04 GW

Collected by
Geoffrey LekingCollected date/time
12/17/15 15:15Received date/time
12/18/15 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	¹ Cp
Gravimetric Analysis by Method 2540 C-2011	WG838121	1	12/24/15 09:16	12/24/15 09:48	MF	² Tc
Mercury by Method 7470A	WG837887	1	12/23/15 17:18	12/24/15 09:51	TRB	³ Ss
Metals (ICP) by Method 6010B	WG837593	1	12/23/15 10:48	12/23/15 23:48	JD	⁴ Cn
Metals (ICPMS) by Method 6020	WG837894	1	12/26/15 10:52	12/29/15 15:07	JDG	⁵ Sr
Metals (ICPMS) by Method 6020	WG838070	1	12/23/15 18:02	12/27/15 22:32	VSS	⁶ Qc
Semi Volatile Organic Compounds (GC/MS) by Method 8270 C	WG837507	1	12/22/15 21:49	12/23/15 11:01	JF	⁷ Gl
Volatile Organic Compounds (GC/MS) by Method 8260B	WG838218	1	12/31/15 07:29	12/31/15 07:29	DAH	⁸ Al
Wet Chemistry by Method 2320 B-2011	WG838006	1	12/28/15 09:02	12/28/15 09:02	MCG	⁹ Sc
Wet Chemistry by Method 353.2	WG837868	1	12/28/15 14:07	12/28/15 14:07	ASK	
Wet Chemistry by Method 9040C	WG837531	1	12/22/15 14:01	12/22/15 14:01	SJM	
Wet Chemistry by Method 9050A	WG837814	1	12/23/15 11:22	12/23/15 11:22	SAM	
Wet Chemistry by Method 9056A	WG838134	1	12/25/15 00:08	12/25/15 00:08	DJD	
Wet Chemistry by Method 9056A	WG838134	50	12/25/15 00:24	12/25/15 00:24	DJD	



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

Sample Handling and Receiving

Prepared and/or analyzed past recommended holding time. Concentrations should be considered minimum values.

ESC Sample ID	Project Sample ID	Method
L808328-01	SOUTH WELL	9040C
L808328-02	DUP-1	9040C
L808328-03	NORTH WELL	9040C
L808328-04	EAST WELL	9040C

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	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Dissolved Solids	1400		2.82	10.0	10.0	1	12/24/2015 09:48	WG838121

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Alkalinity	191		2.61	20.0	20.0	1	12/28/2015 09:02	WG838006

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Nitrate-Nitrite	3.35	J6	0.0197	0.100	0.100	1	12/28/2015 13:58	WG837868

Wet Chemistry by Method 9040C

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	su			date / time	
pH	6.98		1	12/22/2015 14:01	WG837531

Sample Narrative:

9040C L808328-01 WG837531: 6.98 at 23.5c

Wet Chemistry by Method 9050A

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	umhos/cm			date / time	
Specific Conductance	1840		1	12/23/2015 11:22	WG837814

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Chloride	400		2.60	1.00	50.0	50	12/24/2015 22:51	WG838134
Fluoride	0.751		0.00990	0.100	0.100	1	12/24/2015 22:36	WG838134
Sulfate	115		0.387	5.00	25.0	5	12/29/2015 10:36	WG838555

Mercury by Method 7470A

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Mercury	U		0.0000490	0.000200	0.000200	1	12/24/2015 09:39	WG837887

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Aluminum,Dissolved	U		0.0350	0.200	0.200	1	12/23/2015 23:39	WG837593
Boron,Dissolved	0.235		0.0126	0.200	0.200	1	12/23/2015 23:39	WG837593
Calcium,Dissolved	194		0.0463	1.00	1.00	1	12/23/2015 23:39	WG837593
Iron,Dissolved	U		0.0141	0.100	0.100	1	12/23/2015 23:39	WG837593
Magnesium,Dissolved	26.0		0.0111	1.00	1.00	1	12/23/2015 23:39	WG837593
Molybdenum,Dissolved	U		0.00160	0.00500	0.00500	1	12/23/2015 23:39	WG837593
Potassium,Dissolved	3.81		0.102	1.00	1.00	1	12/23/2015 23:39	WG837593
Sodium,Dissolved	148	B	0.0985	1.00	1.00	1	12/23/2015 23:39	WG837593



Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Arsenic,Dissolved	0.00426		0.000250	0.00200	0.00200	1	12/29/2015 14:53	WG837894
Barium,Dissolved	0.138		0.000360	0.00500	0.00500	1	12/29/2015 14:53	WG837894
Cadmium,Dissolved	U		0.000160	0.00100	0.00100	1	12/29/2015 14:53	WG837894
Chromium,Dissolved	0.00205		0.000540	0.00200	0.00200	1	12/29/2015 14:53	WG837894
Copper,Dissolved	0.00257	U	0.000520	0.00500	0.00500	1	12/29/2015 14:53	WG837894
Cobalt,Dissolved	U		0.000260	0.00200	0.00200	1	12/27/2015 22:17	WG838070
Lead,Dissolved	U		0.000240	0.00200	0.00200	1	12/29/2015 14:53	WG837894
Manganese,Dissolved	0.00564		0.000250	0.00500	0.00500	1	12/29/2015 14:53	WG837894
Nickel,Dissolved	0.000645	U	0.000350	0.00200	0.00200	1	12/29/2015 14:53	WG837894
Selenium,Dissolved	0.00334		0.000380	0.00200	0.00200	1	12/29/2015 14:53	WG837894
Silver,Dissolved	U		0.000310	0.00200	0.00200	1	12/29/2015 14:53	WG837894
Uranium,Dissolved	0.00238	U	0.000330	0.0100	0.0100	1	12/27/2015 22:17	WG838070
Zinc,Dissolved	0.00388	U	0.00256	0.0250	0.0250	1	12/29/2015 14:53	WG837894

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

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0100	1.00	1.00	1	12/31/2015 06:25	WG838218
Benzene	U		0.000331	0.00100	0.00100	1	12/31/2015 06:25	WG838218
Bromodichloromethane	U		0.000380	0.00125	0.00125	1	12/31/2015 06:25	WG838218
Bromoform	U		0.000469	0.00100	0.00100	1	12/31/2015 06:25	WG838218
Bromomethane	U		0.000866	0.00500	0.00500	1	12/31/2015 06:25	WG838218
n-Butylbenzene	U		0.000361	0.00100	0.00100	1	12/31/2015 06:25	WG838218
sec-Butylbenzene	U		0.000365	0.00100	0.00100	1	12/31/2015 06:25	WG838218
tert-Butylbenzene	U		0.000399	0.00100	0.00100	1	12/31/2015 06:25	WG838218
Carbon disulfide	U		0.000275	0.00100	0.00100	1	12/31/2015 06:25	WG838218
Carbon tetrachloride	U		0.000379	0.00100	0.00100	1	12/31/2015 06:25	WG838218
Chlorobenzene	U		0.000348	0.00100	0.00100	1	12/31/2015 06:25	WG838218
Chlorodibromomethane	U		0.000327	0.00100	0.00100	1	12/31/2015 06:25	WG838218
Chloroethane	U		0.000453	0.00500	0.00500	1	12/31/2015 06:25	WG838218
Chloroform	0.000815	U	0.000324	0.00500	0.00500	1	12/31/2015 06:25	WG838218
Chloromethane	U		0.000276	0.00250	0.00250	1	12/31/2015 06:25	WG838218
1,2-Dibromoethane	U		0.000381	0.00100	0.00100	1	12/31/2015 06:25	WG838218
1,1-Dichloroethane	U		0.000259	0.00100	0.00100	1	12/31/2015 06:25	WG838218
1,2-Dichloroethane	U		0.000361	0.00100	0.00100	1	12/31/2015 06:25	WG838218
1,1-Dichloroethene	U		0.000398	0.00100	0.00100	1	12/31/2015 06:25	WG838218
cis-1,2-Dichloroethene	U		0.000260	0.00100	0.00100	1	12/31/2015 06:25	WG838218
trans-1,2-Dichloroethene	U		0.000396	0.00100	0.00100	1	12/31/2015 06:25	WG838218
1,2-Dichloropropane	U		0.000306	0.00100	0.00100	1	12/31/2015 06:25	WG838218
cis-1,3-Dichloropropene	U		0.000418	0.00100	0.00100	1	12/31/2015 06:25	WG838218
trans-1,3-Dichloropropene	U		0.000419	0.00100	0.00100	1	12/31/2015 06:25	WG838218
Ethylbenzene	U		0.000384	0.00100	0.00100	1	12/31/2015 06:25	WG838218
Hexachloro-1,3-butadiene	U		0.000256	0.00100	0.00100	1	12/31/2015 06:25	WG838218
2-Hexanone	U		0.00382	0.0100	0.0100	1	12/31/2015 06:25	WG838218
Isopropylbenzene	U		0.000326	0.00100	0.00100	1	12/31/2015 06:25	WG838218
p-Isopropyltoluene	U		0.000350	0.00100	0.00100	1	12/31/2015 06:25	WG838218
2-Butanone (MEK)	U		0.00393	0.0100	0.0100	1	12/31/2015 06:25	WG838218
Methylene Chloride	U		0.00100	0.00500	0.00500	1	12/31/2015 06:25	WG838218
4-Methyl-2-pentanone (MIBK)	U		0.00214	0.0100	0.0100	1	12/31/2015 06:25	WG838218
Methyl tert-butyl ether	U		0.000367	0.00100	0.00100	1	12/31/2015 06:25	WG838218
Naphthalene	U		0.00100	0.00500	0.00500	1	12/31/2015 06:25	WG838218
n-Propylbenzene	U		0.000349	0.00100	0.00100	1	12/31/2015 06:25	WG838218
Styrene	U		0.000307	0.00100	0.00100	1	12/31/2015 06:25	WG838218
1,1,2,2-Tetrachloroethane	U		0.000130	0.00100	0.00100	1	12/31/2015 06:25	WG838218
Tetrachloroethene	U		0.000372	0.00100	0.00100	1	12/31/2015 06:25	WG838218
Toluene	U		0.000780	0.00500	0.00500	1	12/31/2015 06:25	WG838218

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

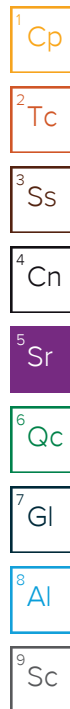


Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
1,1,1-Trichloroethane	U		0.000319	0.00100	0.00100	1	12/31/2015 06:25	WG838218
1,1,2-Trichloroethane	U		0.000383	0.00100	0.00100	1	12/31/2015 06:25	WG838218
Trichloroethene	U		0.000398	0.00100	0.00100	1	12/31/2015 06:25	WG838218
1,2,4-Trimethylbenzene	U		0.000373	0.00100	0.00100	1	12/31/2015 06:25	WG838218
1,3,5-Trimethylbenzene	U		0.000387	0.00100	0.00100	1	12/31/2015 06:25	WG838218
Vinyl chloride	U		0.000259	0.00100	0.00100	1	12/31/2015 06:25	WG838218
Xylenes, Total	U		0.00106	0.00300	0.00300	1	12/31/2015 06:25	WG838218
(S) Toluene-d8	102				90.0-115		12/31/2015 06:25	WG838218
(S) Dibromofluoromethane	106				79.0-121		12/31/2015 06:25	WG838218
(S) 4-Bromofluorobenzene	88.7				80.1-120		12/31/2015 06:25	WG838218

Semi Volatile Organic Compounds (GC/MS) by Method 8270 C

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.000316	0.00100	0.00100	1	12/23/2015 09:50	WG837507
Acenaphthylene	U		0.000309	0.00100	0.00100	1	12/23/2015 09:50	WG837507
Acetophenone	U		0.00247	0.0100	0.0100	1	12/23/2015 09:50	WG837507
Anthracene	U		0.000291	0.00100	0.00100	1	12/23/2015 09:50	WG837507
Atrazine	U		0.000260	0.0100	0.0100	1	12/23/2015 09:50	WG837507
Benzo(a)anthracene	U		0.0000510	0.00100	0.00100	1	12/23/2015 09:50	WG837507
Benzaldehyde	U		0.00140	0.0100	0.0100	1	12/23/2015 09:50	WG837507
Benzo(b)fluoranthene	U		0.0000896	0.00100	0.00100	1	12/23/2015 09:50	WG837507
Benzo(k)fluoranthene	U		0.000355	0.00100	0.00100	1	12/23/2015 09:50	WG837507
Benzo(g,h,i)perylene	U		0.00000227	0.00100	0.00100	1	12/23/2015 09:50	WG837507
Benzo(a)pyrene	U		0.0000381	0.000200	0.000200	1	12/23/2015 09:50	WG837507
Biphenyl	U		0.000325	0.0100	0.0100	1	12/23/2015 09:50	WG837507
Bis(2-chlorethoxy)methane	U		0.000329	0.0100	0.0100	1	12/23/2015 09:50	WG837507
Bis(2-chloroethyl)ether	U		0.00162	0.0100	0.0100	1	12/23/2015 09:50	WG837507
Bis(2-chloroisopropyl)ether	U		0.000445	0.0100	0.0100	1	12/23/2015 09:50	WG837507
4-Bromophenyl-phenylether	U		0.000335	0.0100	0.0100	1	12/23/2015 09:50	WG837507
2-Chloronaphthalene	U		0.000330	0.00100	0.00100	1	12/23/2015 09:50	WG837507
4-Chlorophenyl-phenylether	U		0.000303	0.0100	0.0100	1	12/23/2015 09:50	WG837507
Caprolactam	U		0.00259	0.0100	0.0100	1	12/23/2015 09:50	WG837507
Carbazole	U		0.000260	0.0100	0.0100	1	12/23/2015 09:50	WG837507
Chrysene	U		0.000332	0.00100	0.00100	1	12/23/2015 09:50	WG837507
Dibenz(a,h)anthracene	U		0.0000644	0.000200	0.000200	1	12/23/2015 09:50	WG837507
Dibenzofuran	U		0.000338	0.0100	0.0100	1	12/23/2015 09:50	WG837507
3,3-Dichlorobenzidine	U		0.00202	0.0100	0.0100	1	12/23/2015 09:50	WG837507
2,4-Dinitrotoluene	U		0.00165	0.0100	0.0100	1	12/23/2015 09:50	WG837507
2,6-Dinitrotoluene	U		0.000279	0.0100	0.0100	1	12/23/2015 09:50	WG837507
Fluoranthene	U		0.000310	0.00100	0.00100	1	12/23/2015 09:50	WG837507
Fluorene	U		0.000323	0.00100	0.00100	1	12/23/2015 09:50	WG837507
Hexachlorobenzene	U		0.000341	0.00100	0.00100	1	12/23/2015 09:50	WG837507
Hexachloro-1,3-butadiene	U		0.000329	0.0100	0.0100	1	12/23/2015 09:50	WG837507
Hexachlorocyclopentadiene	U		0.00233	0.0100	0.0100	1	12/23/2015 09:50	WG837507
Hexachloroethane	U		0.000365	0.0100	0.0100	1	12/23/2015 09:50	WG837507
Indeno(1,2,3-cd)pyrene	U		0.000279	0.00100	0.00100	1	12/23/2015 09:50	WG837507
Isophorone	U		0.000272	0.0100	0.0100	1	12/23/2015 09:50	WG837507
1-Methylnaphthalene	U		0.000332	0.00100	0.00100	1	12/23/2015 09:50	WG837507
2-Methylnaphthalene	U		0.000311	0.00100	0.00100	1	12/23/2015 09:50	WG837507
Naphthalene	U		0.000372	0.00100	0.00100	1	12/23/2015 09:50	WG837507
Nitrobenzene	U		0.000367	0.0100	0.0100	1	12/23/2015 09:50	WG837507
n-Nitrosodiphenylamine	U		0.000304	0.0100	0.0100	1	12/23/2015 09:50	WG837507
n-Nitrosodi-n-propylamine	U		0.000403	0.0100	0.0100	1	12/23/2015 09:50	WG837507
Phenanthrene	U		0.000366	0.00100	0.00100	1	12/23/2015 09:50	WG837507
Benzylbutyl phthalate	U		0.000275	0.00300	0.00300	1	12/23/2015 09:50	WG837507





Semi Volatile Organic Compounds (GC/MS) by Method 8270 C

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Bis(2-ethylhexyl)phthalate	U		0.000709	0.00300	0.00300	1	12/23/2015 09:50	WG837507
Di-n-butyl phthalate	U		0.000266	0.00300	0.00300	1	12/23/2015 09:50	WG837507
Diethyl phthalate	U		0.000282	0.00300	0.00300	1	12/23/2015 09:50	WG837507
Dimethyl phthalate	U		0.000283	0.00300	0.00300	1	12/23/2015 09:50	WG837507
Di-n-octyl phthalate	U		0.000278	0.00300	0.00300	1	12/23/2015 09:50	WG837507
Pyrene	U		0.000330	0.00100	0.00100	1	12/23/2015 09:50	WG837507
1,2,4-Trichlorobenzene	U		0.000355	0.0100	0.0100	1	12/23/2015 09:50	WG837507
4-Chloro-3-methylphenol	U		0.000263	0.0100	0.0100	1	12/23/2015 09:50	WG837507
2-Chlorophenol	U		0.000283	0.0100	0.0100	1	12/23/2015 09:50	WG837507
2,4-Dichlorophenol	U		0.000284	0.0100	0.0100	1	12/23/2015 09:50	WG837507
2,4-Dimethylphenol	U		0.000624	0.0100	0.0100	1	12/23/2015 09:50	WG837507
4,6-Dinitro-2-methylphenol	U		0.00262	0.0100	0.0100	1	12/23/2015 09:50	WG837507
2,4-Dinitrophenol	U		0.00325	0.0100	0.0100	1	12/23/2015 09:50	WG837507
2-Nitrophenol	U		0.000320	0.0100	0.0100	1	12/23/2015 09:50	WG837507
2-Nitroaniline	U		0.00190	0.0100	0.0100	1	12/23/2015 09:50	WG837507
2-Methylphenol	U		0.000312	0.0100	0.0100	1	12/23/2015 09:50	WG837507
3&4-Methyl Phenol	U		0.000266	0.0100	0.0100	1	12/23/2015 09:50	WG837507
3-Nitroaniline	U		0.000308	0.0100	0.0100	1	12/23/2015 09:50	WG837507
4-Chloroaniline	U		0.000382	0.0100	0.0100	1	12/23/2015 09:50	WG837507
4-Nitroaniline	U		0.000349	0.0100	0.0100	1	12/23/2015 09:50	WG837507
4-Nitrophenol	U		0.00201	0.0100	0.0100	1	12/23/2015 09:50	WG837507
Pentachlorophenol	U		0.000313	0.0100	0.0100	1	12/23/2015 09:50	WG837507
Phenol	U		0.000334	0.0100	0.0100	1	12/23/2015 09:50	WG837507
2,4,5-Trichlorophenol	U		0.000236	0.0100	0.0100	1	12/23/2015 09:50	WG837507
2,4,6-Trichlorophenol	U		0.000297	0.0100	0.0100	1	12/23/2015 09:50	WG837507
(S) 2-Fluorophenol	57.2				10.0-77.9		12/23/2015 09:50	WG837507
(S) Phenol-d5	33.9				5.00-70.1		12/23/2015 09:50	WG837507
(S) Nitrobenzene-d5	73.2				21.8-123		12/23/2015 09:50	WG837507
(S) 2-Fluorobiphenyl	79.4				29.5-131		12/23/2015 09:50	WG837507
(S) 2,4,6-Tribromophenol	93.0				11.2-130		12/23/2015 09:50	WG837507
(S) p-Terphenyl-d14	94.1				29.3-137		12/23/2015 09:50	WG837507

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	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Dissolved Solids	1360		2.82	10.0	10.0	1	12/24/2015 09:48	WG838121

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Alkalinity	195		2.61	20.0	20.0	1	12/28/2015 09:02	WG838006

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Nitrate-Nitrite	3.47		0.0197	0.100	0.100	1	12/28/2015 14:05	WG837868

Wet Chemistry by Method 9040C

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	su			date / time	
pH	7.01		1	12/22/2015 14:01	WG837531

Sample Narrative:

9040C L808328-02 WG837531: 7.01 at 22.7c

Wet Chemistry by Method 9050A

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	umhos/cm			date / time	
Specific Conductance	1810		1	12/23/2015 11:22	WG837814

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Chloride	402		2.60	1.00	50.0	50	12/24/2015 23:22	WG838134
Fluoride	0.752		0.00990	0.100	0.100	1	12/24/2015 23:07	WG838134
Sulfate	114		0.387	5.00	25.0	5	12/29/2015 10:49	WG838555

Mercury by Method 7470A

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Mercury	U		0.0000490	0.000200	0.000200	1	12/24/2015 09:41	WG837887

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Aluminum,Dissolved	U		0.0350	0.200	0.200	1	12/23/2015 23:42	WG837593
Boron,Dissolved	0.193	J	0.0126	0.200	0.200	1	12/23/2015 23:42	WG837593
Calcium,Dissolved	192		0.0463	1.00	1.00	1	12/23/2015 23:42	WG837593
Iron,Dissolved	U		0.0141	0.100	0.100	1	12/23/2015 23:42	WG837593
Magnesium,Dissolved	25.7		0.0111	1.00	1.00	1	12/23/2015 23:42	WG837593
Molybdenum,Dissolved	U		0.00160	0.00500	0.00500	1	12/23/2015 23:42	WG837593
Potassium,Dissolved	3.69		0.102	1.00	1.00	1	12/23/2015 23:42	WG837593
Sodium,Dissolved	147	B	0.0985	1.00	1.00	1	12/23/2015 23:42	WG837593



Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Arsenic,Dissolved	0.00425		0.000250	0.00200	0.00200	1	12/29/2015 14:55	WG837894
Barium,Dissolved	0.136		0.000360	0.00500	0.00500	1	12/29/2015 14:55	WG837894
Cadmium,Dissolved	U		0.000160	0.00100	0.00100	1	12/29/2015 14:55	WG837894
Chromium,Dissolved	0.00160	L	0.000540	0.00200	0.00200	1	12/29/2015 14:55	WG837894
Copper,Dissolved	0.00250	L	0.000520	0.00500	0.00500	1	12/29/2015 14:55	WG837894
Cobalt,Dissolved	U		0.000260	0.00200	0.00200	1	12/27/2015 22:22	WG838070
Lead,Dissolved	U		0.000240	0.00200	0.00200	1	12/29/2015 14:55	WG837894
Manganese,Dissolved	0.00546		0.000250	0.00500	0.00500	1	12/29/2015 14:55	WG837894
Nickel,Dissolved	0.000442	L	0.000350	0.00200	0.00200	1	12/29/2015 14:55	WG837894
Selenium,Dissolved	0.00343		0.000380	0.00200	0.00200	1	12/29/2015 14:55	WG837894
Silver,Dissolved	U		0.000310	0.00200	0.00200	1	12/29/2015 14:55	WG837894
Uranium,Dissolved	0.00238	L	0.000330	0.0100	0.0100	1	12/27/2015 22:22	WG838070
Zinc,Dissolved	0.00430	L	0.00256	0.0250	0.0250	1	12/29/2015 14:55	WG837894

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

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0100	1.00	1.00	1	12/31/2015 06:46	WG838218
Benzene	0.00119		0.000331	0.00100	0.00100	1	12/31/2015 06:46	WG838218
Bromodichloromethane	U		0.000380	0.00125	0.00125	1	12/31/2015 06:46	WG838218
Bromoform	U		0.000469	0.00100	0.00100	1	12/31/2015 06:46	WG838218
Bromomethane	U		0.000866	0.00500	0.00500	1	12/31/2015 06:46	WG838218
n-Butylbenzene	U		0.000361	0.00100	0.00100	1	12/31/2015 06:46	WG838218
sec-Butylbenzene	U		0.000365	0.00100	0.00100	1	12/31/2015 06:46	WG838218
tert-Butylbenzene	U		0.000399	0.00100	0.00100	1	12/31/2015 06:46	WG838218
Carbon disulfide	U		0.000275	0.00100	0.00100	1	12/31/2015 06:46	WG838218
Carbon tetrachloride	U		0.000379	0.00100	0.00100	1	12/31/2015 06:46	WG838218
Chlorobenzene	U		0.000348	0.00100	0.00100	1	12/31/2015 06:46	WG838218
Chlorodibromomethane	U		0.000327	0.00100	0.00100	1	12/31/2015 06:46	WG838218
Chloroethane	U		0.000453	0.00500	0.00500	1	12/31/2015 06:46	WG838218
Chloroform	0.000861	L	0.000324	0.00500	0.00500	1	12/31/2015 06:46	WG838218
Chloromethane	U		0.000276	0.00250	0.00250	1	12/31/2015 06:46	WG838218
1,2-Dibromoethane	U		0.000381	0.00100	0.00100	1	12/31/2015 06:46	WG838218
1,1-Dichloroethane	U		0.000259	0.00100	0.00100	1	12/31/2015 06:46	WG838218
1,2-Dichloroethane	U		0.000361	0.00100	0.00100	1	12/31/2015 06:46	WG838218
1,1-Dichloroethene	U		0.000398	0.00100	0.00100	1	12/31/2015 06:46	WG838218
cis-1,2-Dichloroethene	U		0.000260	0.00100	0.00100	1	12/31/2015 06:46	WG838218
trans-1,2-Dichloroethene	U		0.000396	0.00100	0.00100	1	12/31/2015 06:46	WG838218
1,2-Dichloropropane	U		0.000306	0.00100	0.00100	1	12/31/2015 06:46	WG838218
cis-1,3-Dichloropropene	U		0.000418	0.00100	0.00100	1	12/31/2015 06:46	WG838218
trans-1,3-Dichloropropene	U		0.000419	0.00100	0.00100	1	12/31/2015 06:46	WG838218
Ethylbenzene	U		0.000384	0.00100	0.00100	1	12/31/2015 06:46	WG838218
Hexachloro-1,3-butadiene	U		0.000256	0.00100	0.00100	1	12/31/2015 06:46	WG838218
2-Hexanone	U		0.00382	0.0100	0.0100	1	12/31/2015 06:46	WG838218
Isopropylbenzene	U		0.000326	0.00100	0.00100	1	12/31/2015 06:46	WG838218
p-Isopropyltoluene	U		0.000350	0.00100	0.00100	1	12/31/2015 06:46	WG838218
2-Butanone (MEK)	U		0.00393	0.0100	0.0100	1	12/31/2015 06:46	WG838218
Methylene Chloride	U		0.00100	0.00500	0.00500	1	12/31/2015 06:46	WG838218
4-Methyl-2-pentanone (MIBK)	U		0.00214	0.0100	0.0100	1	12/31/2015 06:46	WG838218
Methyl tert-butyl ether	U		0.000367	0.00100	0.00100	1	12/31/2015 06:46	WG838218
Naphthalene	U		0.00100	0.00500	0.00500	1	12/31/2015 06:46	WG838218
n-Propylbenzene	U		0.000349	0.00100	0.00100	1	12/31/2015 06:46	WG838218
Styrene	U		0.000307	0.00100	0.00100	1	12/31/2015 06:46	WG838218
1,1,2,2-Tetrachloroethane	U		0.000130	0.00100	0.00100	1	12/31/2015 06:46	WG838218
Tetrachloroethene	U		0.000372	0.00100	0.00100	1	12/31/2015 06:46	WG838218
Toluene	U		0.000780	0.00500	0.00500	1	12/31/2015 06:46	WG838218

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

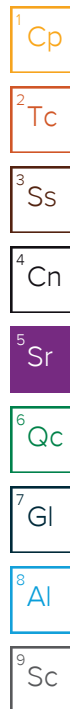


Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
1,1,1-Trichloroethane	U		0.000319	0.00100	0.00100	1	12/31/2015 06:46	WG838218
1,1,2-Trichloroethane	U		0.000383	0.00100	0.00100	1	12/31/2015 06:46	WG838218
Trichloroethene	U		0.000398	0.00100	0.00100	1	12/31/2015 06:46	WG838218
1,2,4-Trimethylbenzene	U		0.000373	0.00100	0.00100	1	12/31/2015 06:46	WG838218
1,3,5-Trimethylbenzene	U		0.000387	0.00100	0.00100	1	12/31/2015 06:46	WG838218
Vinyl chloride	U		0.000259	0.00100	0.00100	1	12/31/2015 06:46	WG838218
Xylenes, Total	U		0.00106	0.00300	0.00300	1	12/31/2015 06:46	WG838218
(S) Toluene-d8	102				90.0-115		12/31/2015 06:46	WG838218
(S) Dibromofluoromethane	105				79.0-121		12/31/2015 06:46	WG838218
(S) 4-Bromofluorobenzene	93.9				80.1-120		12/31/2015 06:46	WG838218

Semi Volatile Organic Compounds (GC/MS) by Method 8270 C

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.000316	0.00100	0.00100	1	12/23/2015 10:14	WG837507
Acenaphthylene	U		0.000309	0.00100	0.00100	1	12/23/2015 10:14	WG837507
Acetophenone	U		0.00247	0.0100	0.0100	1	12/23/2015 10:14	WG837507
Anthracene	U		0.000291	0.00100	0.00100	1	12/23/2015 10:14	WG837507
Atrazine	U		0.000260	0.0100	0.0100	1	12/23/2015 10:14	WG837507
Benzo(a)anthracene	U		0.0000510	0.00100	0.00100	1	12/23/2015 10:14	WG837507
Benzaldehyde	U		0.00140	0.0100	0.0100	1	12/23/2015 10:14	WG837507
Benzo(b)fluoranthene	U		0.0000896	0.00100	0.00100	1	12/23/2015 10:14	WG837507
Benzo(k)fluoranthene	U		0.000355	0.00100	0.00100	1	12/23/2015 10:14	WG837507
Benzo(g,h,i)perylene	U		0.00000227	0.00100	0.00100	1	12/23/2015 10:14	WG837507
Benzo(a)pyrene	U		0.0000381	0.000200	0.000200	1	12/23/2015 10:14	WG837507
Biphenyl	U		0.000325	0.0100	0.0100	1	12/23/2015 10:14	WG837507
Bis(2-chlorethoxy)methane	U		0.000329	0.0100	0.0100	1	12/23/2015 10:14	WG837507
Bis(2-chloroethyl)ether	U		0.00162	0.0100	0.0100	1	12/23/2015 10:14	WG837507
Bis(2-chloroisopropyl)ether	U		0.000445	0.0100	0.0100	1	12/23/2015 10:14	WG837507
4-Bromophenyl-phenylether	U		0.000335	0.0100	0.0100	1	12/23/2015 10:14	WG837507
2-Chloronaphthalene	U		0.000330	0.00100	0.00100	1	12/23/2015 10:14	WG837507
4-Chlorophenyl-phenylether	U		0.000303	0.0100	0.0100	1	12/23/2015 10:14	WG837507
Caprolactam	U		0.00259	0.0100	0.0100	1	12/23/2015 10:14	WG837507
Carbazole	U		0.000260	0.0100	0.0100	1	12/23/2015 10:14	WG837507
Chrysene	U		0.000332	0.00100	0.00100	1	12/23/2015 10:14	WG837507
Dibenz(a,h)anthracene	U		0.0000644	0.000200	0.000200	1	12/23/2015 10:14	WG837507
Dibenzofuran	U		0.000338	0.0100	0.0100	1	12/23/2015 10:14	WG837507
3,3-Dichlorobenzidine	U		0.00202	0.0100	0.0100	1	12/23/2015 10:14	WG837507
2,4-Dinitrotoluene	U		0.00165	0.0100	0.0100	1	12/23/2015 10:14	WG837507
2,6-Dinitrotoluene	U		0.000279	0.0100	0.0100	1	12/23/2015 10:14	WG837507
Fluoranthene	U		0.000310	0.00100	0.00100	1	12/23/2015 10:14	WG837507
Fluorene	U		0.000323	0.00100	0.00100	1	12/23/2015 10:14	WG837507
Hexachlorobenzene	U		0.000341	0.00100	0.00100	1	12/23/2015 10:14	WG837507
Hexachloro-1,3-butadiene	U		0.000329	0.0100	0.0100	1	12/23/2015 10:14	WG837507
Hexachlorocyclopentadiene	U		0.00233	0.0100	0.0100	1	12/23/2015 10:14	WG837507
Hexachloroethane	U		0.000365	0.0100	0.0100	1	12/23/2015 10:14	WG837507
Indeno(1,2,3-cd)pyrene	U		0.000279	0.00100	0.00100	1	12/23/2015 10:14	WG837507
Isophorone	U		0.000272	0.0100	0.0100	1	12/23/2015 10:14	WG837507
1-Methylnaphthalene	U		0.000332	0.00100	0.00100	1	12/23/2015 10:14	WG837507
2-Methylnaphthalene	U		0.000311	0.00100	0.00100	1	12/23/2015 10:14	WG837507
Naphthalene	U		0.000372	0.00100	0.00100	1	12/23/2015 10:14	WG837507
Nitrobenzene	U		0.000367	0.0100	0.0100	1	12/23/2015 10:14	WG837507
n-Nitrosodiphenylamine	U		0.000304	0.0100	0.0100	1	12/23/2015 10:14	WG837507
n-Nitrosodi-n-propylamine	U		0.000403	0.0100	0.0100	1	12/23/2015 10:14	WG837507
Phenanthrene	U		0.000366	0.00100	0.00100	1	12/23/2015 10:14	WG837507
Benzylbutyl phthalate	U		0.000275	0.00300	0.00300	1	12/23/2015 10:14	WG837507





Semi Volatile Organic Compounds (GC/MS) by Method 8270 C

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Bis(2-ethylhexyl)phthalate	U		0.000709	0.00300	0.00300	1	12/23/2015 10:14	WG837507
Di-n-butyl phthalate	U		0.000266	0.00300	0.00300	1	12/23/2015 10:14	WG837507
Diethyl phthalate	U		0.000282	0.00300	0.00300	1	12/23/2015 10:14	WG837507
Dimethyl phthalate	U		0.000283	0.00300	0.00300	1	12/23/2015 10:14	WG837507
Di-n-octyl phthalate	U		0.000278	0.00300	0.00300	1	12/23/2015 10:14	WG837507
Pyrene	U		0.000330	0.00100	0.00100	1	12/23/2015 10:14	WG837507
1,2,4-Trichlorobenzene	U		0.000355	0.0100	0.0100	1	12/23/2015 10:14	WG837507
4-Chloro-3-methylphenol	U		0.000263	0.0100	0.0100	1	12/23/2015 10:14	WG837507
2-Chlorophenol	U		0.000283	0.0100	0.0100	1	12/23/2015 10:14	WG837507
2,4-Dichlorophenol	U		0.000284	0.0100	0.0100	1	12/23/2015 10:14	WG837507
2,4-Dimethylphenol	U		0.000624	0.0100	0.0100	1	12/23/2015 10:14	WG837507
4,6-Dinitro-2-methylphenol	U		0.00262	0.0100	0.0100	1	12/23/2015 10:14	WG837507
2,4-Dinitrophenol	U		0.00325	0.0100	0.0100	1	12/23/2015 10:14	WG837507
2-Nitrophenol	U		0.000320	0.0100	0.0100	1	12/23/2015 10:14	WG837507
2-Nitroaniline	U		0.00190	0.0100	0.0100	1	12/23/2015 10:14	WG837507
2-Methylphenol	U		0.000312	0.0100	0.0100	1	12/23/2015 10:14	WG837507
3&4-Methyl Phenol	U		0.000266	0.0100	0.0100	1	12/23/2015 10:14	WG837507
3-Nitroaniline	U		0.000308	0.0100	0.0100	1	12/23/2015 10:14	WG837507
4-Chloroaniline	U		0.000382	0.0100	0.0100	1	12/23/2015 10:14	WG837507
4-Nitroaniline	U		0.000349	0.0100	0.0100	1	12/23/2015 10:14	WG837507
4-Nitrophenol	U		0.00201	0.0100	0.0100	1	12/23/2015 10:14	WG837507
Pentachlorophenol	U		0.000313	0.0100	0.0100	1	12/23/2015 10:14	WG837507
Phenol	U		0.000334	0.0100	0.0100	1	12/23/2015 10:14	WG837507
2,4,5-Trichlorophenol	U		0.000236	0.0100	0.0100	1	12/23/2015 10:14	WG837507
2,4,6-Trichlorophenol	U		0.000297	0.0100	0.0100	1	12/23/2015 10:14	WG837507
(S) 2-Fluorophenol	49.6				10.0-77.9		12/23/2015 10:14	WG837507
(S) Phenol-d5	29.5				5.00-70.1		12/23/2015 10:14	WG837507
(S) Nitrobenzene-d5	65.7				21.8-123		12/23/2015 10:14	WG837507
(S) 2-Fluorobiphenyl	72.1				29.5-131		12/23/2015 10:14	WG837507
(S) 2,4,6-Tribromophenol	75.8				11.2-130		12/23/2015 10:14	WG837507
(S) p-Terphenyl-d14	84.7				29.3-137		12/23/2015 10:14	WG837507

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	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Dissolved Solids	588		2.82	10.0	10.0	1	12/24/2015 09:48	WG838121

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Alkalinity	180		2.61	20.0	20.0	1	12/28/2015 09:02	WG838006

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Nitrate-Nitrite	3.46		0.0197	0.100	0.100	1	12/28/2015 14:06	WG837868

Wet Chemistry by Method 9040C

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	su			date / time	
pH	7.13		1	12/22/2015 14:01	WG837531

Sample Narrative:

9040C L808328-03 WG837531: 7.13 at 22.6c

Wet Chemistry by Method 9050A

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	umhos/cm			date / time	
Specific Conductance	905		1	12/23/2015 11:22	WG837814

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Chloride	121		2.60	1.00	50.0	50	12/24/2015 23:53	WG838134
Fluoride	0.982		0.00990	0.100	0.100	1	12/24/2015 23:38	WG838134
Sulfate	76.7		0.0774	5.00	5.00	1	12/24/2015 23:38	WG838134

Mercury by Method 7470A

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Mercury	U		0.0000490	0.000200	0.000200	1	12/24/2015 09:48	WG837887

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Aluminum,Dissolved	U		0.0350	0.200	0.200	1	12/23/2015 23:45	WG837593
Boron,Dissolved	0.155	J	0.0126	0.200	0.200	1	12/23/2015 23:45	WG837593
Calcium,Dissolved	103		0.0463	1.00	1.00	1	12/23/2015 23:45	WG837593
Iron,Dissolved	0.0158	J	0.0141	0.100	0.100	1	12/23/2015 23:45	WG837593
Magnesium,Dissolved	12.7		0.0111	1.00	1.00	1	12/23/2015 23:45	WG837593
Molybdenum,Dissolved	U		0.00160	0.00500	0.00500	1	12/23/2015 23:45	WG837593
Potassium,Dissolved	2.64		0.102	1.00	1.00	1	12/23/2015 23:45	WG837593
Sodium,Dissolved	68.6	B	0.0985	1.00	1.00	1	12/23/2015 23:45	WG837593



Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Arsenic,Dissolved	0.00572		0.000250	0.00200	0.00200	1	12/29/2015 15:05	WG837894
Barium,Dissolved	0.104		0.000360	0.00500	0.00500	1	12/29/2015 15:05	WG837894
Cadmium,Dissolved	U		0.000160	0.00100	0.00100	1	12/29/2015 15:05	WG837894
Chromium,Dissolved	0.00103	U	0.000540	0.00200	0.00200	1	12/29/2015 15:05	WG837894
Copper,Dissolved	0.00216	U	0.000520	0.00500	0.00500	1	12/29/2015 15:05	WG837894
Cobalt,Dissolved	U		0.000260	0.00200	0.00200	1	12/27/2015 22:27	WG838070
Lead,Dissolved	U		0.000240	0.00200	0.00200	1	12/29/2015 15:05	WG837894
Manganese,Dissolved	0.000476	U	0.000250	0.00500	0.00500	1	12/29/2015 15:05	WG837894
Nickel,Dissolved	0.000388	U	0.000350	0.00200	0.00200	1	12/29/2015 15:05	WG837894
Selenium,Dissolved	0.00342		0.000380	0.00200	0.00200	1	12/29/2015 15:05	WG837894
Silver,Dissolved	U		0.000310	0.00200	0.00200	1	12/29/2015 15:05	WG837894
Uranium,Dissolved	0.00160	U	0.000330	0.0100	0.0100	1	12/27/2015 22:27	WG838070
Zinc,Dissolved	0.00427	U	0.00256	0.0250	0.0250	1	12/29/2015 15:05	WG837894

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

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0100	1.00	1.00	1	12/31/2015 07:07	WG838218
Benzene	U		0.000331	0.00100	0.00100	1	12/31/2015 07:07	WG838218
Bromodichloromethane	U		0.000380	0.00125	0.00125	1	12/31/2015 07:07	WG838218
Bromoform	U		0.000469	0.00100	0.00100	1	12/31/2015 07:07	WG838218
Bromomethane	U		0.000866	0.00500	0.00500	1	12/31/2015 07:07	WG838218
n-Butylbenzene	U		0.000361	0.00100	0.00100	1	12/31/2015 07:07	WG838218
sec-Butylbenzene	U		0.000365	0.00100	0.00100	1	12/31/2015 07:07	WG838218
tert-Butylbenzene	U		0.000399	0.00100	0.00100	1	12/31/2015 07:07	WG838218
Carbon disulfide	U		0.000275	0.00100	0.00100	1	12/31/2015 07:07	WG838218
Carbon tetrachloride	U		0.000379	0.00100	0.00100	1	12/31/2015 07:07	WG838218
Chlorobenzene	U		0.000348	0.00100	0.00100	1	12/31/2015 07:07	WG838218
Chlorodibromomethane	U		0.000327	0.00100	0.00100	1	12/31/2015 07:07	WG838218
Chloroethane	U		0.000453	0.00500	0.00500	1	12/31/2015 07:07	WG838218
Chloroform	U		0.000324	0.00500	0.00500	1	12/31/2015 07:07	WG838218
Chloromethane	U		0.000276	0.00250	0.00250	1	12/31/2015 07:07	WG838218
1,2-Dibromoethane	U		0.000381	0.00100	0.00100	1	12/31/2015 07:07	WG838218
1,1-Dichloroethane	U		0.000259	0.00100	0.00100	1	12/31/2015 07:07	WG838218
1,2-Dichloroethane	U		0.000361	0.00100	0.00100	1	12/31/2015 07:07	WG838218
1,1-Dichloroethene	U		0.000398	0.00100	0.00100	1	12/31/2015 07:07	WG838218
cis-1,2-Dichloroethene	U		0.000260	0.00100	0.00100	1	12/31/2015 07:07	WG838218
trans-1,2-Dichloroethene	U		0.000396	0.00100	0.00100	1	12/31/2015 07:07	WG838218
1,2-Dichloropropane	U		0.000306	0.00100	0.00100	1	12/31/2015 07:07	WG838218
cis-1,3-Dichloropropene	U		0.000418	0.00100	0.00100	1	12/31/2015 07:07	WG838218
trans-1,3-Dichloropropene	U		0.000419	0.00100	0.00100	1	12/31/2015 07:07	WG838218
Ethylbenzene	U		0.000384	0.00100	0.00100	1	12/31/2015 07:07	WG838218
Hexachloro-1,3-butadiene	U		0.000256	0.00100	0.00100	1	12/31/2015 07:07	WG838218
2-Hexanone	U		0.00382	0.0100	0.0100	1	12/31/2015 07:07	WG838218
Isopropylbenzene	U		0.000326	0.00100	0.00100	1	12/31/2015 07:07	WG838218
p-Isopropyltoluene	U		0.000350	0.00100	0.00100	1	12/31/2015 07:07	WG838218
2-Butanone (MEK)	U		0.00393	0.0100	0.0100	1	12/31/2015 07:07	WG838218
Methylene Chloride	U		0.00100	0.00500	0.00500	1	12/31/2015 07:07	WG838218
4-Methyl-2-pentanone (MIBK)	U		0.00214	0.0100	0.0100	1	12/31/2015 07:07	WG838218
Methyl tert-butyl ether	U		0.000367	0.00100	0.00100	1	12/31/2015 07:07	WG838218
Naphthalene	U		0.00100	0.00500	0.00500	1	12/31/2015 07:07	WG838218
n-Propylbenzene	U		0.000349	0.00100	0.00100	1	12/31/2015 07:07	WG838218
Styrene	U		0.000307	0.00100	0.00100	1	12/31/2015 07:07	WG838218
1,1,2,2-Tetrachloroethane	U		0.000130	0.00100	0.00100	1	12/31/2015 07:07	WG838218
Tetrachloroethene	U		0.000372	0.00100	0.00100	1	12/31/2015 07:07	WG838218
Toluene	U		0.000780	0.00500	0.00500	1	12/31/2015 07:07	WG838218

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

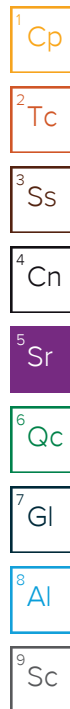


Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
1,1,1-Trichloroethane	U		0.000319	0.00100	0.00100	1	12/31/2015 07:07	WG838218
1,1,2-Trichloroethane	U		0.000383	0.00100	0.00100	1	12/31/2015 07:07	WG838218
Trichloroethene	U		0.000398	0.00100	0.00100	1	12/31/2015 07:07	WG838218
1,2,4-Trimethylbenzene	U		0.000373	0.00100	0.00100	1	12/31/2015 07:07	WG838218
1,3,5-Trimethylbenzene	U		0.000387	0.00100	0.00100	1	12/31/2015 07:07	WG838218
Vinyl chloride	U		0.000259	0.00100	0.00100	1	12/31/2015 07:07	WG838218
Xylenes, Total	U		0.00106	0.00300	0.00300	1	12/31/2015 07:07	WG838218
(S) Toluene-d8	102				90.0-115		12/31/2015 07:07	WG838218
(S) Dibromofluoromethane	103				79.0-121		12/31/2015 07:07	WG838218
(S) 4-Bromofluorobenzene	94.0				80.1-120		12/31/2015 07:07	WG838218

Semi Volatile Organic Compounds (GC/MS) by Method 8270 C

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.000316	0.00100	0.00100	1	12/23/2015 10:37	WG837507
Acenaphthylene	U		0.000309	0.00100	0.00100	1	12/23/2015 10:37	WG837507
Acetophenone	U		0.00247	0.0100	0.0100	1	12/23/2015 10:37	WG837507
Anthracene	U		0.000291	0.00100	0.00100	1	12/23/2015 10:37	WG837507
Atrazine	U		0.000260	0.0100	0.0100	1	12/23/2015 10:37	WG837507
Benzo(a)anthracene	U		0.0000510	0.00100	0.00100	1	12/23/2015 10:37	WG837507
Benzaldehyde	U		0.00140	0.0100	0.0100	1	12/23/2015 10:37	WG837507
Benzo(b)fluoranthene	U		0.0000896	0.00100	0.00100	1	12/23/2015 10:37	WG837507
Benzo(k)fluoranthene	U		0.000355	0.00100	0.00100	1	12/23/2015 10:37	WG837507
Benzo(g,h,i)perylene	U		0.00000227	0.00100	0.00100	1	12/23/2015 10:37	WG837507
Benzo(a)pyrene	U		0.0000381	0.000200	0.000200	1	12/23/2015 10:37	WG837507
Biphenyl	U		0.000325	0.0100	0.0100	1	12/23/2015 10:37	WG837507
Bis(2-chlorethoxy)methane	U		0.000329	0.0100	0.0100	1	12/23/2015 10:37	WG837507
Bis(2-chloroethyl)ether	U		0.00162	0.0100	0.0100	1	12/23/2015 10:37	WG837507
Bis(2-chloroisopropyl)ether	U		0.000445	0.0100	0.0100	1	12/23/2015 10:37	WG837507
4-Bromophenyl-phenylether	U		0.000335	0.0100	0.0100	1	12/23/2015 10:37	WG837507
2-Chloronaphthalene	U		0.000330	0.00100	0.00100	1	12/23/2015 10:37	WG837507
4-Chlorophenyl-phenylether	U		0.000303	0.0100	0.0100	1	12/23/2015 10:37	WG837507
Caprolactam	U		0.00259	0.0100	0.0100	1	12/23/2015 10:37	WG837507
Carbazole	U		0.000260	0.0100	0.0100	1	12/23/2015 10:37	WG837507
Chrysene	U		0.000332	0.00100	0.00100	1	12/23/2015 10:37	WG837507
Dibenz(a,h)anthracene	U		0.0000644	0.000200	0.000200	1	12/23/2015 10:37	WG837507
Dibenzofuran	U		0.000338	0.0100	0.0100	1	12/23/2015 10:37	WG837507
3,3-Dichlorobenzidine	U		0.00202	0.0100	0.0100	1	12/23/2015 10:37	WG837507
2,4-Dinitrotoluene	U		0.00165	0.0100	0.0100	1	12/23/2015 10:37	WG837507
2,6-Dinitrotoluene	U		0.000279	0.0100	0.0100	1	12/23/2015 10:37	WG837507
Fluoranthene	U		0.000310	0.00100	0.00100	1	12/23/2015 10:37	WG837507
Fluorene	U		0.000323	0.00100	0.00100	1	12/23/2015 10:37	WG837507
Hexachlorobenzene	U		0.000341	0.00100	0.00100	1	12/23/2015 10:37	WG837507
Hexachloro-1,3-butadiene	U		0.000329	0.0100	0.0100	1	12/23/2015 10:37	WG837507
Hexachlorocyclopentadiene	U		0.00233	0.0100	0.0100	1	12/23/2015 10:37	WG837507
Hexachloroethane	U		0.000365	0.0100	0.0100	1	12/23/2015 10:37	WG837507
Indeno(1,2,3-cd)pyrene	U		0.000279	0.00100	0.00100	1	12/23/2015 10:37	WG837507
Isophorone	U		0.000272	0.0100	0.0100	1	12/23/2015 10:37	WG837507
1-Methylnaphthalene	U		0.000332	0.00100	0.00100	1	12/23/2015 10:37	WG837507
2-Methylnaphthalene	U		0.000311	0.00100	0.00100	1	12/23/2015 10:37	WG837507
Naphthalene	U		0.000372	0.00100	0.00100	1	12/23/2015 10:37	WG837507
Nitrobenzene	U		0.000367	0.0100	0.0100	1	12/23/2015 10:37	WG837507
n-Nitrosodiphenylamine	U		0.000304	0.0100	0.0100	1	12/23/2015 10:37	WG837507
n-Nitrosodi-n-propylamine	U		0.000403	0.0100	0.0100	1	12/23/2015 10:37	WG837507
Phenanthrene	U		0.000366	0.00100	0.00100	1	12/23/2015 10:37	WG837507
Benzylbutyl phthalate	U		0.000275	0.00300	0.00300	1	12/23/2015 10:37	WG837507





Semi Volatile Organic Compounds (GC/MS) by Method 8270 C

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Bis(2-ethylhexyl)phthalate	U		0.000709	0.00300	0.00300	1	12/23/2015 10:37	WG837507
Di-n-butyl phthalate	U		0.000266	0.00300	0.00300	1	12/23/2015 10:37	WG837507
Diethyl phthalate	U		0.000282	0.00300	0.00300	1	12/23/2015 10:37	WG837507
Dimethyl phthalate	U		0.000283	0.00300	0.00300	1	12/23/2015 10:37	WG837507
Di-n-octyl phthalate	U		0.000278	0.00300	0.00300	1	12/23/2015 10:37	WG837507
Pyrene	U		0.000330	0.00100	0.00100	1	12/23/2015 10:37	WG837507
1,2,4-Trichlorobenzene	U		0.000355	0.0100	0.0100	1	12/23/2015 10:37	WG837507
4-Chloro-3-methylphenol	U		0.000263	0.0100	0.0100	1	12/23/2015 10:37	WG837507
2-Chlorophenol	U		0.000283	0.0100	0.0100	1	12/23/2015 10:37	WG837507
2,4-Dichlorophenol	U		0.000284	0.0100	0.0100	1	12/23/2015 10:37	WG837507
2,4-Dimethylphenol	U		0.000624	0.0100	0.0100	1	12/23/2015 10:37	WG837507
4,6-Dinitro-2-methylphenol	U		0.00262	0.0100	0.0100	1	12/23/2015 10:37	WG837507
2,4-Dinitrophenol	U		0.00325	0.0100	0.0100	1	12/23/2015 10:37	WG837507
2-Nitrophenol	U		0.000320	0.0100	0.0100	1	12/23/2015 10:37	WG837507
2-Nitroaniline	U		0.00190	0.0100	0.0100	1	12/23/2015 10:37	WG837507
2-Methylphenol	U		0.000312	0.0100	0.0100	1	12/23/2015 10:37	WG837507
3&4-Methyl Phenol	U		0.000266	0.0100	0.0100	1	12/23/2015 10:37	WG837507
3-Nitroaniline	U		0.000308	0.0100	0.0100	1	12/23/2015 10:37	WG837507
4-Chloroaniline	U		0.000382	0.0100	0.0100	1	12/23/2015 10:37	WG837507
4-Nitroaniline	U		0.000349	0.0100	0.0100	1	12/23/2015 10:37	WG837507
4-Nitrophenol	U		0.00201	0.0100	0.0100	1	12/23/2015 10:37	WG837507
Pentachlorophenol	U		0.000313	0.0100	0.0100	1	12/23/2015 10:37	WG837507
Phenol	U		0.000334	0.0100	0.0100	1	12/23/2015 10:37	WG837507
2,4,5-Trichlorophenol	U		0.000236	0.0100	0.0100	1	12/23/2015 10:37	WG837507
2,4,6-Trichlorophenol	U		0.000297	0.0100	0.0100	1	12/23/2015 10:37	WG837507
(S) 2-Fluorophenol	55.5				10.0-77.9		12/23/2015 10:37	WG837507
(S) Phenol-d5	33.4				5.00-70.1		12/23/2015 10:37	WG837507
(S) Nitrobenzene-d5	73.9				21.8-123		12/23/2015 10:37	WG837507
(S) 2-Fluorobiphenyl	79.5				29.5-131		12/23/2015 10:37	WG837507
(S) 2,4,6-Tribromophenol	88.6				11.2-130		12/23/2015 10:37	WG837507
(S) p-Terphenyl-d14	101				29.3-137		12/23/2015 10:37	WG837507

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	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Dissolved Solids	621		2.82	10.0	10.0	1	12/24/2015 09:48	WG838121

1 Cp

2 Tc

3 Ss

4 Cn

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Alkalinity	172		2.61	20.0	20.0	1	12/28/2015 09:02	WG838006

5 Sr

6 Qc

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Nitrate-Nitrite	3.01		0.0197	0.100	0.100	1	12/28/2015 14:07	WG837868

7 Gl

Wet Chemistry by Method 9040C

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	su			date / time	
pH	7.12		1	12/22/2015 14:01	WG837531

8 Al

9 Sc

Sample Narrative:

9040C L808328-04 WG837531: 7.12 at 22.9c

Wet Chemistry by Method 9050A

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	umhos/cm			date / time	
Specific Conductance	864		1	12/23/2015 11:22	WG837814

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Chloride	114		2.60	1.00	50.0	50	12/25/2015 00:24	WG838134
Fluoride	1.03		0.00990	0.100	0.100	1	12/25/2015 00:08	WG838134
Sulfate	80.9		0.0774	5.00	5.00	1	12/25/2015 00:08	WG838134

Mercury by Method 7470A

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Mercury	U		0.0000490	0.000200	0.000200	1	12/24/2015 09:51	WG837887

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Aluminum,Dissolved	0.0668	J	0.0350	0.200	0.200	1	12/23/2015 23:48	WG837593
Boron,Dissolved	0.167	J	0.0126	0.200	0.200	1	12/23/2015 23:48	WG837593
Calcium,Dissolved	113		0.0463	1.00	1.00	1	12/23/2015 23:48	WG837593
Iron,Dissolved	U		0.0141	0.100	0.100	1	12/23/2015 23:48	WG837593
Magnesium,Dissolved	16.5		0.0111	1.00	1.00	1	12/23/2015 23:48	WG837593
Molybdenum,Dissolved	U		0.00160	0.00500	0.00500	1	12/23/2015 23:48	WG837593
Potassium,Dissolved	2.41		0.102	1.00	1.00	1	12/23/2015 23:48	WG837593
Sodium,Dissolved	55.2	B	0.0985	1.00	1.00	1	12/23/2015 23:48	WG837593



Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Arsenic,Dissolved	0.00507		0.000250	0.00200	0.00200	1	12/29/2015 15:07	WG837894
Barium,Dissolved	0.0997		0.000360	0.00500	0.00500	1	12/29/2015 15:07	WG837894
Cadmium,Dissolved	U		0.000160	0.00100	0.00100	1	12/29/2015 15:07	WG837894
Chromium,Dissolved	0.00866		0.000540	0.00200	0.00200	1	12/29/2015 15:07	WG837894
Copper,Dissolved	0.00143	U	0.000520	0.00500	0.00500	1	12/29/2015 15:07	WG837894
Cobalt,Dissolved	U		0.000260	0.00200	0.00200	1	12/27/2015 22:32	WG838070
Lead,Dissolved	U		0.000240	0.00200	0.00200	1	12/29/2015 15:07	WG837894
Manganese,Dissolved	0.00217	U	0.000250	0.00500	0.00500	1	12/29/2015 15:07	WG837894
Nickel,Dissolved	0.000365	U	0.000350	0.00200	0.00200	1	12/29/2015 15:07	WG837894
Selenium,Dissolved	0.00387		0.000380	0.00200	0.00200	1	12/29/2015 15:07	WG837894
Silver,Dissolved	U		0.000310	0.00200	0.00200	1	12/29/2015 15:07	WG837894
Uranium,Dissolved	0.00188	U	0.000330	0.0100	0.0100	1	12/27/2015 22:32	WG838070
Zinc,Dissolved	0.0101	U	0.00256	0.0250	0.0250	1	12/29/2015 15:07	WG837894

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

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0100	1.00	1.00	1	12/31/2015 07:29	WG838218
Benzene	U		0.000331	0.00100	0.00100	1	12/31/2015 07:29	WG838218
Bromodichloromethane	U		0.000380	0.00125	0.00125	1	12/31/2015 07:29	WG838218
Bromoform	U		0.000469	0.00100	0.00100	1	12/31/2015 07:29	WG838218
Bromomethane	U		0.000866	0.00500	0.00500	1	12/31/2015 07:29	WG838218
n-Butylbenzene	U		0.000361	0.00100	0.00100	1	12/31/2015 07:29	WG838218
sec-Butylbenzene	U		0.000365	0.00100	0.00100	1	12/31/2015 07:29	WG838218
tert-Butylbenzene	U		0.000399	0.00100	0.00100	1	12/31/2015 07:29	WG838218
Carbon disulfide	U		0.000275	0.00100	0.00100	1	12/31/2015 07:29	WG838218
Carbon tetrachloride	U		0.000379	0.00100	0.00100	1	12/31/2015 07:29	WG838218
Chlorobenzene	U		0.000348	0.00100	0.00100	1	12/31/2015 07:29	WG838218
Chlorodibromomethane	U		0.000327	0.00100	0.00100	1	12/31/2015 07:29	WG838218
Chloroethane	U		0.000453	0.00500	0.00500	1	12/31/2015 07:29	WG838218
Chloroform	U		0.000324	0.00500	0.00500	1	12/31/2015 07:29	WG838218
Chloromethane	U		0.000276	0.00250	0.00250	1	12/31/2015 07:29	WG838218
1,2-Dibromoethane	U		0.000381	0.00100	0.00100	1	12/31/2015 07:29	WG838218
1,1-Dichloroethane	U		0.000259	0.00100	0.00100	1	12/31/2015 07:29	WG838218
1,2-Dichloroethane	U		0.000361	0.00100	0.00100	1	12/31/2015 07:29	WG838218
1,1-Dichloroethene	U		0.000398	0.00100	0.00100	1	12/31/2015 07:29	WG838218
cis-1,2-Dichloroethene	U		0.000260	0.00100	0.00100	1	12/31/2015 07:29	WG838218
trans-1,2-Dichloroethene	U		0.000396	0.00100	0.00100	1	12/31/2015 07:29	WG838218
1,2-Dichloropropane	U		0.000306	0.00100	0.00100	1	12/31/2015 07:29	WG838218
cis-1,3-Dichloropropene	U		0.000418	0.00100	0.00100	1	12/31/2015 07:29	WG838218
trans-1,3-Dichloropropene	U		0.000419	0.00100	0.00100	1	12/31/2015 07:29	WG838218
Ethylbenzene	U		0.000384	0.00100	0.00100	1	12/31/2015 07:29	WG838218
Hexachloro-1,3-butadiene	U		0.000256	0.00100	0.00100	1	12/31/2015 07:29	WG838218
2-Hexanone	U		0.00382	0.0100	0.0100	1	12/31/2015 07:29	WG838218
Isopropylbenzene	U		0.000326	0.00100	0.00100	1	12/31/2015 07:29	WG838218
p-Isopropyltoluene	U		0.000350	0.00100	0.00100	1	12/31/2015 07:29	WG838218
2-Butanone (MEK)	U		0.00393	0.0100	0.0100	1	12/31/2015 07:29	WG838218
Methylene Chloride	U		0.00100	0.00500	0.00500	1	12/31/2015 07:29	WG838218
4-Methyl-2-pentanone (MIBK)	U		0.00214	0.0100	0.0100	1	12/31/2015 07:29	WG838218
Methyl tert-butyl ether	U		0.000367	0.00100	0.00100	1	12/31/2015 07:29	WG838218
Naphthalene	U		0.00100	0.00500	0.00500	1	12/31/2015 07:29	WG838218
n-Propylbenzene	U		0.000349	0.00100	0.00100	1	12/31/2015 07:29	WG838218
Styrene	U		0.000307	0.00100	0.00100	1	12/31/2015 07:29	WG838218
1,1,2,2-Tetrachloroethane	U		0.000130	0.00100	0.00100	1	12/31/2015 07:29	WG838218
Tetrachloroethene	U		0.000372	0.00100	0.00100	1	12/31/2015 07:29	WG838218
Toluene	U		0.000780	0.00500	0.00500	1	12/31/2015 07:29	WG838218

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 mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
1,1,1-Trichloroethane	U		0.000319	0.00100	0.00100	1	12/31/2015 07:29	WG838218
1,1,2-Trichloroethane	U		0.000383	0.00100	0.00100	1	12/31/2015 07:29	WG838218
Trichloroethene	U		0.000398	0.00100	0.00100	1	12/31/2015 07:29	WG838218
1,2,4-Trimethylbenzene	U		0.000373	0.00100	0.00100	1	12/31/2015 07:29	WG838218
1,3,5-Trimethylbenzene	U		0.000387	0.00100	0.00100	1	12/31/2015 07:29	WG838218
Vinyl chloride	U		0.000259	0.00100	0.00100	1	12/31/2015 07:29	WG838218
Xylenes, Total	U		0.00106	0.00300	0.00300	1	12/31/2015 07:29	WG838218
(S) Toluene-d8	102				90.0-115		12/31/2015 07:29	WG838218
(S) Dibromofluoromethane	105				79.0-121		12/31/2015 07:29	WG838218
(S) 4-Bromofluorobenzene	93.0				80.1-120		12/31/2015 07:29	WG838218

Semi Volatile Organic Compounds (GC/MS) by Method 8270 C

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.000316	0.00100	0.00100	1	12/23/2015 11:01	WG837507
Acenaphthylene	U		0.000309	0.00100	0.00100	1	12/23/2015 11:01	WG837507
Acetophenone	U		0.00247	0.0100	0.0100	1	12/23/2015 11:01	WG837507
Anthracene	U		0.000291	0.00100	0.00100	1	12/23/2015 11:01	WG837507
Atrazine	U		0.000260	0.0100	0.0100	1	12/23/2015 11:01	WG837507
Benzo(a)anthracene	U		0.0000510	0.00100	0.00100	1	12/23/2015 11:01	WG837507
Benzaldehyde	U		0.00140	0.0100	0.0100	1	12/23/2015 11:01	WG837507
Benzo(b)fluoranthene	U		0.0000896	0.00100	0.00100	1	12/23/2015 11:01	WG837507
Benzo(k)fluoranthene	U		0.000355	0.00100	0.00100	1	12/23/2015 11:01	WG837507
Benzo(g,h,i)perylene	U		0.00000227	0.00100	0.00100	1	12/23/2015 11:01	WG837507
Benzo(a)pyrene	U		0.0000381	0.000200	0.000200	1	12/23/2015 11:01	WG837507
Biphenyl	U		0.000325	0.0100	0.0100	1	12/23/2015 11:01	WG837507
Bis(2-chlorethoxy)methane	U		0.000329	0.0100	0.0100	1	12/23/2015 11:01	WG837507
Bis(2-chloroethyl)ether	U		0.00162	0.0100	0.0100	1	12/23/2015 11:01	WG837507
Bis(2-chloroisopropyl)ether	U		0.000445	0.0100	0.0100	1	12/23/2015 11:01	WG837507
4-Bromophenyl-phenylether	U		0.000335	0.0100	0.0100	1	12/23/2015 11:01	WG837507
2-Chloronaphthalene	U		0.000330	0.00100	0.00100	1	12/23/2015 11:01	WG837507
4-Chlorophenyl-phenylether	U		0.000303	0.0100	0.0100	1	12/23/2015 11:01	WG837507
Caprolactam	U		0.00259	0.0100	0.0100	1	12/23/2015 11:01	WG837507
Carbazole	U		0.000260	0.0100	0.0100	1	12/23/2015 11:01	WG837507
Chrysene	U		0.000332	0.00100	0.00100	1	12/23/2015 11:01	WG837507
Dibenz(a,h)anthracene	U		0.0000644	0.000200	0.000200	1	12/23/2015 11:01	WG837507
Dibenzofuran	U		0.000338	0.0100	0.0100	1	12/23/2015 11:01	WG837507
3,3-Dichlorobenzidine	U		0.00202	0.0100	0.0100	1	12/23/2015 11:01	WG837507
2,4-Dinitrotoluene	U		0.00165	0.0100	0.0100	1	12/23/2015 11:01	WG837507
2,6-Dinitrotoluene	U		0.000279	0.0100	0.0100	1	12/23/2015 11:01	WG837507
Fluoranthene	U		0.000310	0.00100	0.00100	1	12/23/2015 11:01	WG837507
Fluorene	U		0.000323	0.00100	0.00100	1	12/23/2015 11:01	WG837507
Hexachlorobenzene	U		0.000341	0.00100	0.00100	1	12/23/2015 11:01	WG837507
Hexachloro-1,3-butadiene	U		0.000329	0.0100	0.0100	1	12/23/2015 11:01	WG837507
Hexachlorocyclopentadiene	U		0.00233	0.0100	0.0100	1	12/23/2015 11:01	WG837507
Hexachloroethane	U		0.000365	0.0100	0.0100	1	12/23/2015 11:01	WG837507
Indeno(1,2,3-cd)pyrene	U		0.000279	0.00100	0.00100	1	12/23/2015 11:01	WG837507
Isophorone	U		0.000272	0.0100	0.0100	1	12/23/2015 11:01	WG837507
1-Methylnaphthalene	U		0.000332	0.00100	0.00100	1	12/23/2015 11:01	WG837507
2-Methylnaphthalene	U		0.000311	0.00100	0.00100	1	12/23/2015 11:01	WG837507
Naphthalene	U		0.000372	0.00100	0.00100	1	12/23/2015 11:01	WG837507
Nitrobenzene	U		0.000367	0.0100	0.0100	1	12/23/2015 11:01	WG837507
n-Nitrosodiphenylamine	U		0.000304	0.0100	0.0100	1	12/23/2015 11:01	WG837507
n-Nitrosodi-n-propylamine	U		0.000403	0.0100	0.0100	1	12/23/2015 11:01	WG837507
Phenanthrene	U		0.000366	0.00100	0.00100	1	12/23/2015 11:01	WG837507
Benzylbutyl phthalate	U		0.000275	0.00300	0.00300	1	12/23/2015 11:01	WG837507

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Semi Volatile Organic Compounds (GC/MS) by Method 8270 C

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Bis(2-ethylhexyl)phthalate	U		0.000709	0.00300	0.00300	1	12/23/2015 11:01	WG837507
Di-n-butyl phthalate	U		0.000266	0.00300	0.00300	1	12/23/2015 11:01	WG837507
Diethyl phthalate	U		0.000282	0.00300	0.00300	1	12/23/2015 11:01	WG837507
Dimethyl phthalate	U		0.000283	0.00300	0.00300	1	12/23/2015 11:01	WG837507
Di-n-octyl phthalate	U		0.000278	0.00300	0.00300	1	12/23/2015 11:01	WG837507
Pyrene	U		0.000330	0.00100	0.00100	1	12/23/2015 11:01	WG837507
1,2,4-Trichlorobenzene	U		0.000355	0.0100	0.0100	1	12/23/2015 11:01	WG837507
4-Chloro-3-methylphenol	U		0.000263	0.0100	0.0100	1	12/23/2015 11:01	WG837507
2-Chlorophenol	U		0.000283	0.0100	0.0100	1	12/23/2015 11:01	WG837507
2,4-Dichlorophenol	U		0.000284	0.0100	0.0100	1	12/23/2015 11:01	WG837507
2,4-Dimethylphenol	U		0.000624	0.0100	0.0100	1	12/23/2015 11:01	WG837507
4,6-Dinitro-2-methylphenol	U		0.00262	0.0100	0.0100	1	12/23/2015 11:01	WG837507
2,4-Dinitrophenol	U		0.00325	0.0100	0.0100	1	12/23/2015 11:01	WG837507
2-Nitrophenol	U		0.000320	0.0100	0.0100	1	12/23/2015 11:01	WG837507
2-Nitroaniline	U		0.00190	0.0100	0.0100	1	12/23/2015 11:01	WG837507
2-Methylphenol	U		0.000312	0.0100	0.0100	1	12/23/2015 11:01	WG837507
3&4-Methyl Phenol	U		0.000266	0.0100	0.0100	1	12/23/2015 11:01	WG837507
3-Nitroaniline	U		0.000308	0.0100	0.0100	1	12/23/2015 11:01	WG837507
4-Chloroaniline	U		0.000382	0.0100	0.0100	1	12/23/2015 11:01	WG837507
4-Nitroaniline	U		0.000349	0.0100	0.0100	1	12/23/2015 11:01	WG837507
4-Nitrophenol	U		0.00201	0.0100	0.0100	1	12/23/2015 11:01	WG837507
Pentachlorophenol	U		0.000313	0.0100	0.0100	1	12/23/2015 11:01	WG837507
Phenol	U		0.000334	0.0100	0.0100	1	12/23/2015 11:01	WG837507
2,4,5-Trichlorophenol	U		0.000236	0.0100	0.0100	1	12/23/2015 11:01	WG837507
2,4,6-Trichlorophenol	U		0.000297	0.0100	0.0100	1	12/23/2015 11:01	WG837507
(S) 2-Fluorophenol	52.3				10.0-77.9		12/23/2015 11:01	WG837507
(S) Phenol-d5	30.2				5.00-70.1		12/23/2015 11:01	WG837507
(S) Nitrobenzene-d5	73.3				21.8-123		12/23/2015 11:01	WG837507
(S) 2-Fluorobiphenyl	80.4				29.5-131		12/23/2015 11:01	WG837507
(S) 2,4,6-Tribromophenol	84.4				11.2-130		12/23/2015 11:01	WG837507
(S) p-Terphenyl-d14	89.0				29.3-137		12/23/2015 11:01	WG837507

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



[L808328-01,02,03,04](#)

<u>MB Qualifier</u>	MB MDL mg/l	MB RDL mg/l
	2.82	10.0

Duplicate (DUP)

DUP Result mg/l	Dilution	DUP RPD %	<u>DUP Qualifier</u>	DUP RPD Limits %
3280	1	1.21		5

Laboratory Control Sample Duplicate (LCSD)

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 %
8760	8750	99.5	99.4	85.0-115			0.114	5

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc



[L808328-01,02,03,04](#)

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

MB Qualifier	MB MDL mg/l	MB RDL mg/l
	2.61	20.0

• Duplicate (DUP)

t	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
	194	1	0.514		20

• Duplicate (DUP)

t	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
	103	5	7.48		20

Laboratory Control Sample Duplicate (LCSD)

LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
108	109	108	109	85.0-115			0.922	20

• Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

D) 12/28/15 09:02

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 %
191	271	274	80.0	83.0	1	80.0-120			1.10	20

PROJECT:
227000

SDG:
L808328

DATE/TIME:
01/12/16 15:16

PAGE:
23 of 50



[L808328-01,02,03,04](#)

<u>MB Qualifier</u>	MB MDL mg/l	MB RDL mg/l
	0.0197	0.100

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Duplicate (DUP)

t	DUP Result mg/l	Dilution	DUP RPD %	<u>DUP Qualifier</u>	DUP RPD Limits %
	ND	1	98.0	P1	20

• Duplicate (DUP)

t	DUP Result mg/l	Dilution	DUP RPD %	<u>DUP Qualifier</u>	DUP RPD Limits %
	1.74	1	1.00		20

Laboratory Control Sample Duplicate (LCSD)

t	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 %
	5.11	5.08	102	102	90.0-110			1.00	20

• Matrix Spike (MS)

Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>
3.35	6.26	58.0	1	90.0-110	J6



[L808328-01,02,03,04](#)

• Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

12/28/15 14:17

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	%	%		%			%	%
0.00400	3.17	3.06	63.0	61.0	1	90.0-110	<u>J6</u>	<u>J6</u>	3.00	20

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

PROJECT:
227000

SDG:
L808328

DATE/TIME:
01/12/16 15:16

PAGE:
25 of 50



L808328-01,02,03,04

• Duplicate (DUP)

DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
SU		%		%
6.98	1	0.000		1

¹Cp

²Tc

³Ss

Laboratory Control Sample Duplicate (LCSD)

LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
SU	SU	%	%	%			%	%
6.67	6.67	99.3	99.3	98.5-102			0.000	1

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc



[L808328-01,02,03,04](#)

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

MB Qualifier MB RDL
umhos/cm

• Duplicate (DUP)

t	DUP Result umhos/cm	Dilution	DUP RPD %	<u>DUP Qualifier</u>	DUP RPD Limits %
	900	1	0.222		20

• Duplicate (DUP)

t	DUP Result umhos/cm	Dilution	DUP RPD %	<u>DUP Qualifier</u>	DUP RPD Limits %
	865	1	0.116		20

Laboratory Control Sample Duplicate (LCSD)

	LCS Result umhos/cm	LCSD Result umhos/cm	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
	938	936	103	102	90.0-110			0.213	20

PROJECT:
227000

SDG:
L808328

DATE/TIME:
01/12/16 15:16

PAGE:
27 of 50



[L808328-01,02,03,04](#)

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

<u>MB Qualifier</u>	MB MDL mg/l	MB RDL mg/l
	0.0519	1.00
	0.0099	0.100
	0.0774	5.00

• Duplicate (DUP)

t	DUP Result mg/l	Dilution	DUP RPD %	<u>DUP Qualifier</u>	DUP RPD Limits %
	8.60	1	4		15
	0.262	1	3		15

• Duplicate (DUP)

t	DUP Result mg/l	Dilution	DUP RPD %	<u>DUP Qualifier</u>	DUP RPD Limits %
	13.1	1	0		15
	0.0990	1	5		15
	0.380	1	0		15

Laboratory Control Sample Duplicate (LCSD)

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 %
39.4	39.4	99	99	80-120			0	15
7.84	7.86	98	98	80-120			0	15
40.3	40.3	101	101	80-120			0	15

• Matrix Spike (MS)

Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>

PROJECT:
227000

SDG:
L808328

DATE/TIME:
01/12/16 15:16

PAGE:
28 of 50



L808328-01,02,03,04

Matrix Spike (MS)

Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
mg/l	mg/l	%		%	
8.70	54.5	92	1	80-120	
0.378	5.58	104	1	80-120	
62.6	109	93	1	80-120	

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

D) 12/25/15 02:58

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	%	%		%			%	%
6.59	58.3	58.2	103	103	1	80-120			0	15
0.0921	5.33	5.32	105	105	1	80-120			0	15
9.81	61.7	61.6	104	104	1	80-120			0	15



L808328-01,02

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

<u>MB Qualifier</u>	MB MDL mg/l	MB RDL mg/l
	0.0774	5.00

• Duplicate (DUP)

t	DUP Result mg/l	Dilution	DUP RPD %	<u>DUP Qualifier</u>	DUP RPD Limits %
	121	2	0		15

• Duplicate (DUP)

t	DUP Result mg/l	Dilution	DUP RPD %	<u>DUP Qualifier</u>	DUP RPD Limits %
	1300	20	3		15

Laboratory Control Sample Duplicate (LCSD)

t	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 %
	39.9	39.6	100	99	80-120			1	15

• Matrix Spike (MS)

Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>
7.85	56.9	98	1	80-120	

PROJECT:
227000

SDG:
L808328

DATE/TIME:
01/12/16 15:16

PAGE:
30 of 50



L808328-01,02

• Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

12/29/15 15:34

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	%	%		%			%	%
12.8	61.2	61.0	97	96	1	80-120			0	15

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc



L808328-01,02,03,04

MB Qualifier	MB MDL mg/l	MB RDL mg/l
	0.000049	0.000200

¹Cp

²Tc

³Ss

Laboratory Control Sample Duplicate (LCSD)

⁴Cn

LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
0.00299	0.00300	100	100	80-120			0	20

⁵Sr

• Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

⁶Qc

D) 12/24/15 09:02

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 %
ND	0.00294	0.00297	98	99	1	75-125			1	20

⁷Gl

⁸Al

⁹Sc

QUALITY CONTROL SUMMARY

ONE LAB. NATIONWIDE.



[L808328-01,02,03,04](#)

<u>MB Qualifier</u>	<u>MB MDL</u> mg/l	<u>MB RDL</u> mg/l
	0.035	0.200
	0.0126	0.200
	0.0463	1.00
	0.0141	0.100
	0.0111	1.00
	0.0016	0.00500
	0.102	1.00
	0.0985	1.00

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

Laboratory Control Sample Duplicate (LCSD)

<u>LCS Result</u> mg/l	<u>LCSD Result</u> mg/l	<u>LCS Rec.</u> %	<u>LCSD Rec.</u> %	<u>Rec. Limits</u> %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	<u>RPD</u> %	<u>RPD Limits</u> %
1.13	1.15	113	115	80-120			2	20
1.06	1.07	106	107	80-120			1	20
10.1	10.3	101	103	80-120			2	20
0.981	0.989	98	99	80-120			1	20
11.3	11.5	113	115	80-120			1	20
0.986	1.01	99	101	80-120			2	20
10.7	10.8	107	108	80-120			1	20
10.4	10.6	104	106	80-120			2	20

⁷ Gl

⁸ Al

⁹ Sc

Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

01/12/23/15 22:48

<u>Original Result</u> mg/l	<u>MS Result</u> mg/l	<u>MSD Result</u> mg/l	<u>MS Rec.</u> %	<u>MSD Rec.</u> %	<u>Dilution</u>	<u>Rec. Limits</u> %	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	<u>RPD</u> %	<u>RPD Limits</u> %
0.140	1.25	1.17	111	103	1	75-125			6	20
0.0548	1.13	1.10	107	105	1	75-125			2	20
10.2	20.3	20.4	101	102	1	75-125			0	20
0.116	1.08	1.10	97	98	1	75-125			1	20
1.09	12.4	12.5	113	114	1	75-125			1	20
0.00486	0.996	1.00	99	100	1	75-125			1	20
1.02	11.4	11.5	104	105	1	75-125			0	20
1.98	11.9	11.9	100	100	1	75-125			0	20

PROJECT:
227000

SDG:
L808328

DATE/TIME:
01/12/16 15:16

PAGE:
33 of 50

QUALITY CONTROL SUMMARY

ONE LAB. NATIONWIDE.



[L808328-01,02,03,04](#)

<u>MB Qualifier</u>	<u>MB MDL</u> mg/l	<u>MB RDL</u> mg/l
	0.00025	0.00200
	0.00036	0.00500
	0.00016	0.00100
	0.00054	0.00200
	0.00052	0.00500
	0.00024	0.00200
	0.00025	0.00500
	0.00035	0.00200
	0.00038	0.00200
	0.00031	0.00200
	0.00256	0.0250

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Laboratory Control Sample Duplicate (LCSD)

<u>LCS Result</u> mg/l	<u>LCSD Result</u> mg/l	<u>LCS Rec.</u> %	<u>LCSD Rec.</u> %	<u>Rec. Limits</u> %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	<u>RPD</u> %	<u>RPD Limits</u> %
0.0495	0.0497	99	99	80-120			0	20
0.0513	0.0489	103	98	80-120			5	20
0.0512	0.0505	102	101	80-120			1	20
0.0512	0.0512	102	102	80-120			0	20
0.0540	0.0534	108	107	80-120			1	20
0.0496	0.0504	99	101	80-120			2	20
0.0499	0.0486	100	97	80-120			3	20
0.0519	0.0513	104	103	80-120			1	20
0.0488	0.0481	98	96	80-120			1	20
0.0506	0.0498	101	100	80-120			2	20
0.0500	0.0501	100	100	80-120			0	20

• Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

12/29/15 14:48

<u>Original Result</u> mg/l	<u>MS Result</u> mg/l	<u>MSD Result</u> mg/l	<u>MS Rec.</u> %	<u>MSD Rec.</u> %	<u>Dilution</u>	<u>Rec. Limits</u> %	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	<u>RPD</u> %	<u>RPD Limits</u> %
0.0000783	0.0514	0.0500	103	100	1	75-125			3	20

PROJECT:
227000

SDG:
L808328

DATE/TIME:
01/12/16 15:16

PAGE:
34 of 50



[L808328-01,02,03,04](#)

• Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

12/29/15 14:48

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 %
0.0174	0.0695	0.0675	104	100	1	75-125			3	20
0.0000104	0.0530	0.0515	106	103	1	75-125			3	20
0.00112	0.0520	0.0519	102	102	1	75-125			0	20
0.00127	0.0550	0.0547	107	107	1	75-125			0	20
0.000104	0.0508	0.0504	101	100	1	75-125			1	20
0.0441	0.0934	0.0923	99	96	1	75-125			1	20
0.000222	0.0512	0.0508	102	101	1	75-125			1	20
0.0000709	0.0477	0.0501	95	100	1	75-125			5	20
0.000143	0.0505	0.0504	101	101	1	75-125			0	20
0.00233	0.0526	0.0517	101	99	1	75-125			2	20

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

PROJECT:
227000

SDG:
L808328

DATE/TIME:
01/12/16 15:16

PAGE:
35 of 50



L808328-01,02,03,04

<u>MB Qualifier</u>	<u>MB MDL</u> mg/l	<u>MB RDL</u> mg/l
	0.00026	0.00200
	0.00033	0.0100

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample Duplicate (LCSD)

<u>LCS Result</u> mg/l	<u>LCSD Result</u> mg/l	<u>LCS Rec.</u> %	<u>LCSD Rec.</u> %	<u>Rec. Limits</u> %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	<u>RPD</u> %	<u>RPD Limits</u> %
0.0518	0.0513	104	103	80-120			1	20
0.0502	0.0530	100	106	80-120			6	20

• Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

12/27/15 21:15										
Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD	RPD Limits
mg/l	mg/l	mg/l	%	%		%			%	%
0.00393	0.0557	0.0563	103	105	1	75-125			1	20
0.0000484	0.0478	0.0480	95	96	1	75-125			0	20

QUALITY CONTROL SUMMARY

ONE LAB. NATIONWIDE.



Method 8260B

[L808328-01,02,03,04](#)

<u>MB Qualifier</u>	<u>MB MDL</u> mg/l	<u>MB RDL</u> mg/l	¹ Cp
	0.0100	1.00	² Tc
	0.000331	0.00100	³ Ss
	0.000380	0.00125	⁴ Cn
	0.000469	0.00100	⁵ Sr
	0.000866	0.00500	⁶ Qc
	0.000361	0.00100	⁷ Gl
	0.000365	0.00100	⁸ Al
	0.000399	0.00100	⁹ Sc
	0.000275	0.00100	
	0.000379	0.00100	
	0.000348	0.00100	
	0.000327	0.00100	
	0.000453	0.00500	
	0.000324	0.00500	
	0.000276	0.00250	
	0.000381	0.00100	
	0.000259	0.00100	
	0.000361	0.00100	
	0.000398	0.00100	
	0.000260	0.00100	
	0.000396	0.00100	
	0.000306	0.00100	
	0.000418	0.00100	
	0.000419	0.00100	
	0.000384	0.00100	
	0.000256	0.00100	
	0.00382	0.0100	
	0.000326	0.00100	
	0.000350	0.00100	
	0.00393	0.0100	
	0.00100	0.00500	
	0.00214	0.0100	
	0.000367	0.00100	
	0.00100	0.00500	
	0.000349	0.00100	
	0.000307	0.00100	

PROJECT:
227000

SDG:
L808328

DATE/TIME:
01/12/16 15:16

PAGE:
37 of 50

QUALITY CONTROL SUMMARY

ONE LAB. NATIONWIDE.



Method 8260B

[L808328-01,02,03,04](#)

<u>MB Qualifier</u>	<u>MB MDL</u> mg/l	<u>MB RDL</u> mg/l
	0.000130	0.00100
	0.000372	0.00100
	0.000780	0.00500
	0.000319	0.00100
	0.000383	0.00100
	0.000398	0.00100
	0.000373	0.00100
	0.000387	0.00100
	0.000259	0.00100
	0.00106	0.00300
		90.0-115
		79.0-121
		80.1-120

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

Laboratory Control Sample Duplicate (LCSD)

<u>LCS Result</u> mg/l	<u>LCSD Result</u> mg/l	<u>LCS Rec.</u> %	<u>LCSD Rec.</u> %	<u>Rec. Limits</u> %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	<u>RPD</u> %	<u>RPD Limits</u> %
0.140	0.117	112	94.0	28.7-175			17.3	20.9
0.0285	0.0281	114	112	73.0-122			1.39	20
0.0242	0.0236	96.7	94.3	75.5-121			2.46	20
0.0217	0.0211	86.6	84.2	71.5-131			2.86	20
0.0310	0.0296	124	118	22.4-187			4.64	20
0.0314	0.0299	126	120	75.9-134			4.91	20
0.0268	0.0265	107	106	80.6-126			1.14	20
0.0259	0.0258	104	103	79.3-127			0.360	20
0.0313	0.0298	125	119	53.0-134			5.02	20
0.0258	0.0247	103	98.9	70.9-129			4.08	20
0.0258	0.0256	103	102	79.7-122			0.900	20
0.0239	0.0236	95.5	94.4	78.2-124			1.23	20
0.0354	0.0327	141	131	41.2-153			7.85	20
0.0269	0.0262	108	105	73.2-125			2.75	20
0.0310	0.0293	124	117	55.8-134			5.47	20
0.0248	0.0237	99.2	95.0	79.8-122			4.30	20
0.0292	0.0279	117	111	71.7-127			4.52	20

PROJECT:
227000

SDG:
L808328

DATE/TIME:
01/12/16 15:16

PAGE:
38 of 50

QUALITY CONTROL SUMMARY

ONE LAB. NATIONWIDE.



Method 8260B

[L808328-01,02,03,04](#)

Laboratory Control Sample Duplicate (LCSD)

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 %
0.0272	0.0266	109	106	65.3-126			2.22	20
0.0297	0.0285	119	114	59.9-137			4.03	20
0.0278	0.0272	111	109	77.3-122			2.34	20
0.0282	0.0271	113	108	72.6-125			4.14	20
0.0280	0.0271	112	108	77.4-125			3.25	20
0.0256	0.0252	103	101	77.7-124			1.84	20
0.0252	0.0241	101	96.3	73.5-127			4.57	20
0.0262	0.0258	105	103	80.9-121			1.89	20
0.0275	0.0262	110	105	73.7-133			4.98	20
0.147	0.126	118	101	59.4-151			15.3	20
0.0264	0.0261	106	104	81.6-124			1.12	20
0.0260	0.0258	104	103	77.6-129			0.700	20
0.142	0.124	114	99.4	46.4-155			13.3	20
0.0278	0.0268	111	107	69.5-120			3.79	20
0.145	0.129	116	103	63.3-138			11.7	20
0.0284	0.0256	114	102	70.1-125			10.6	20
0.0302	0.0280	121	112	69.7-134			7.53	20
0.0268	0.0264	107	105	81.9-122			1.63	20
0.0265	0.0259	106	103	79.9-124			2.52	20
0.0258	0.0242	103	96.7	79.3-123			6.51	20
0.0247	0.0247	98.9	98.6	73.5-130			0.310	20
0.0254	0.0248	102	99.1	77.9-116			2.47	20
0.0275	0.0264	110	106	71.1-129			4.09	20
0.0244	0.0243	97.7	97.3	81.6-120			0.340	20
0.0262	0.0258	105	103	79.5-121			1.60	20
0.0257	0.0253	103	101	79.0-122			1.30	20
0.0259	0.0258	103	103	81.0-123			0.220	20
0.0317	0.0298	127	119	61.5-134			6.00	20
0.0778	0.0764	104	102	79.2-122			1.78	20
		104	105	90.0-115				
		106	105	79.0-121				
		94.1	94.2	80.1-120				

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

PROJECT:
227000

SDG:
L808328

DATE/TIME:
01/12/16 15:16

PAGE:
39 of 50

QUALITY CONTROL SUMMARY

ONE LAB. NATIONWIDE.



Method 8260B

[L808328-01,02,03,04](#)

Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

12/31/15 00:29

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 %
0.0164	0.0674	0.0718	40.8	44.3	1	25.0-156			6.30	21.5
ND	0.0239	0.0270	95.6	108	1	58.6-133			12.1	20
ND	0.0210	0.0240	83.9	96.2	1	69.2-127			13.7	20
ND	0.0202	0.0221	81.0	88.4	1	66.3-140			8.81	20
ND	0.0180	0.0232	71.8	92.8	1	16.6-183		J3	25.4	20.5
ND	0.0274	0.0312	109	125	1	64.8-145			13.0	20
ND	0.0237	0.0269	94.9	107	1	66.8-139			12.4	20
ND	0.0230	0.0256	91.9	102	1	67.1-138			10.7	20
0.000537	0.0235	0.0278	91.7	109	1	34.9-138			16.9	20
ND	0.0219	0.0260	87.4	104	1	60.6-139			17.5	20
ND	0.0227	0.0253	90.7	101	1	70.1-130			10.9	20
ND	0.0214	0.0239	85.7	95.7	1	71.6-132			11.0	20
ND	0.0289	0.0352	115	141	1	33.3-155			19.8	20
ND	0.0228	0.0258	91.3	103	1	66.1-133			12.1	20
ND	0.0219	0.0268	87.5	107	1	40.7-139		J3	20.3	20
ND	0.0217	0.0238	86.9	95.0	1	73.8-131			9.00	20
ND	0.0242	0.0274	96.9	109	1	64.0-134			12.2	20
ND	0.0238	0.0262	95.1	105	1	60.7-132			9.87	20
ND	0.0236	0.0280	94.5	112	1	48.8-144			17.0	20
0.150	0.149	0.150	0.000	0.0152	1	60.6-136	V	V	0.700	20
0.000338	0.0232	0.0262	91.4	103	1	61.0-132			12.2	20
ND	0.0239	0.0269	95.4	108	1	69.7-130			12.0	20
ND	0.0223	0.0245	89.1	97.9	1	71.1-129			9.37	20
ND	0.0218	0.0242	87.4	96.7	1	66.3-136			10.1	20
ND	0.0226	0.0254	90.2	102	1	62.7-136			12.0	20
ND	0.0237	0.0270	94.9	108	1	61.1-144			13.0	20.1
ND	0.0984	0.107	78.7	85.5	1	59.4-154			8.22	20.1
ND	0.0231	0.0264	92.4	105	1	67.4-136			13.2	20
ND	0.0232	0.0265	93.0	106	1	62.8-143			13.0	20
0.0553	0.145	0.148	71.9	73.9	1	45.0-156			1.67	20.8
0.000315	0.0227	0.0265	89.6	105	1	61.5-125			15.4	20
ND	0.122	0.137	97.2	109	1	60.7-150			11.8	20
ND	0.0233	0.0276	93.2	110	1	61.4-136			16.8	20
ND	0.0264	0.0299	106	120	1	61.8-143			12.3	20
ND	0.0237	0.0269	95.0	108	1	63.2-139			12.5	20
ND	0.0227	0.0252	90.8	101	1	68.2-133			10.3	20

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

PROJECT:
227000

SDG:
L808328

DATE/TIME:
01/12/16 15:16

PAGE:
40 of 50

QUALITY CONTROL SUMMARY

ONE LAB. NATIONWIDE.



Method 8260B

[L808328-01,02,03,04](#)

Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

12/31/15 00:29

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 %
ND	0.0230	0.0257	91.9	103	1	64.9-145			11.1	20
0.00863	0.0275	0.0298	75.5	84.6	1	57.4-141			7.92	20
ND	0.0215	0.0244	86.1	97.6	1	67.8-124			12.6	20
ND	0.0235	0.0270	94.0	108	1	58.7-134			13.7	20
ND	0.0223	0.0235	89.1	93.9	1	74.1-130			5.29	20
0.00164	0.0231	0.0262	85.8	98.4	1	48.9-148			12.7	20
ND	0.0228	0.0259	91.1	104	1	60.5-137			12.8	20
ND	0.0232	0.0260	92.7	104	1	67.9-134			11.5	20
ND	0.0247	0.0283	98.7	113	1	44.3-143			13.9	20
ND	0.0682	0.0765	91.0	102	1	65.6-133			11.5	20
			104	105		90.0-115				
			106	106		79.0-121				
			96.1	95.8		80.1-120				

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

PROJECT:
227000

SDG:
L808328

DATE/TIME:
01/12/16 15:16

PAGE:
41 of 50

QUALITY CONTROL SUMMARY

ONE LAB. NATIONWIDE.



MS) by Method 8270 C

[L808328-01,02,03,04](#)

<u>MB Qualifier</u>	<u>MB MDL</u> mg/l	<u>MB RDL</u> mg/l	¹ Cp
	0.000316	0.00100	² Tc
	0.000309	0.00100	³ Ss
	0.00247	0.0100	⁴ Cn
	0.000291	0.00100	⁵ Sr
	0.000260	0.0100	⁶ Qc
	0.00140	0.0100	⁷ Gl
	0.0000510	0.00100	⁸ Al
	0.0000896	0.00100	⁹ Sc
	0.000355	0.00100	
	0.00000227	0.00100	
	0.0000381	0.000200	
	0.000325	0.0100	
	0.000329	0.0100	
	0.00162	0.0100	
	0.000445	0.0100	
	0.000335	0.0100	
	0.00259	0.0100	
	0.000260	0.0100	
	0.000382	0.0100	
	0.000330	0.00100	
	0.000303	0.0100	
	0.000332	0.00100	
	0.0000644	0.000200	
	0.000338	0.0100	
	0.00202	0.0100	
	0.00165	0.0100	
	0.000279	0.0100	
	0.000310	0.00100	
	0.000323	0.00100	
	0.000341	0.00100	
	0.000329	0.0100	
	0.00233	0.0100	
	0.000365	0.0100	
	0.000279	0.00100	
	0.000272	0.0100	
	0.000332	0.00100	

PROJECT:
227000

SDG:
L808328

DATE/TIME:
01/12/16 15:16

PAGE:
42 of 50

MB Qualifier	MB MDL	MB RDL	
	mg/l	mg/l	
	0.000311	0.00100	¹Cp
	0.000372	0.00100	²Tc
	0.00190	0.0100	³Ss
	0.000308	0.0100	⁴Cn
	0.000349	0.0100	
	0.000367	0.0100	⁵Sr
	0.000304	0.0100	
	0.000403	0.0100	⁶Qc
	0.000366	0.00100	
	0.000275	0.00300	⁷Gl
	0.000709	0.00300	
	0.000266	0.00300	⁸Al
	0.000282	0.00300	
	0.000283	0.00300	⁹Sc
	0.000278	0.00300	
	0.000330	0.00100	
	0.000355	0.0100	
	0.000263	0.0100	
	0.000283	0.0100	
	0.000312	0.0100	
	0.000266	0.0100	
	0.000284	0.0100	
	0.000624	0.0100	
	0.00262	0.0100	
	0.00325	0.0100	
	0.000320	0.0100	
	0.00201	0.0100	
	0.000313	0.0100	
	0.000334	0.0100	
	0.000236	0.0100	
	0.000297	0.0100	
		21.8-123	
		29.5-131	
		29.3-137	
		5.00-70.1	
		10.0-77.9	

<u>MB Qualifier</u>	MB MDL	MB RDL
	mg/l	mg/l
		11.2-130

Laboratory Control Sample Duplicate (LCSD)

LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
mg/l	mg/l	%	%	%			%	%
0.0410	0.0407	82.0	81.5	38.7-109			0.650	21.5
0.0389	0.0398	77.9	79.6	36.0-106			2.21	21
0.0384	0.0381	76.9	76.2	41.6-104			0.890	24.8
0.0382	0.0395	76.3	79.1	43.6-113			3.53	18.8
0.0510	0.0491	102	98.2	50.0-123			3.78	21.5
0.0301	0.0320	60.3	63.9	11.7-132			5.82	25.2
0.0399	0.0409	79.9	81.8	51.2-112			2.34	20
0.0369	0.0405	73.9	81.0	47.6-111			9.14	20
0.0381	0.0361	76.1	72.1	49.4-114			5.36	20
0.0425	0.0450	84.9	90.0	45.2-117			5.75	20
0.0392	0.0401	78.4	80.2	45.6-106			2.25	20
0.0405	0.0410	81.0	82.0	38.0-103			1.24	20.1
0.0353	0.0364	70.5	72.8	37.2-111			3.19	24.1
0.0327	0.0323	65.4	64.6	22.6-108			1.20	27.9
0.0389	0.0366	77.8	73.2	32.9-100			6.14	25.1
0.0419	0.0425	83.8	84.9	40.7-116			1.41	21
0.00675	0.00802	13.5	16.0	10.0-40.4			17.2	40
0.0369	0.0390	73.9	78.1	49.0-110			5.52	20
0.0324	0.0332	64.8	66.4	32.0-104			2.36	26.4
0.0386	0.0376	77.2	75.2	33.6-105			2.66	23
0.0426	0.0419	85.1	83.8	39.0-113			1.61	20.9
0.0383	0.0388	76.6	77.6	54.6-120			1.24	20
0.0410	0.0430	82.0	85.9	42.8-118			4.64	20
0.0398	0.0392	79.7	78.3	42.4-105			1.69	20
0.0403	0.0422	80.6	84.5	27.2-142			4.70	22.3
0.0434	0.0404	86.8	80.8	31.2-105			7.17	22
0.0415	0.0428	82.9	85.5	30.6-106			3.09	23.1
0.0404	0.0420	80.8	84.0	45.9-115			3.90	20
0.0397	0.0390	79.4	77.9	41.0-112			1.82	20.2

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Laboratory Control Sample Duplicate (LCSD)

LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
mg/l	mg/l	%	%	%			%	%
0.0430	0.0461	86.1	92.2	38.5-116			6.93	20.1
0.0408	0.0418	81.5	83.6	16.1-104			2.52	31.2
0.0261	0.0262	52.2	52.4	10.0-121			0.350	27.9
0.0344	0.0356	68.8	71.1	16.5-89.8			3.25	30.7
0.0425	0.0446	84.9	89.1	45.0-116			4.87	20
0.0405	0.0424	80.9	84.8	35.4-112			4.62	21.5
0.0420	0.0424	83.9	84.7	34.7-102			0.920	24.9
0.0370	0.0367	74.0	73.4	33.8-98.6			0.940	24.2
0.0370	0.0373	73.9	74.5	32.2-101			0.810	23.8
0.0373	0.0378	74.5	75.7	35.6-113			1.56	20.9
0.0321	0.0329	64.2	65.8	33.6-103			2.35	21.8
0.0393	0.0412	78.6	82.3	35.4-124			4.62	23.1
0.0376	0.0386	75.2	77.1	31.4-106			2.46	25.7
0.0344	0.0368	68.8	73.6	44.4-113			6.83	20
0.0376	0.0372	75.2	74.4	33.2-106			1.12	23.7
0.0379	0.0388	75.8	77.6	46.4-113			2.33	20
0.0410	0.0401	82.0	80.2	31.8-123			2.28	20.7
0.0398	0.0390	79.6	77.9	36.9-134			2.10	23.6
0.0411	0.0424	82.2	84.8	41.8-120			3.14	20.2
0.0452	0.0434	90.4	86.9	36.5-129			3.91	20
0.0416	0.0421	83.3	84.1	35.3-128			1.05	20.8
0.0390	0.0393	78.0	78.5	39.7-112			0.700	21.1
0.0398	0.0399	79.5	79.8	46.3-117			0.340	20
0.0370	0.0407	74.1	81.4	22.9-96.1			9.44	27.5
0.0429	0.0437	85.8	87.3	35.7-100			1.71	22.9
0.0350	0.0353	70.0	70.6	26.2-91.5			0.890	26.5
0.0305	0.0310	60.9	62.0	26.4-86.9			1.84	26.5
0.0319	0.0340	63.7	68.0	27.9-92.0			6.46	27
0.0409	0.0436	81.9	87.3	31.4-103			6.33	24.9
0.0398	0.0420	79.6	84.0	31.9-107			5.41	25.7
0.0386	0.0411	77.2	82.3	18.4-148			6.30	24.4
0.0231	0.0276	46.2	55.1	24.2-128			17.7	20.5
0.0403	0.0428	80.7	85.6	25.9-106			5.90	26.9
0.0180	0.0187	35.9	37.5	10.0-52.7			4.22	40
0.0342	0.0379	68.5	75.7	10.0-97.4			10.1	35.1
0.0159	0.0166	31.7	33.2	10.0-57.9			4.49	35

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc

Laboratory Control Sample Duplicate (LCSD)

LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
mg/l	mg/l	%	%	%			%	%
0.0408	0.0406	81.6	81.2	34.9-112			0.480	23.9
0.0417	0.0412	83.3	82.3	29.8-107			1.22	24.1
		72.9	68.5	21.8-123				
		75.5	70.9	29.5-131				
		87.0	82.1	29.3-137				
		29.1	31.6	5.00-70.1				
		51.2	49.2	10.0-77.9				
		88.0	88.0	11.2-130				

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



Abbreviations and Definitions

SDG	Sample Delivery Group.
MDL	Method Detection Limit.
RDL	Reported Detection Limit.
ND,U	Not detected at the Sample Detection Limit.
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

B	The same analyte is found in the associated blank.
J	The identification of the analyte is acceptable; the reported value is an estimate.
J3	The associated batch QC was outside the established quality control range for precision.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
P1	RPD value not applicable for sample concentrations less than 5 times the reporting limit.
V	The sample concentration is too high to evaluate accurate spike recoveries.

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ 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 ¹	DW21704
Florida	E87487	North Carolina ²	41
Georgia	NELAP	North Dakota	R-140
Georgia ¹	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 ¹	90010	South Dakota	n/a
Kentucky ²	16	Tennessee ¹⁴	2006
Louisiana	AI30792	Texas	T 104704245-07-TX
Maine	TN0002	Texas ⁵	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		

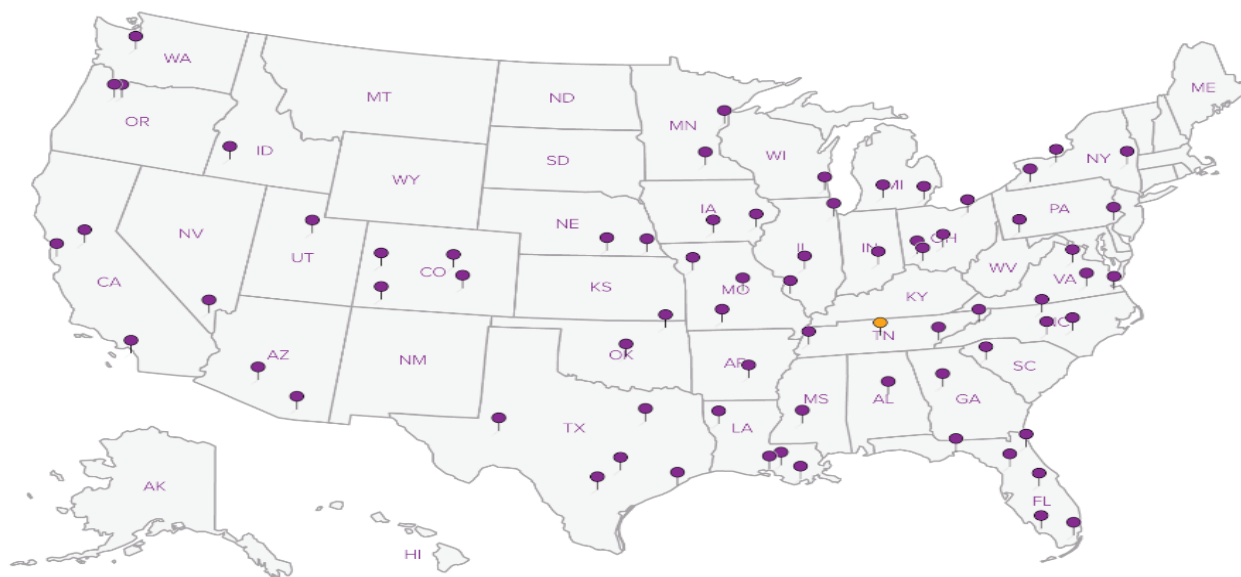
Third Party & Federal Accreditations

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

¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold ^{n/a} 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.**



[illegible]

ESC Lab Sciences Non-Conformance Form

Login # L808328	Client: TRCATX	Date:12/18/15	Evaluated by:Matt S

Non-Conformance (check applicable items)

Sample Integrity		Chain of Custody Clarification	
Parameter(s) past holding time	x	Login Clarification Needed	If Broken Container:
Improper temperature		Chain of custody is incomplete	Insufficient packing material around container
Improper container type		Please specify Metals requested.	Insufficient packing material inside cooler
Improper preservation		Please specify TCLP requested.	Improper handling by carrier (FedEx / UPS / Courie
Insufficient sample volume.		Received additional samples not listed on coc.	Sample was frozen
Sample is biphasic.		Sample ids on containers do not match ids on coc	Container lid not intact
Vials received with headspace.		Trip Blank not received.	If no Chain of Custody:
Broken container		Client did not "X" analysis.	Received by:
Broken container:		Chain of Custody is missing	Date/Time:
Sufficient sample remains			Temp./Cont. Rec./pH:
			Carrier:
			Tracking#

Login Comments: please clarify analysis

Client informed by:	Call	Email	Voice Mail	Date:	Time:
TSR Initials:	Client Contact:				

Login Instructions:

Please log for the followings:

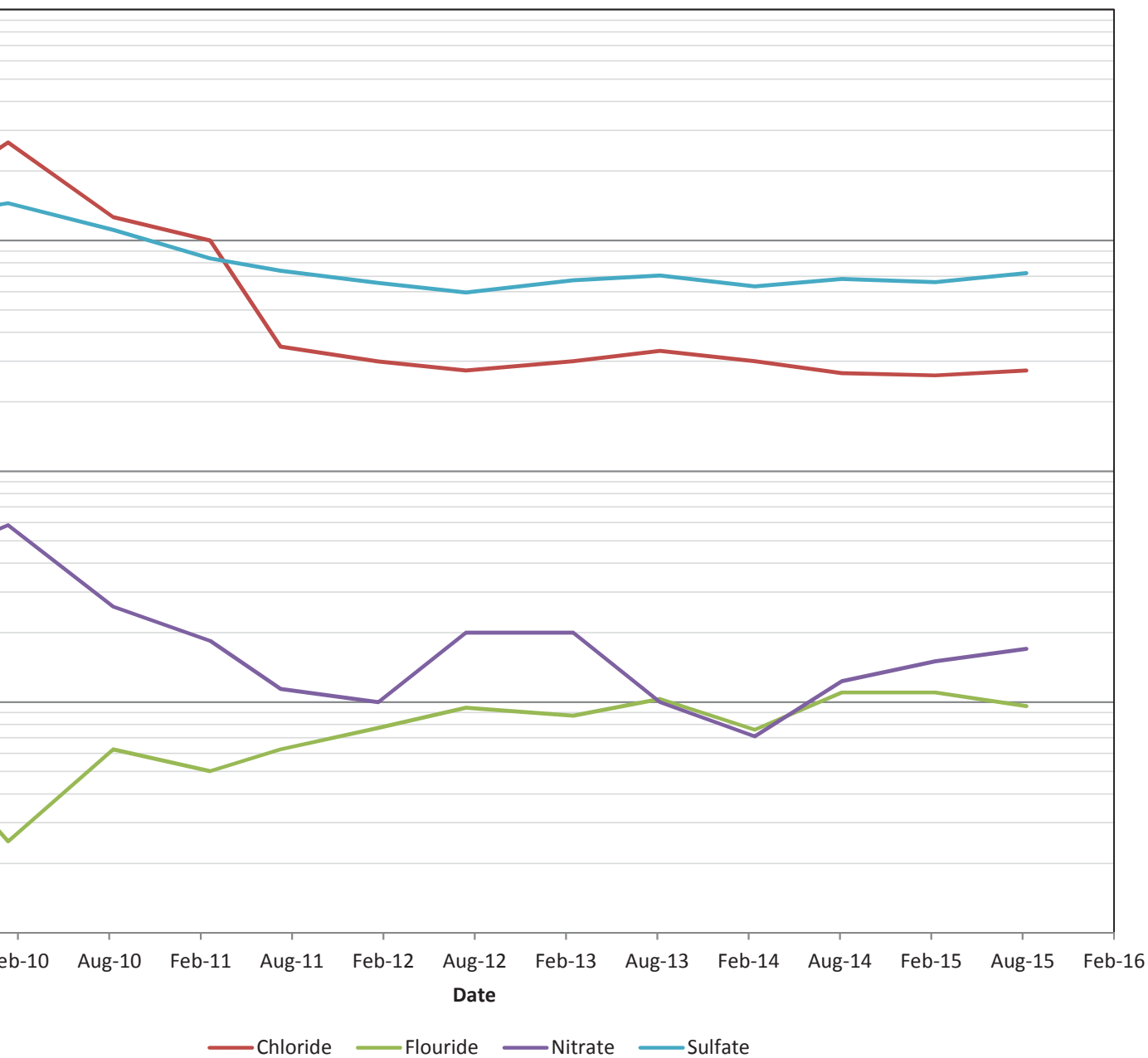
8260 Volatiles (V8260), 8270 Semivolatiles (8270TX), 6010 Dissolved Metals (Al, Ca, Fe, K, Mg, Na), 6020 Dissolved Metals (Ag, As, Ba, Cd, Co, Cr, Cu, Mn, Ni, Pb, Se, U, Zn), 7470 Total Hg, , Specific Conductance, Alkalinity, 9056 Chloride, Fluoride, Sulfate, TDS, pH (we do not analyze by 150.2 so please enter 9040C, Nitrate/Nitrite 353.2

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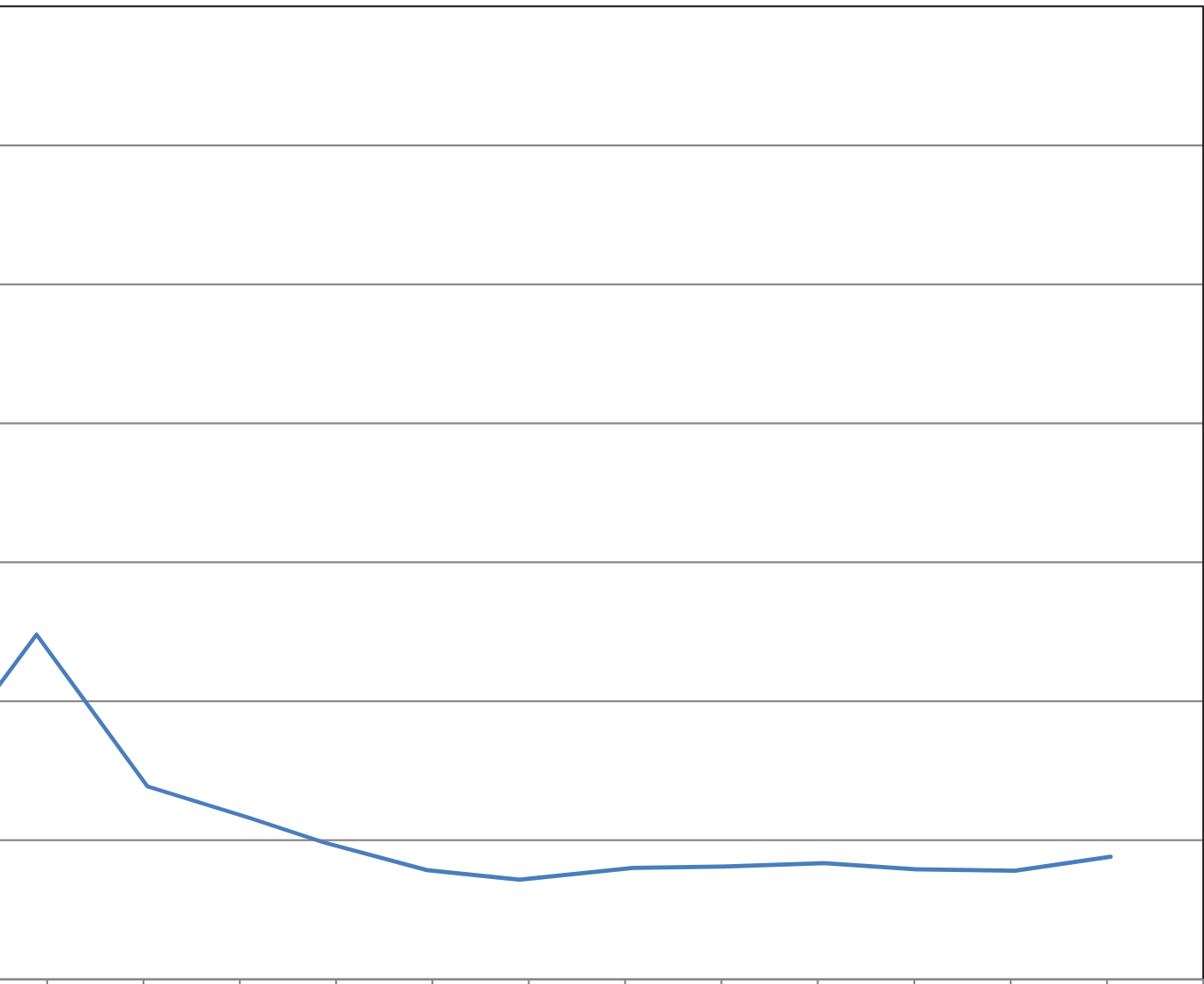
APPENDIX C

PLOTS OF GROUNDWATER CONCENTRATIONS OVER TIME

MW-1: ANION CONCENTRATIONS OVER TIME



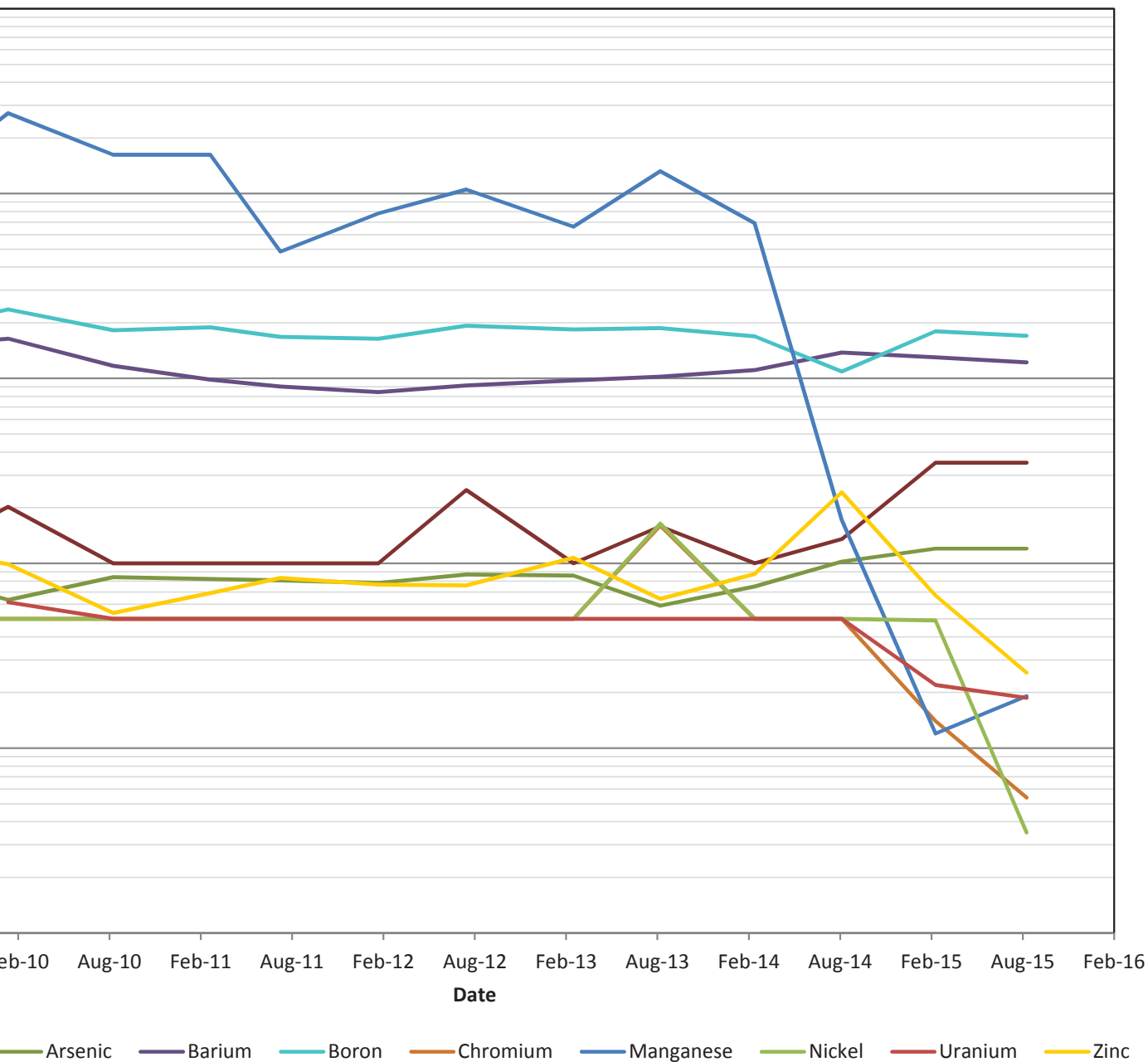
MW-1: TDS CONCENTRATIONS OVER TIME



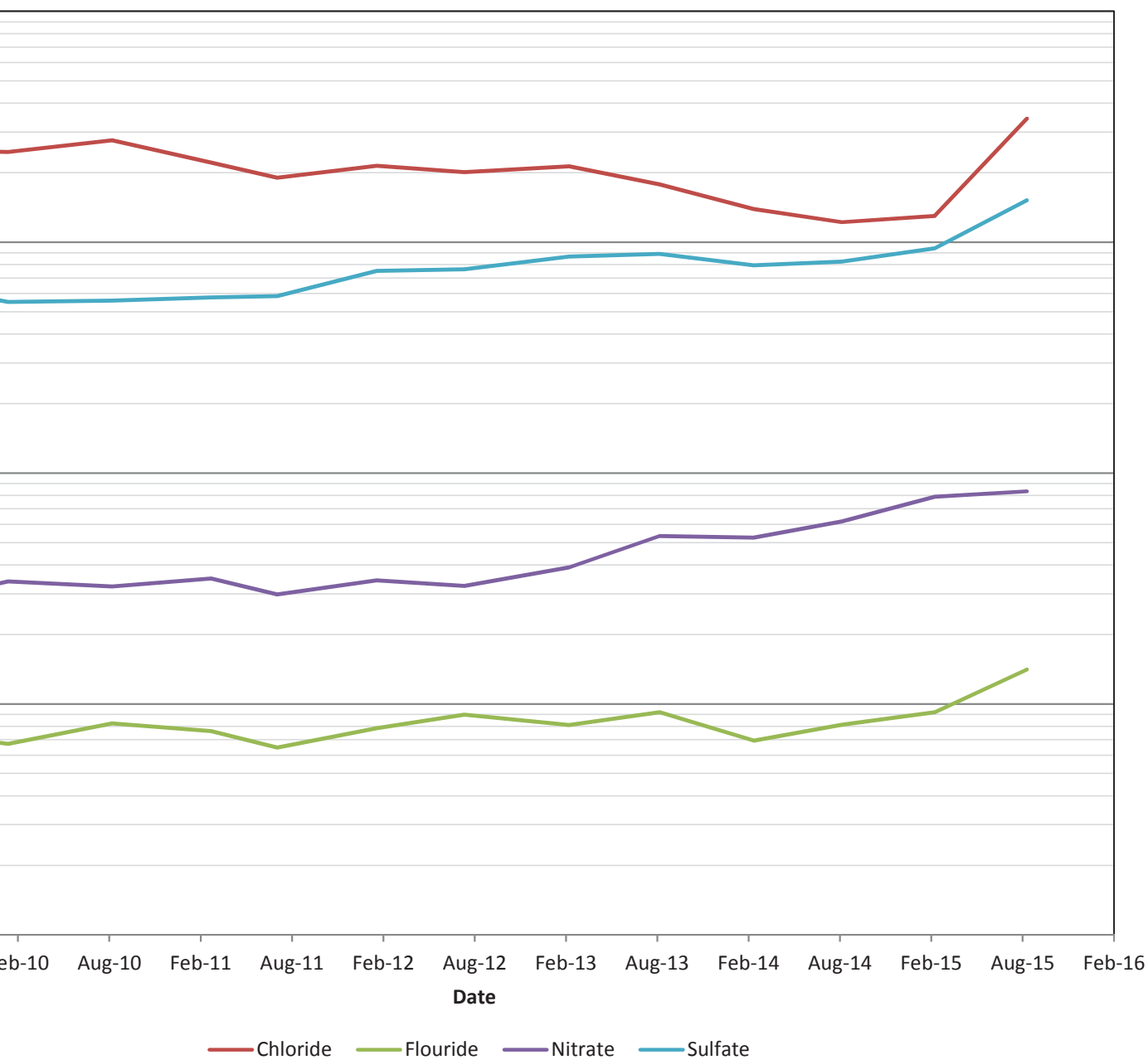
Date

TDS

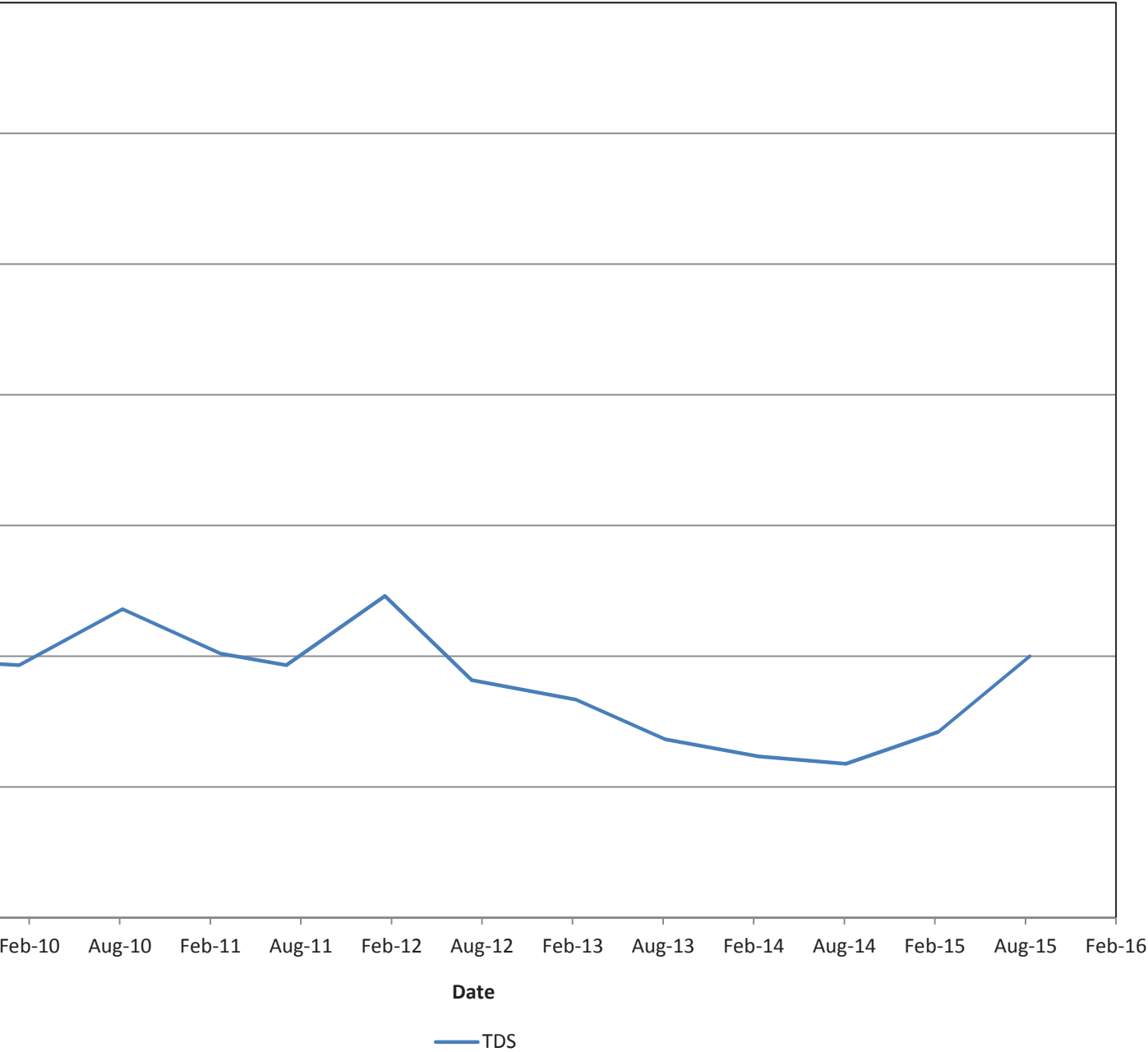
MW-1: METAL CONCENTRATIONS OVER TIME



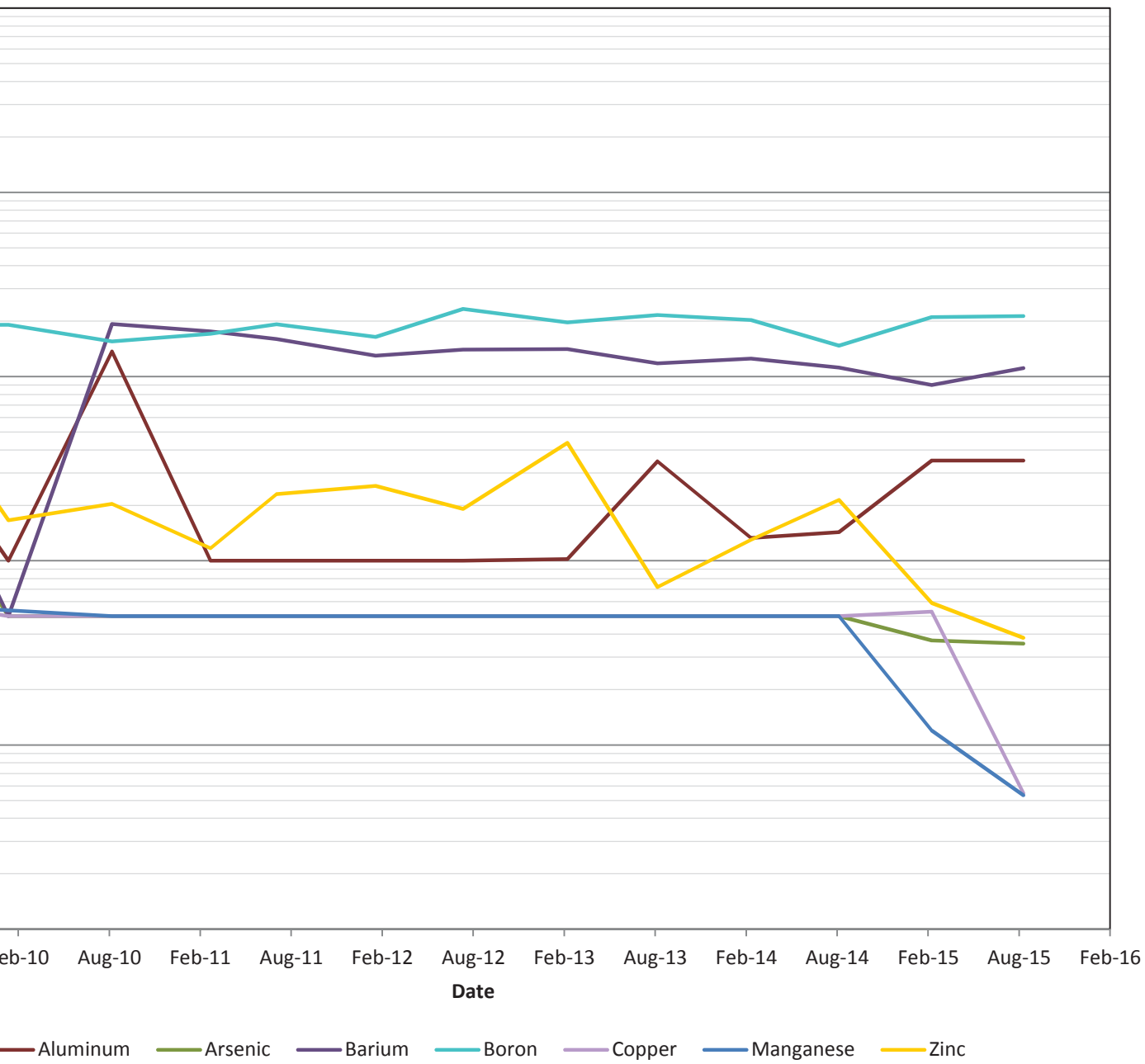
MW-2: ANION CONCENTRATIONS OVER TIME



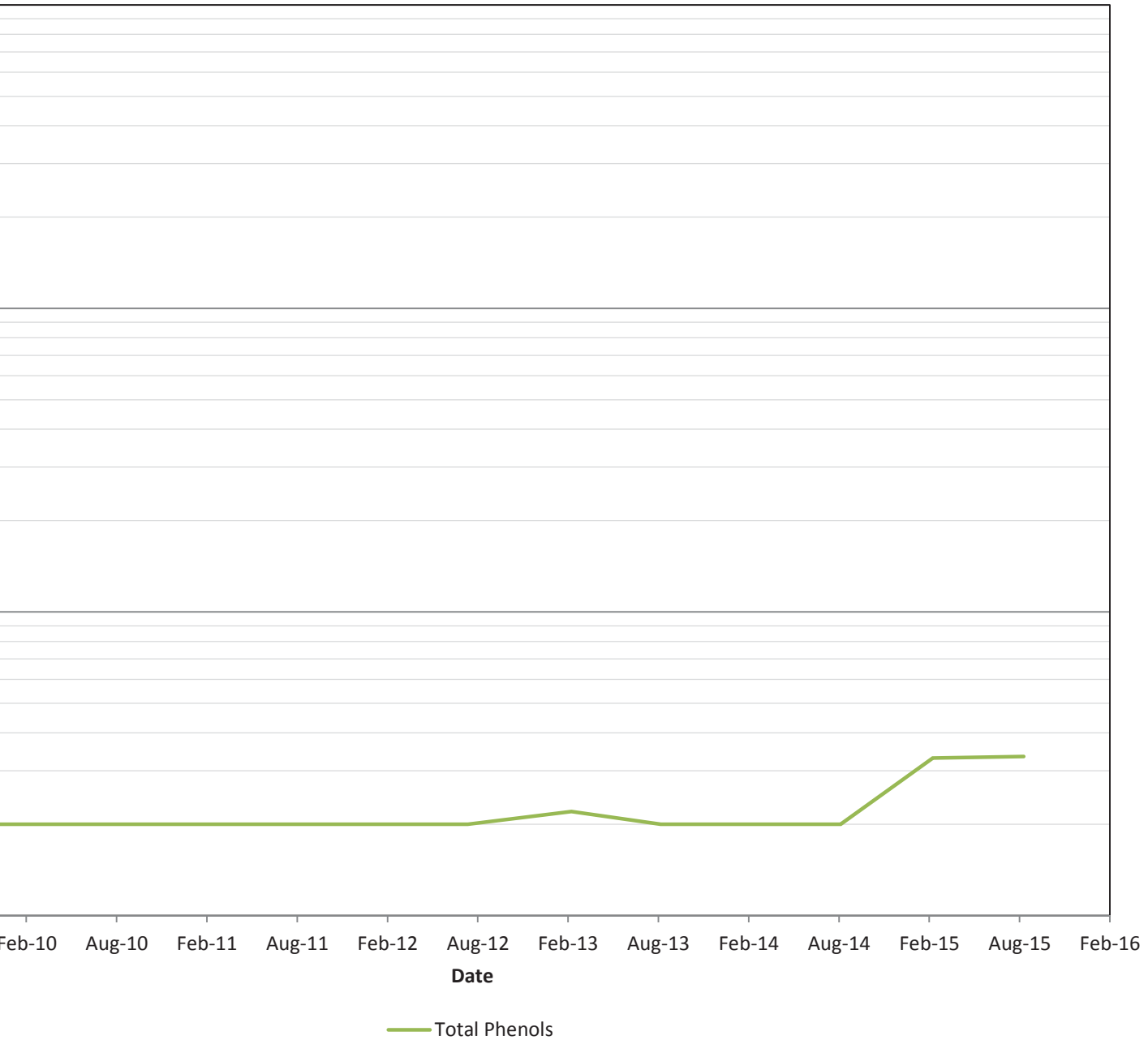
MW-2: TDS CONCENTRATIONS OVER TIME



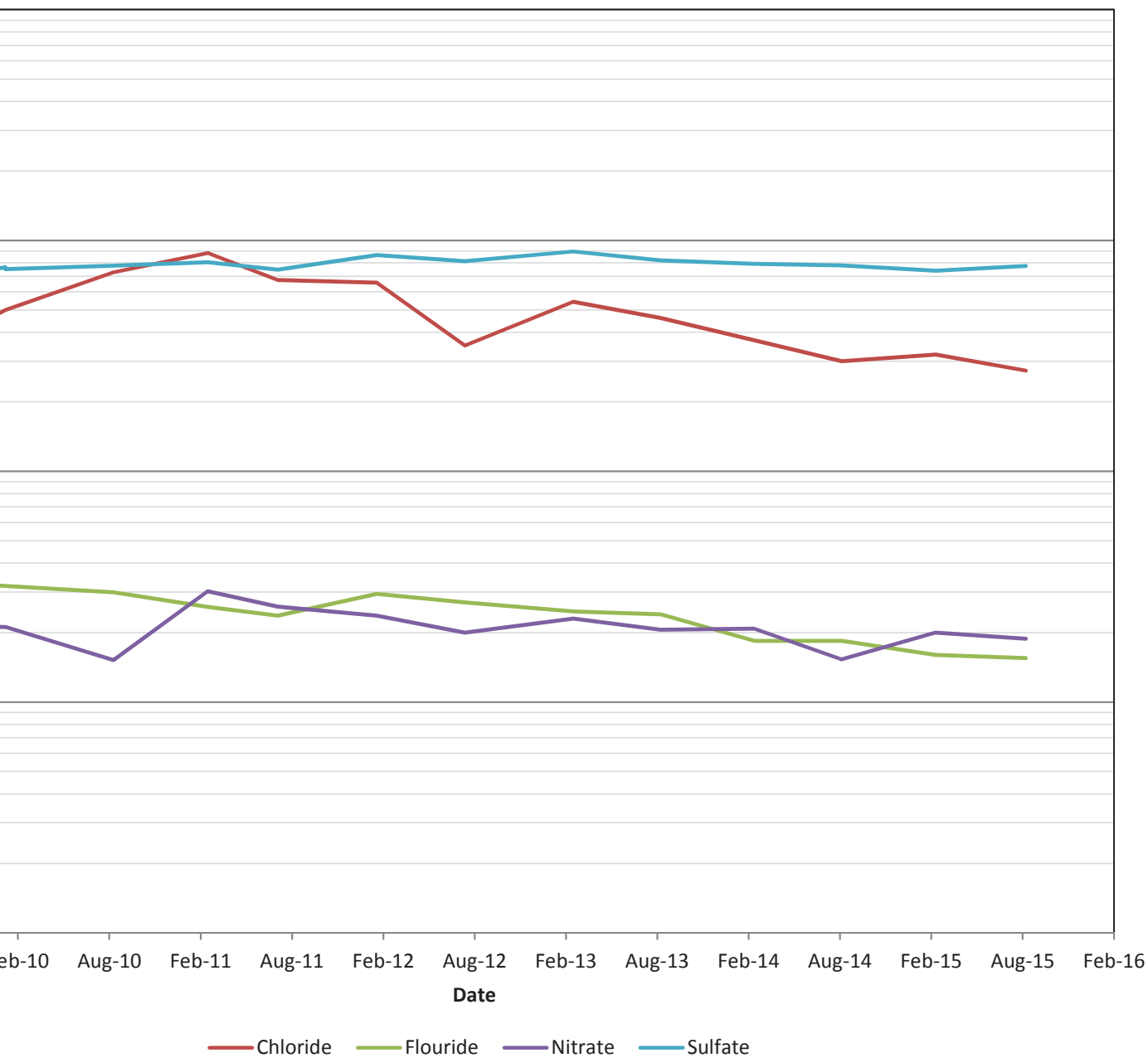
MW-2: METAL CONCENTRATIONS OVER TIME



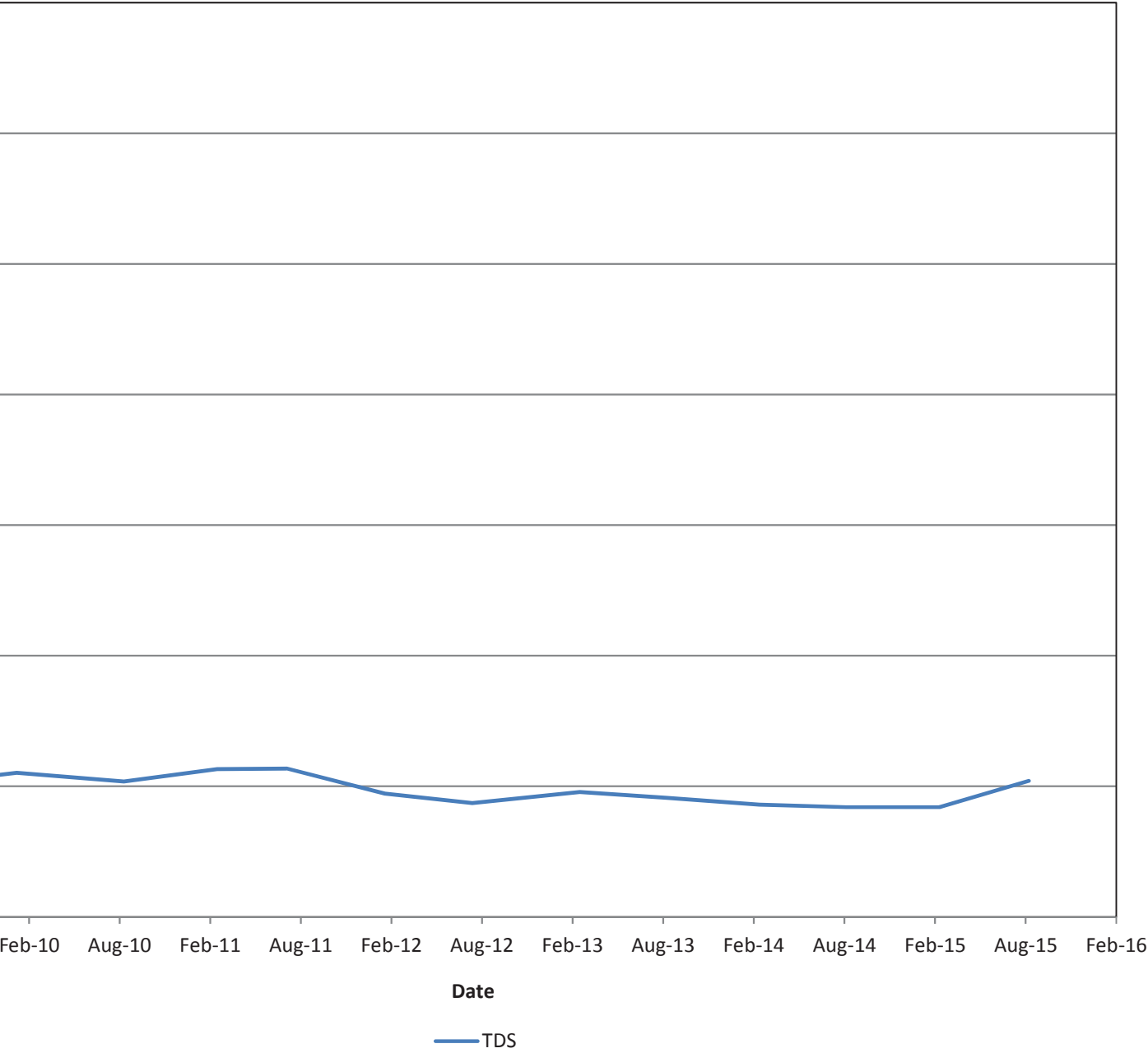
MW-2: SVOC CONCENTRATIONS OVER TIME



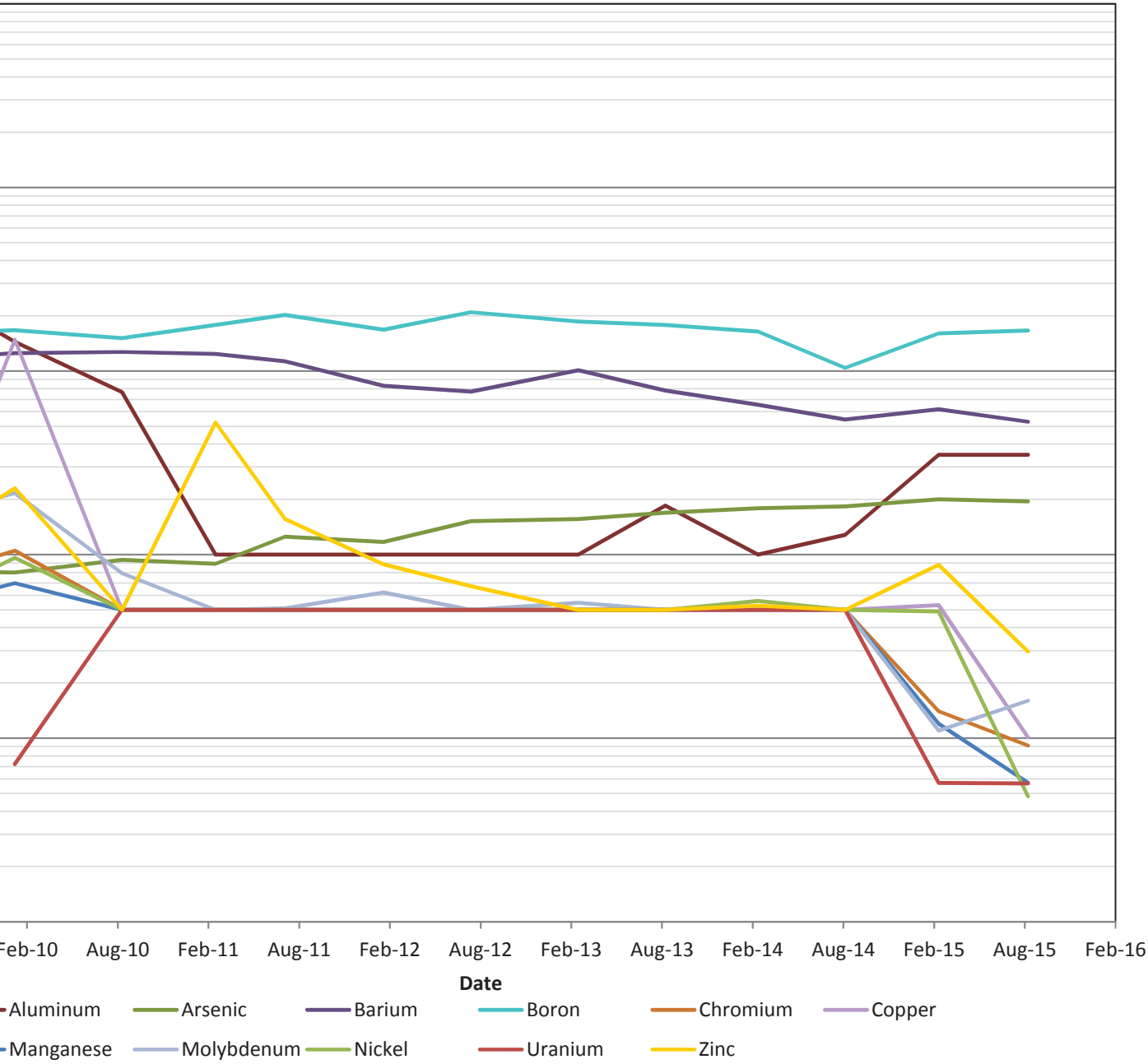
MW-3: ANION CONCENTRATIONS OVER TIME



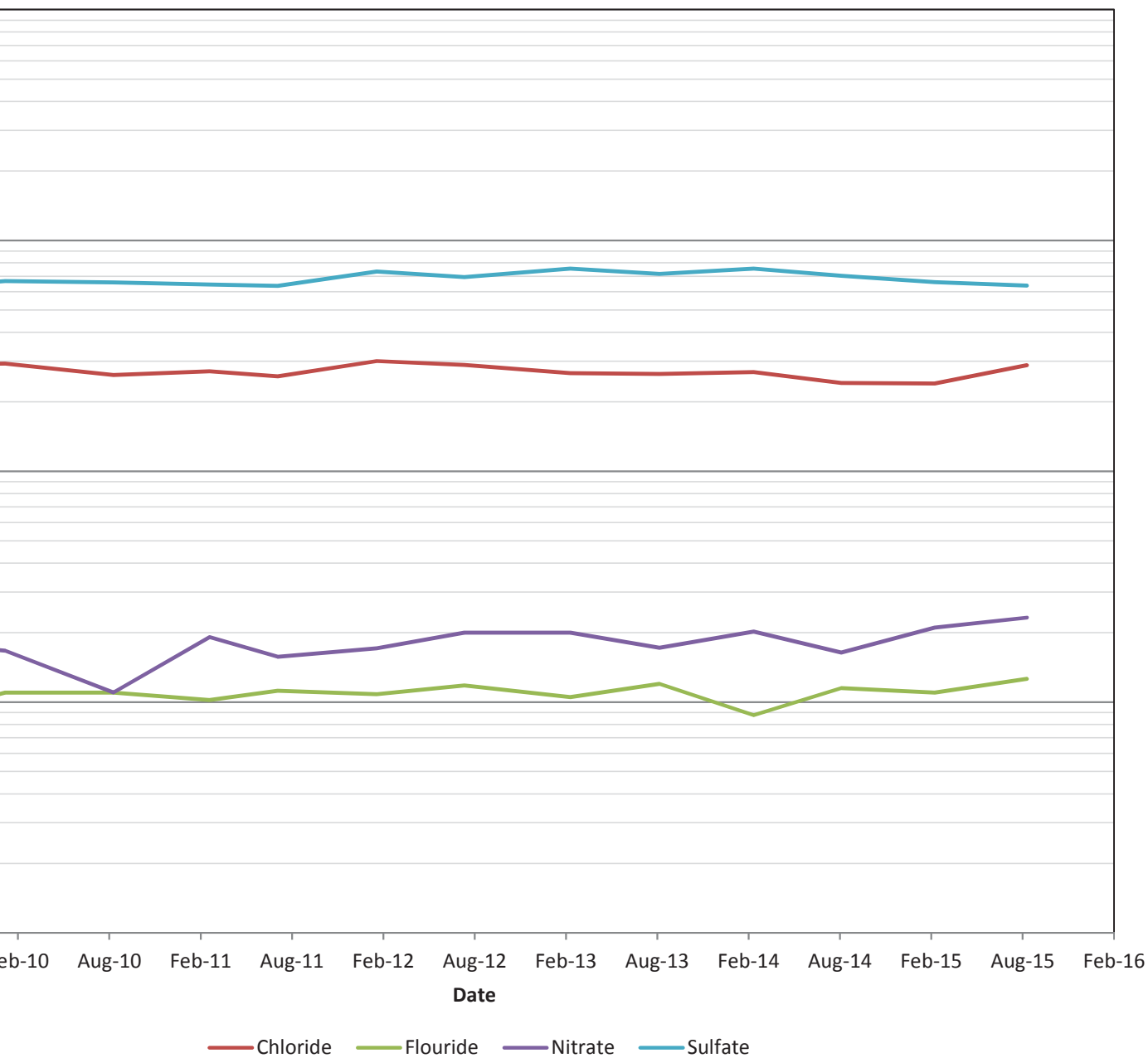
MW-3: TDS CONCENTRATIONS OVER TIME



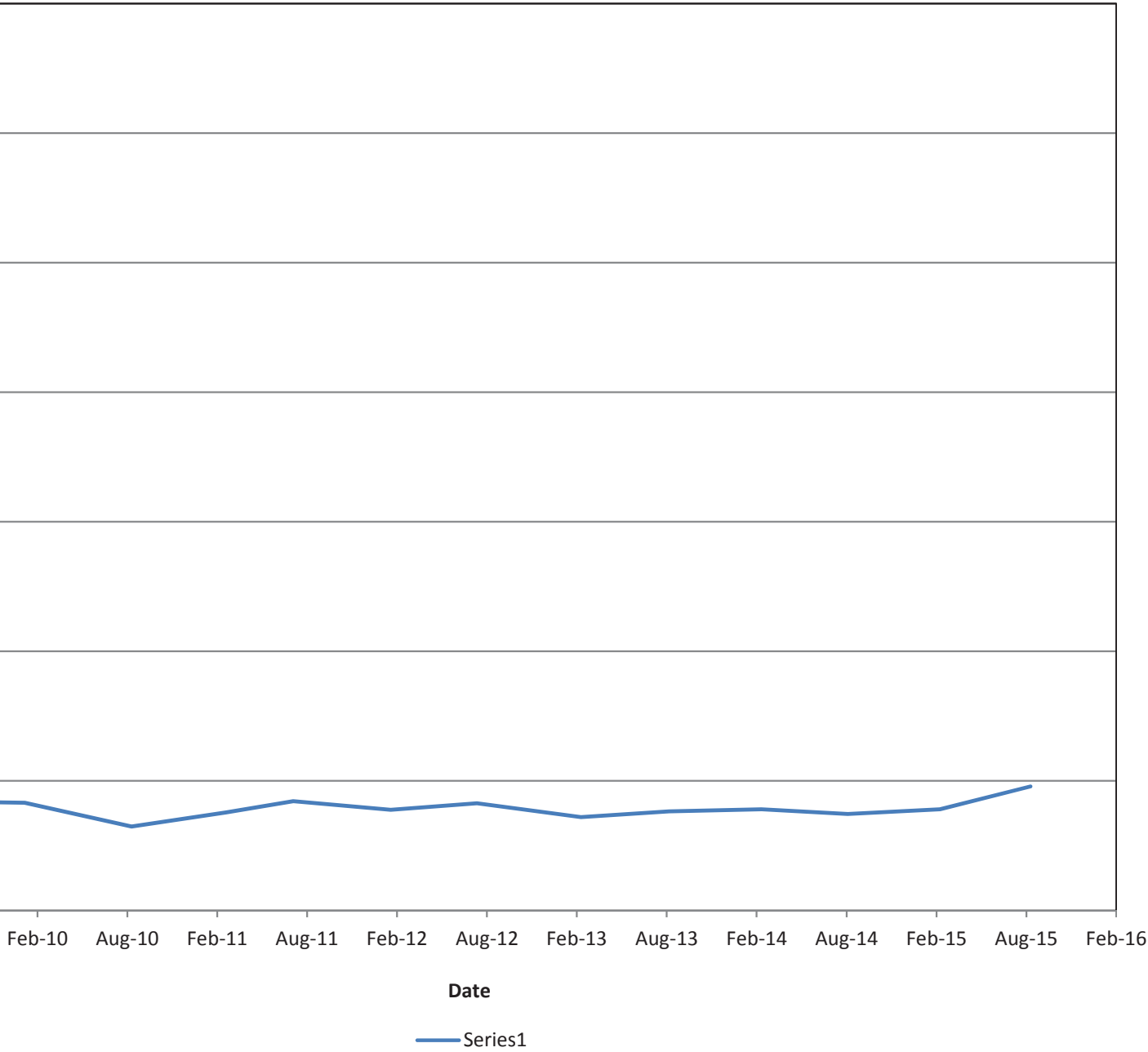
MW-3: METAL CONCENTRATIONS OVER TIME



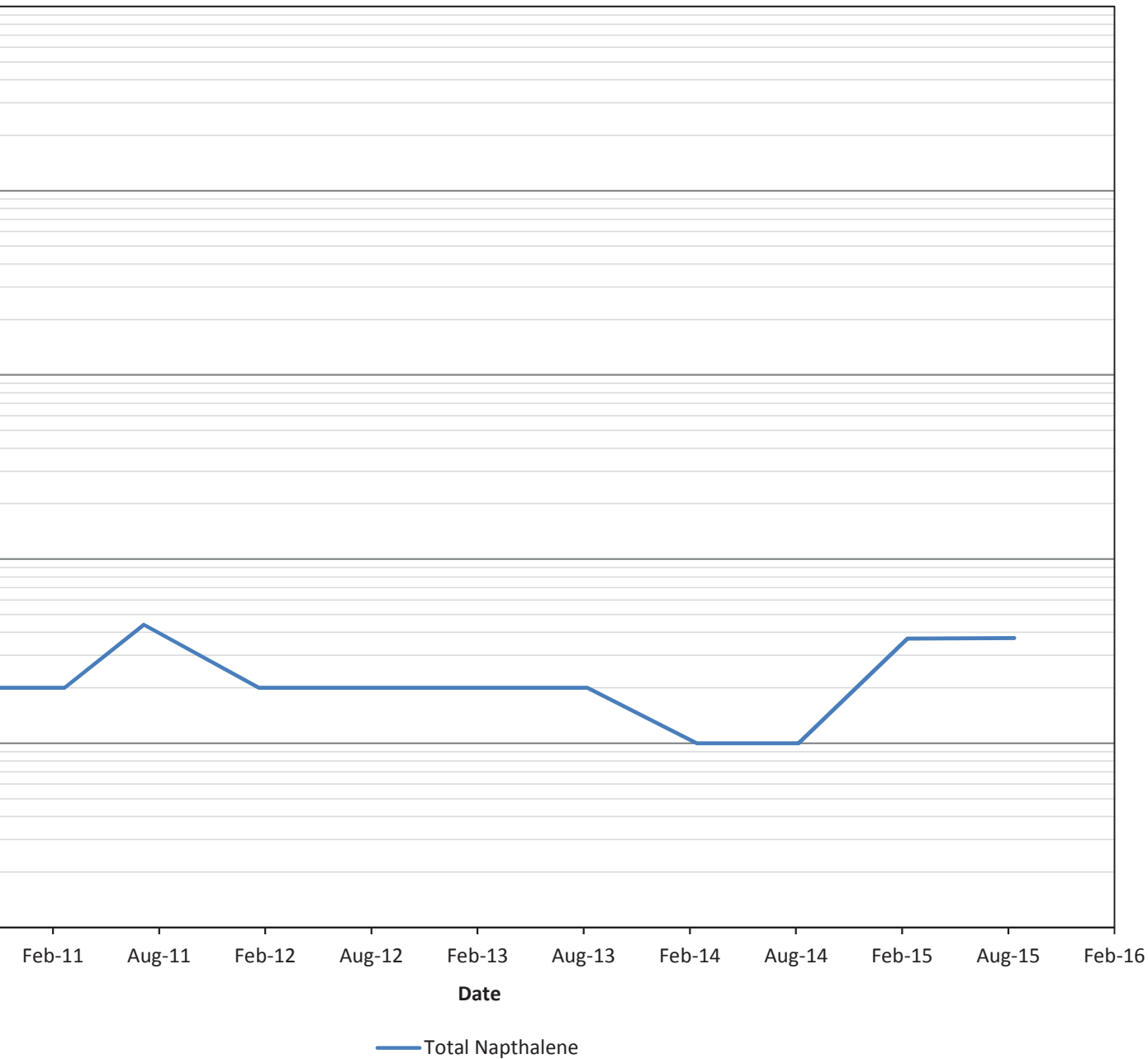
MW-4: ANION CONCENTRATIONS OVER TIME



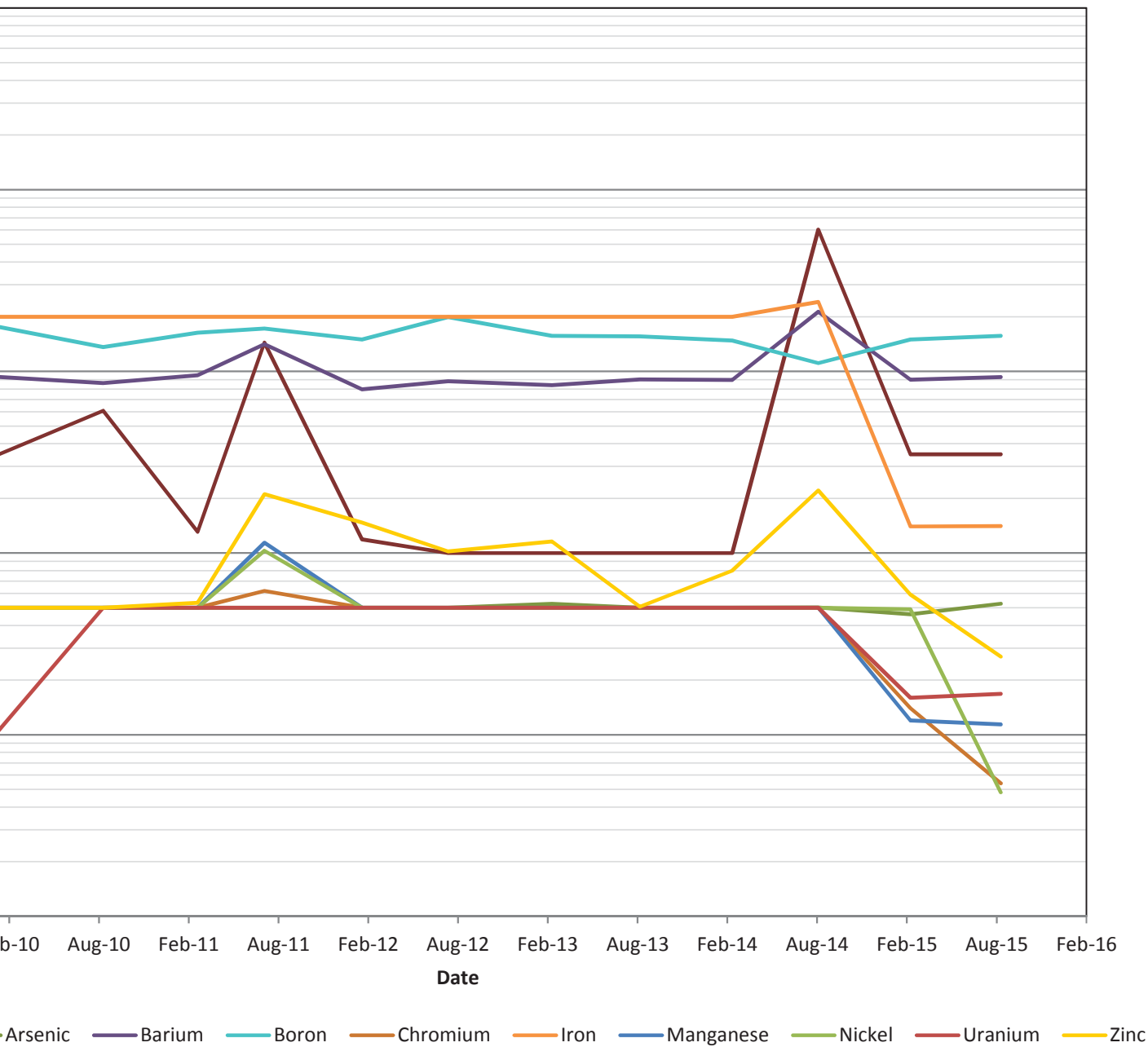
MW-4: TDS CONCENTRATIONS OVER TIME



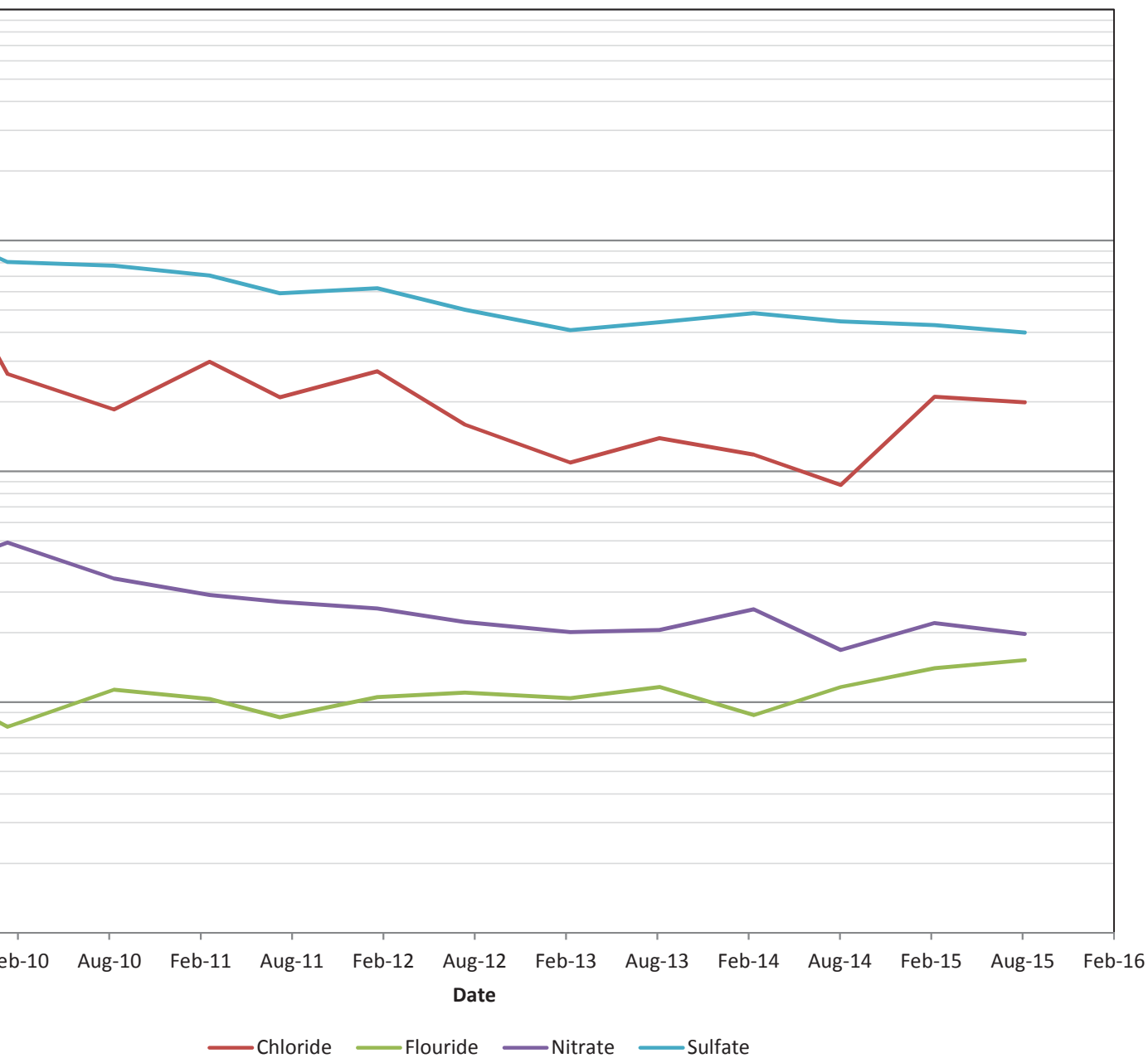
MW-4: SVOC CONCENTRATIONS OVER TIME



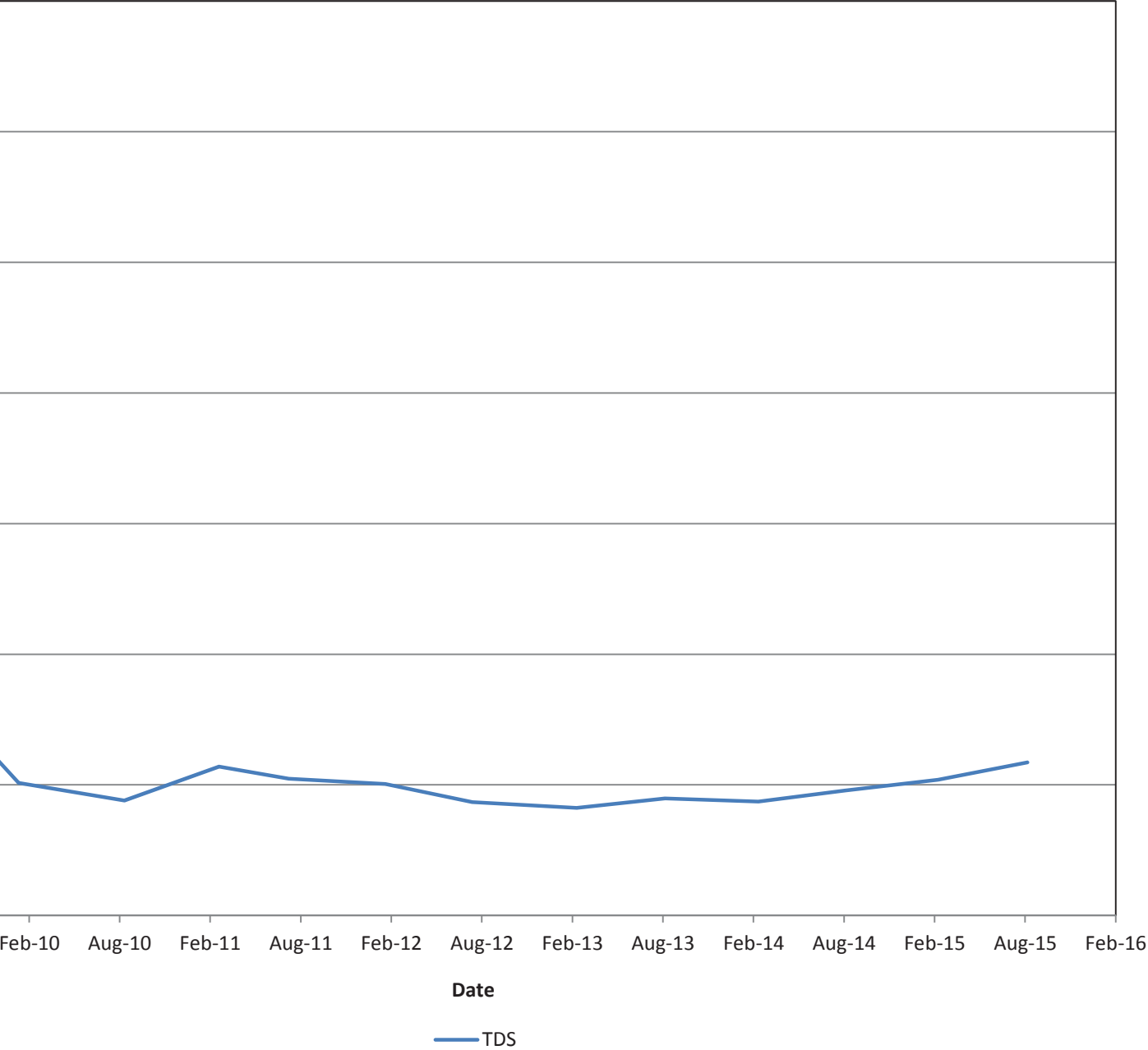
MW-4: METAL CONCENTRATIONS OVER TIME



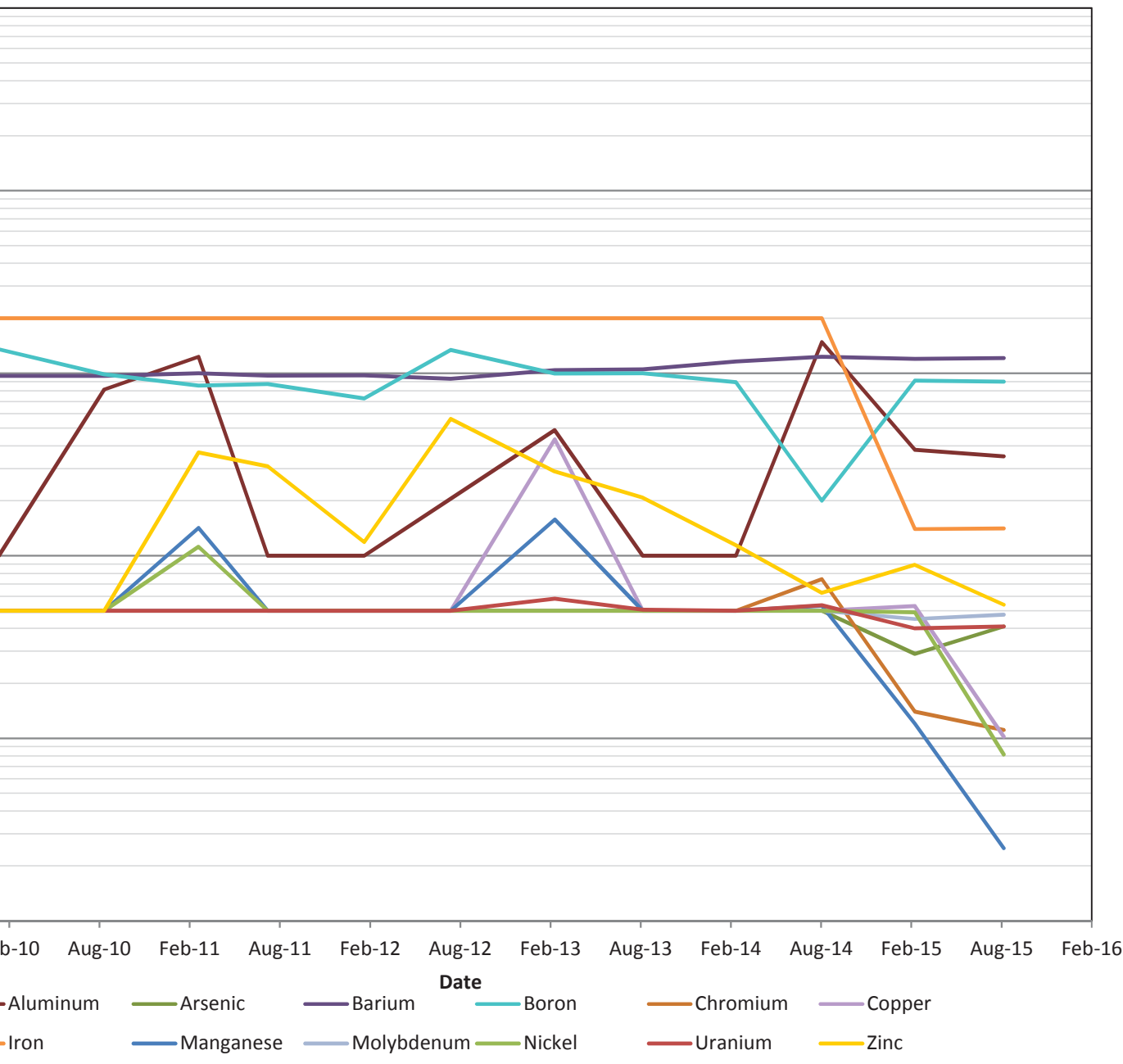
MW-5: ANION CONCENTRATIONS OVER TIME



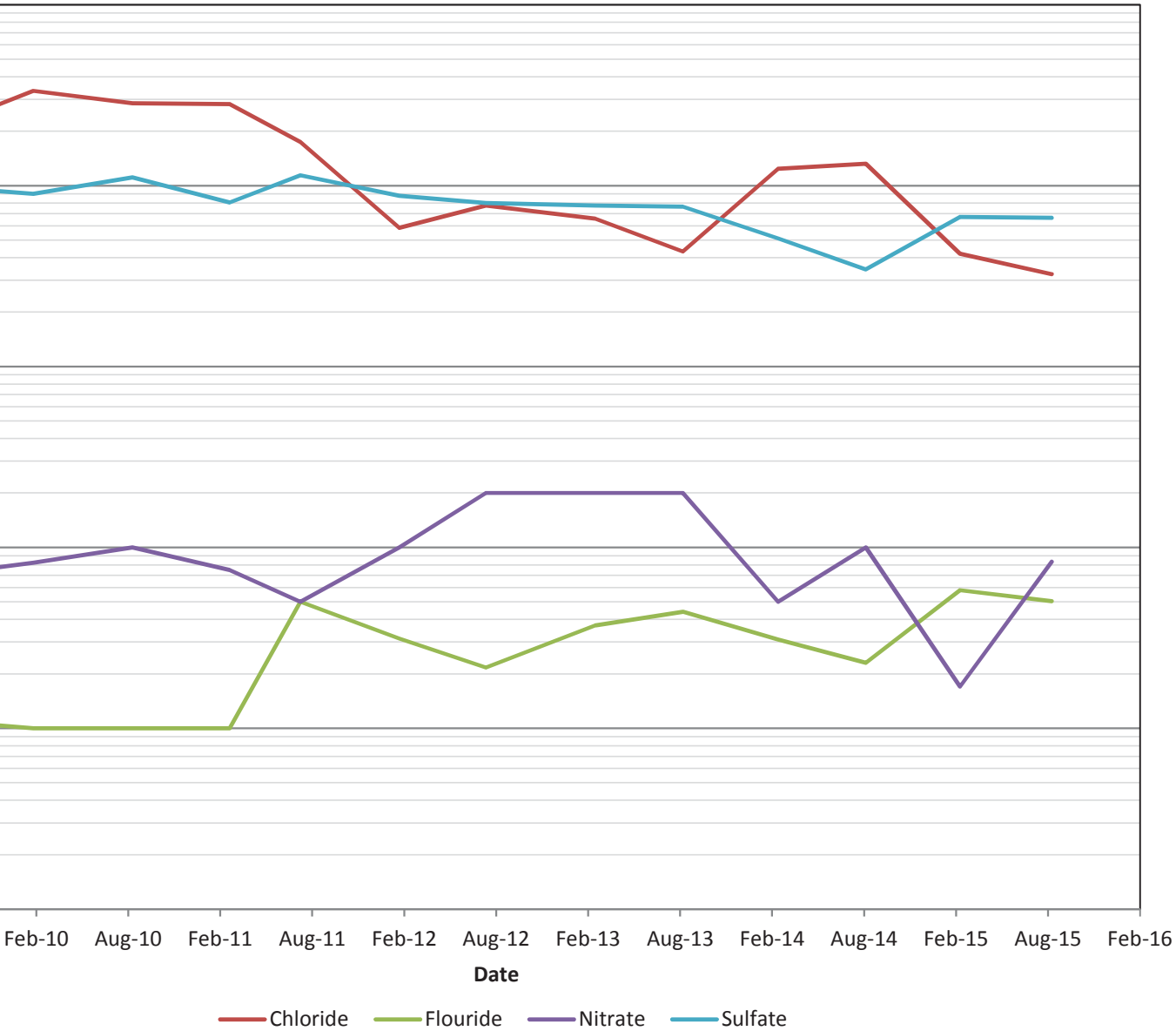
MW-5: TDS CONCENTRATIONS OVER TIME



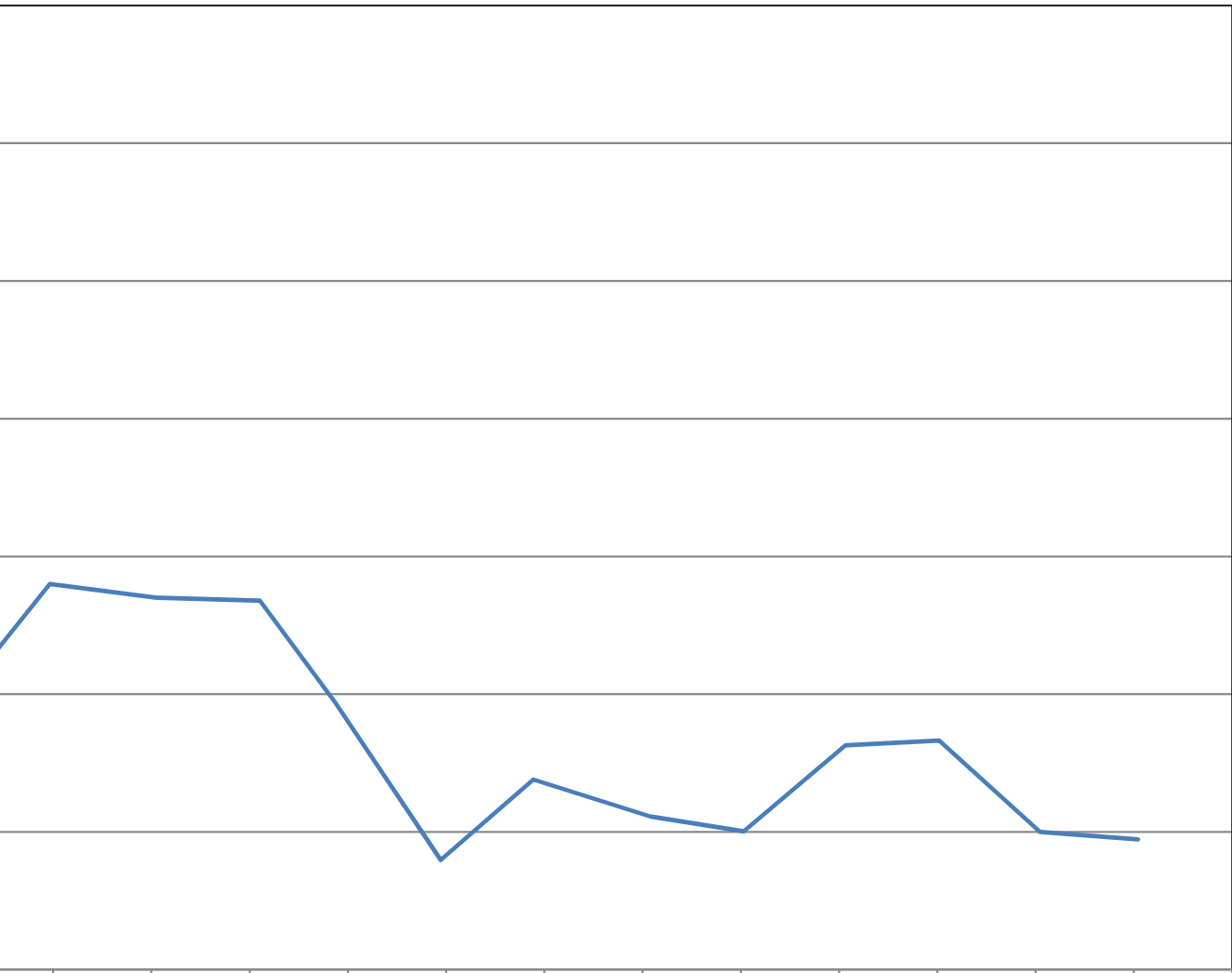
MW-5: METAL CONCENTRATIONS OVER TIME



MW-6: ANION CONCENTRATIONS OVER TIME



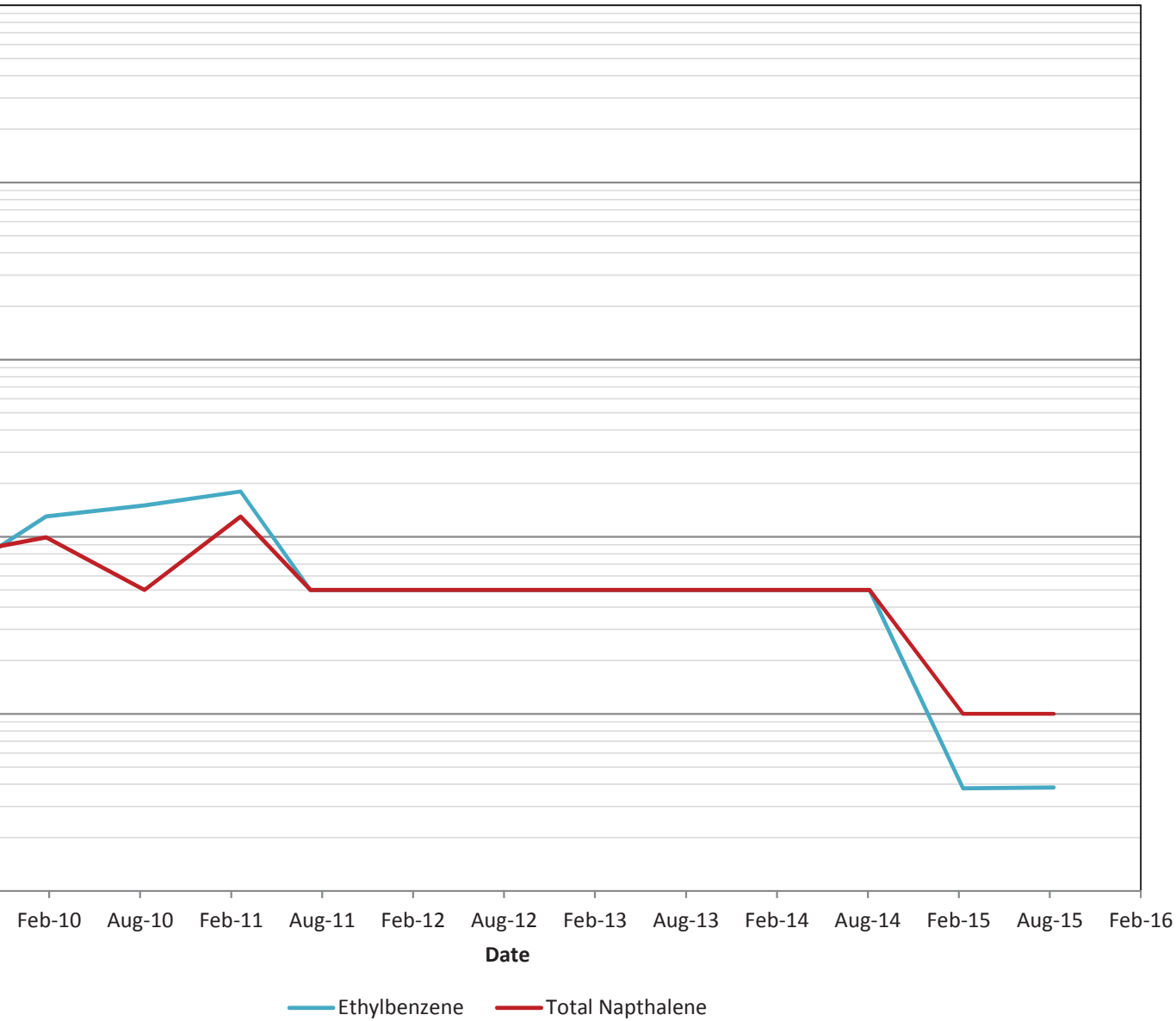
MW-6: TDS CONCENTRATIONS OVER TIME



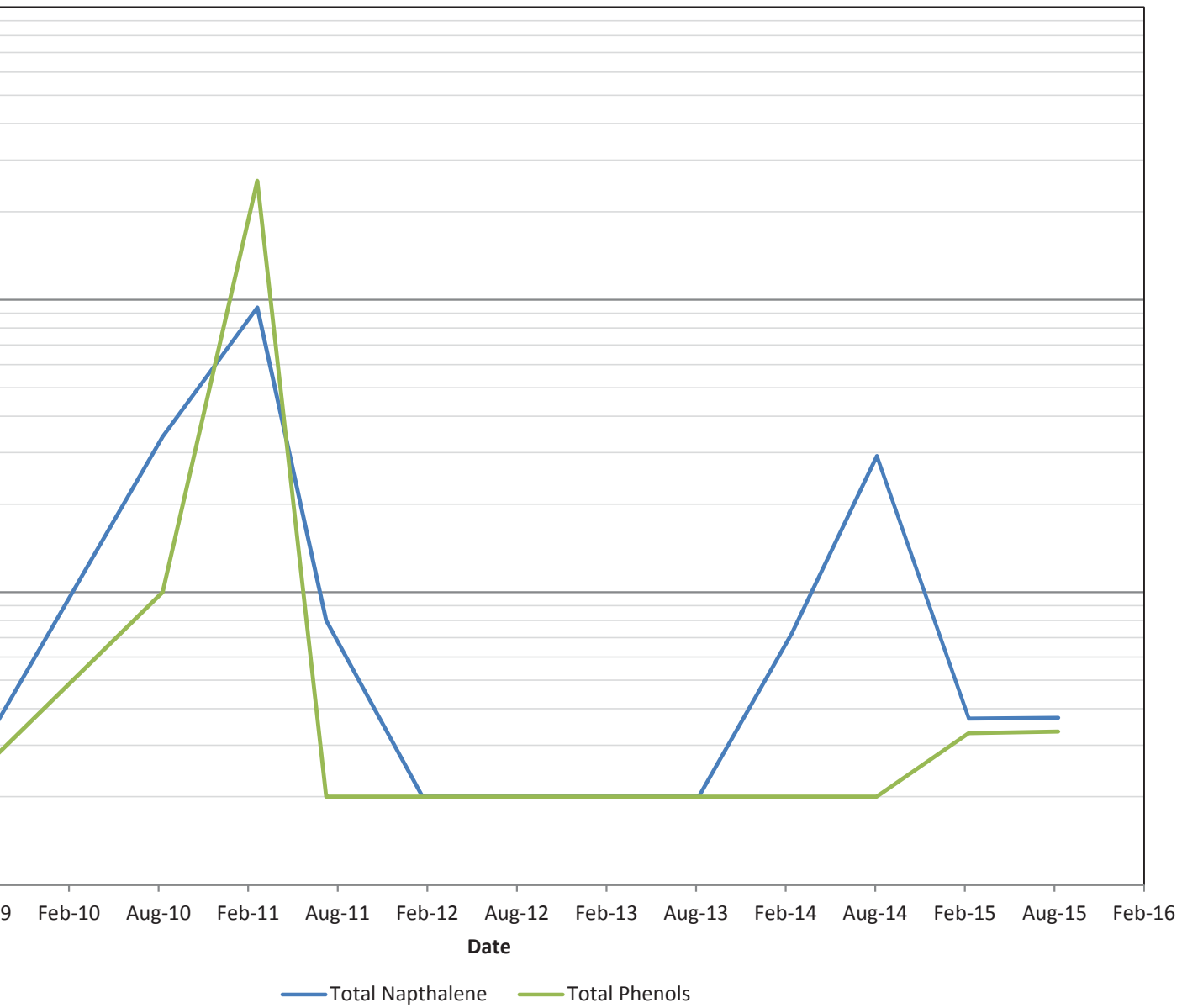
Date

TDS

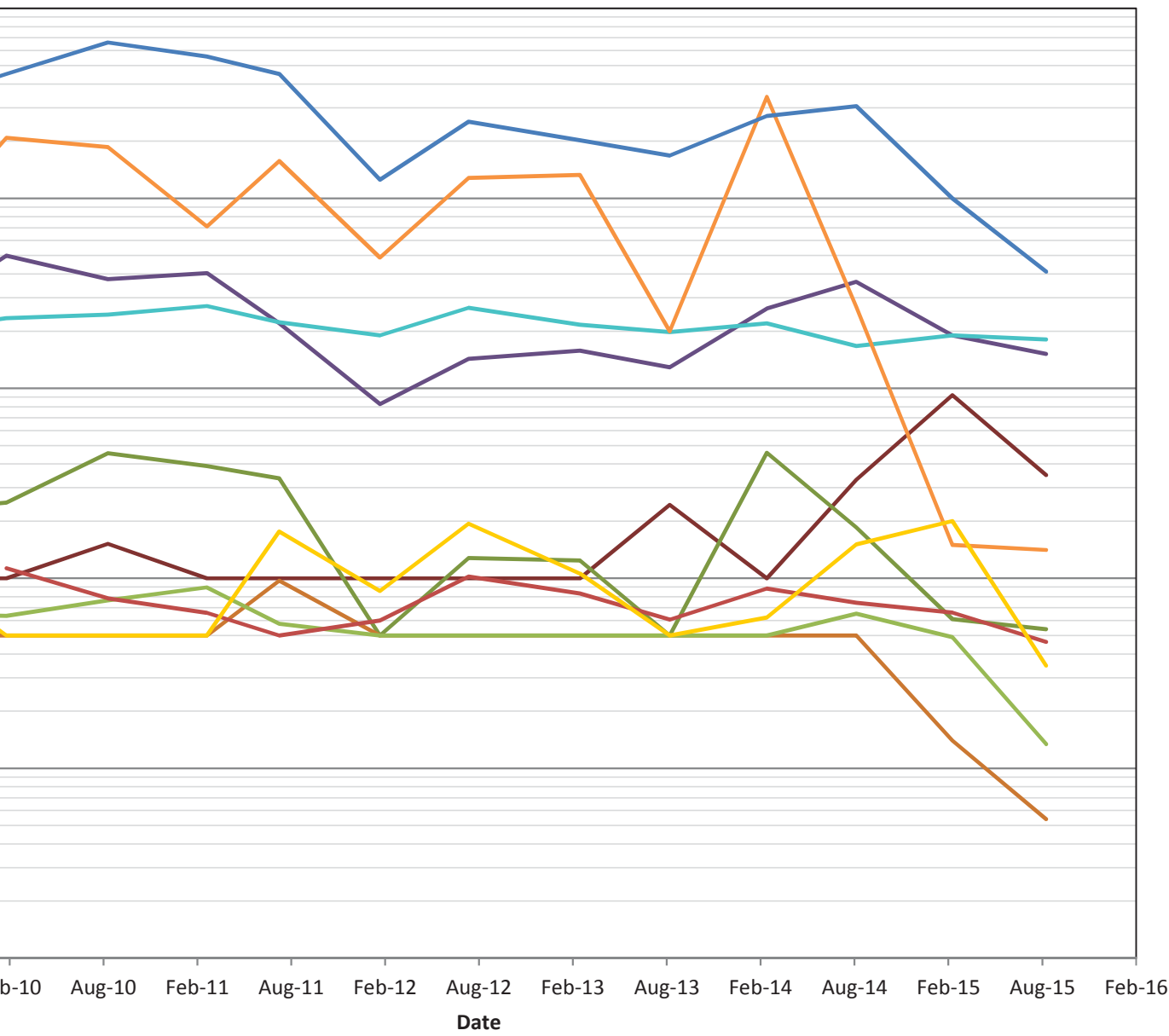
MW-6: VOC CONCENTRATIONS OVER TIME



MW-6: SVOC CONCENTRATIONS OVER TIME

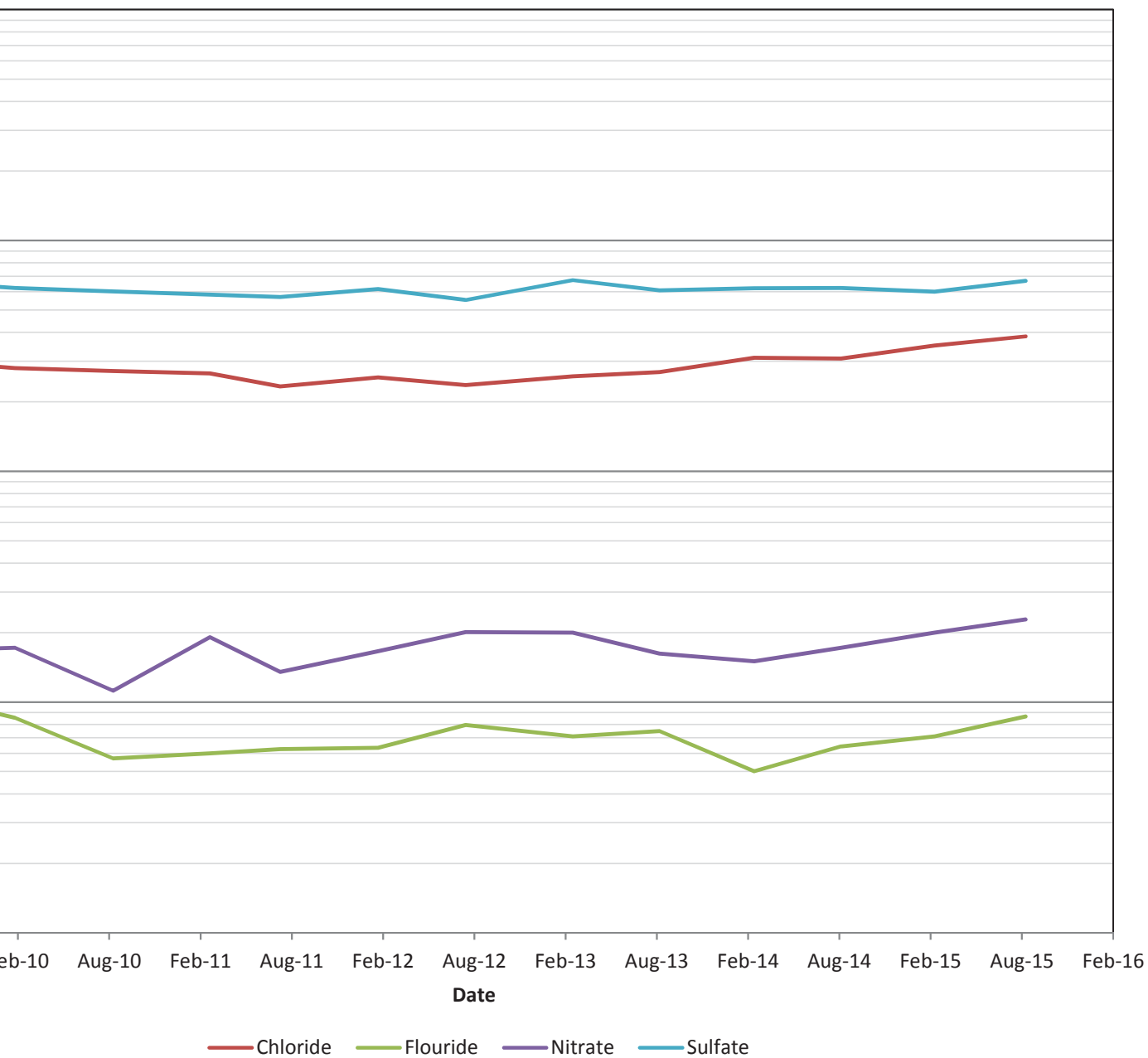


MW-6: METAL CONCENTRATIONS OVER TIME

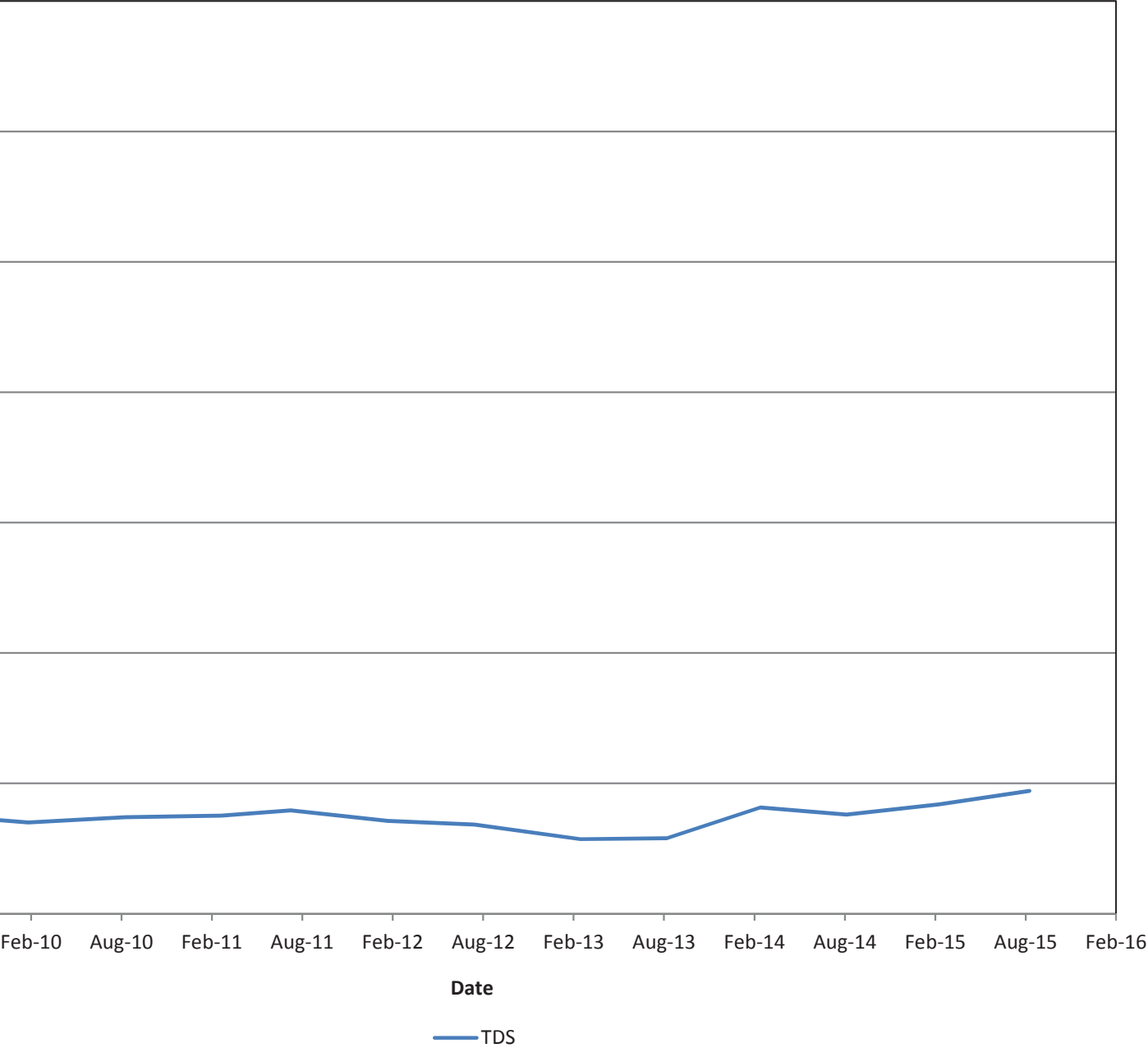


Arsenic Barium Boron Chromium Iron Manganese Nickel Uranium Zinc

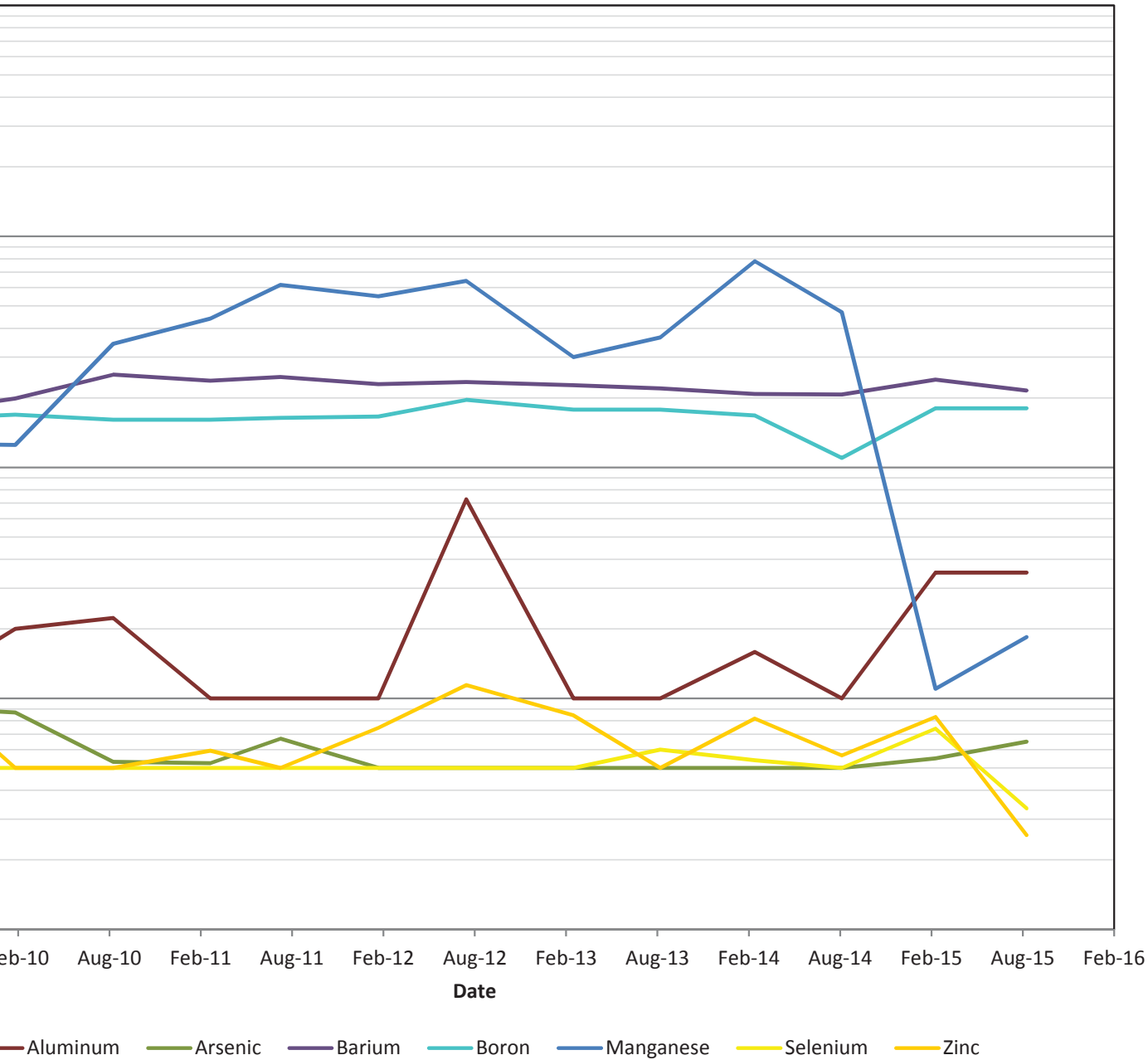
MW-7: ANION CONCENTRATIONS OVER TIME



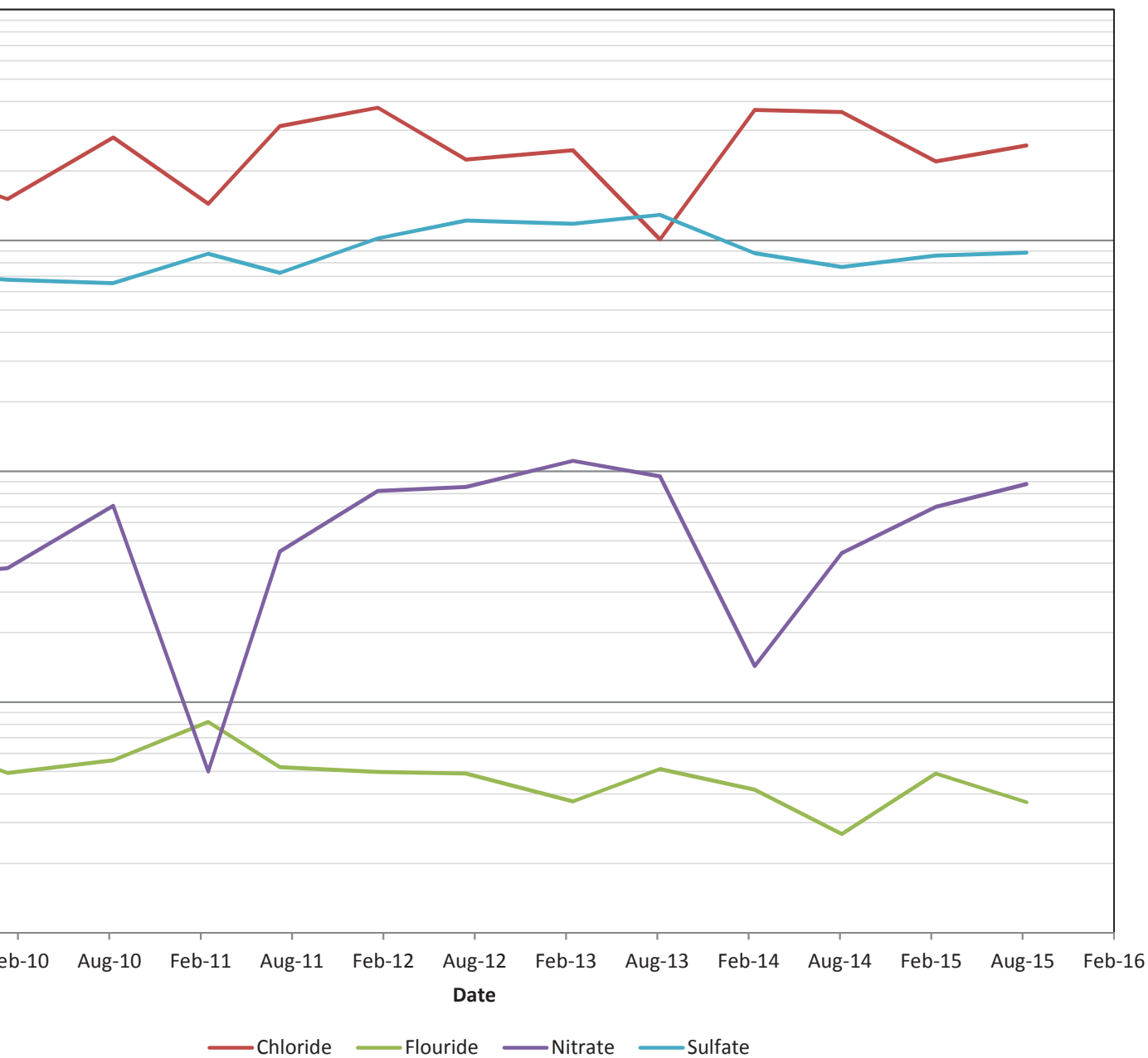
MW-7: TDS CONCENTRATIONS OVER TIME



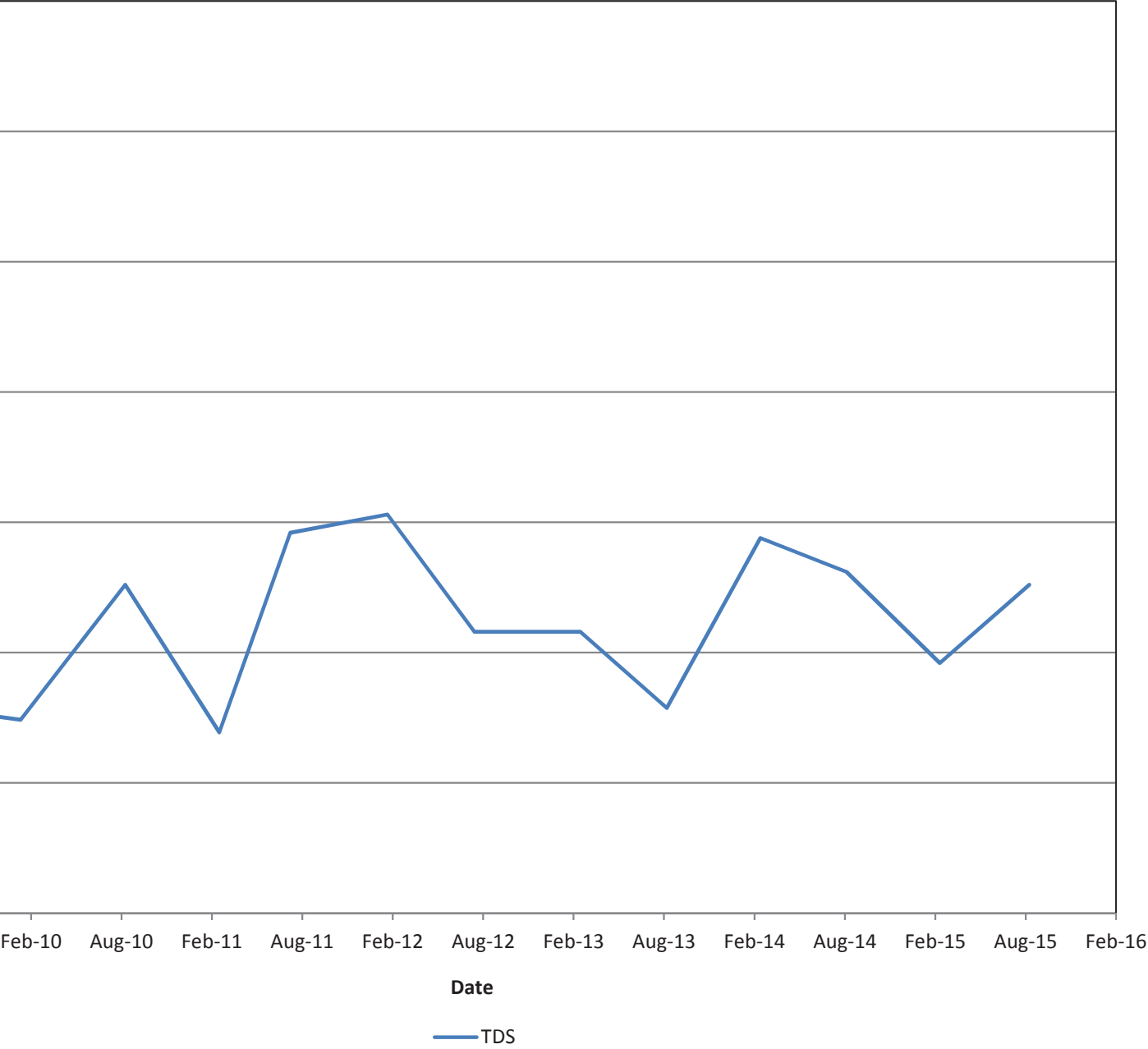
MW-7: METAL CONCENTRATIONS OVER TIME



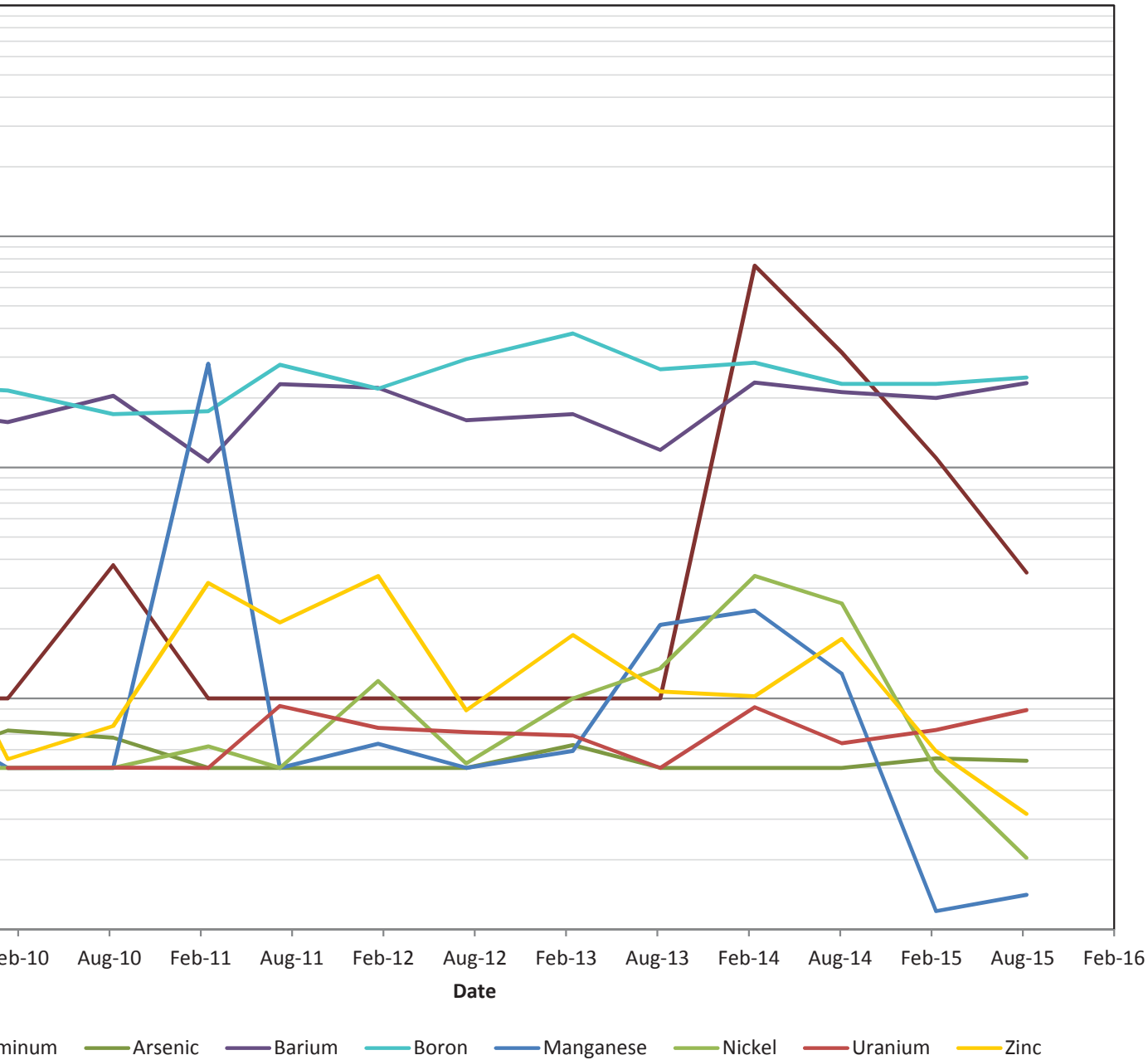
MW-8: ANION CONCENTRATIONS OVER TIME



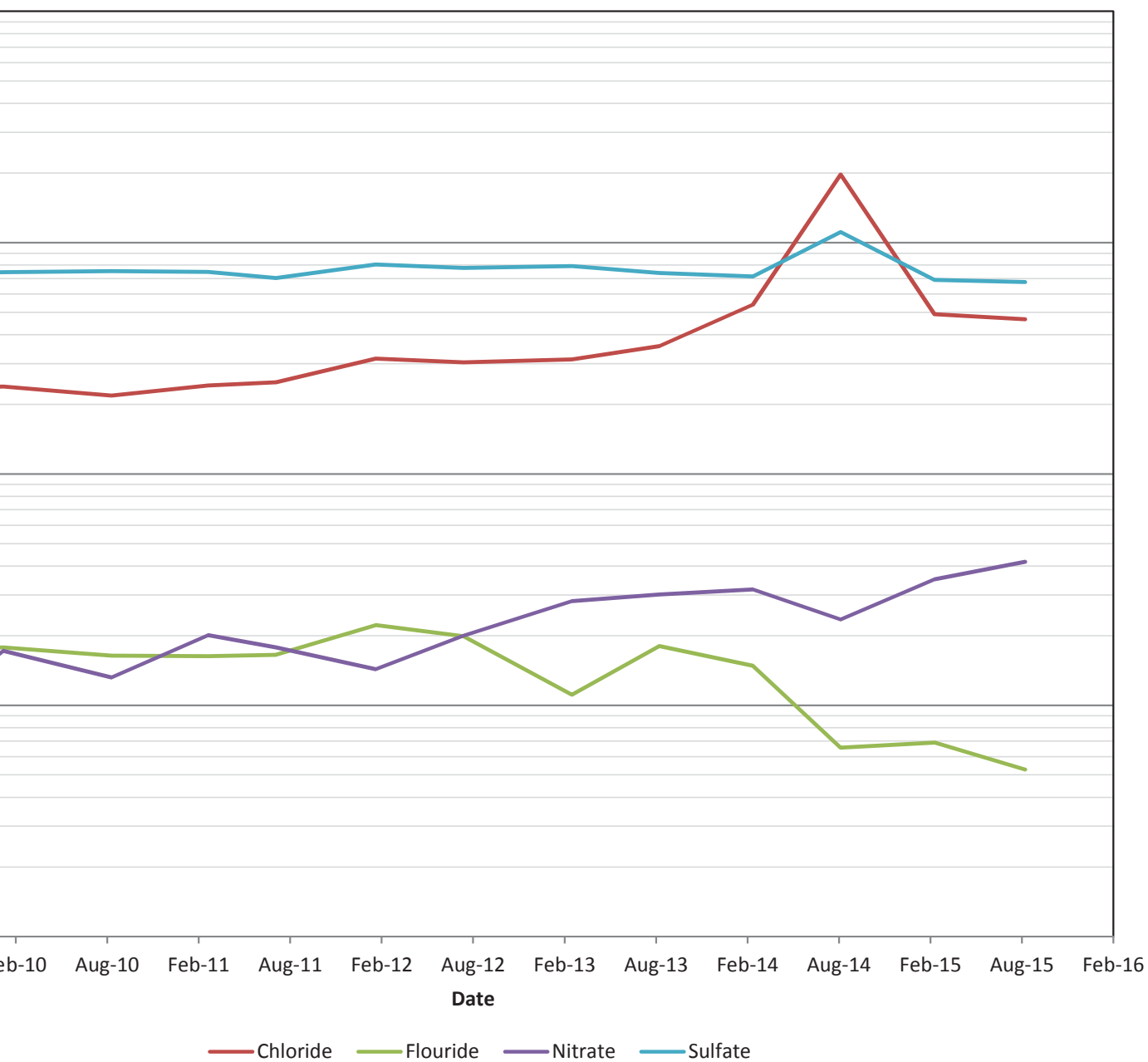
MW-8: TDS CONCENTRATIONS OVER TIME



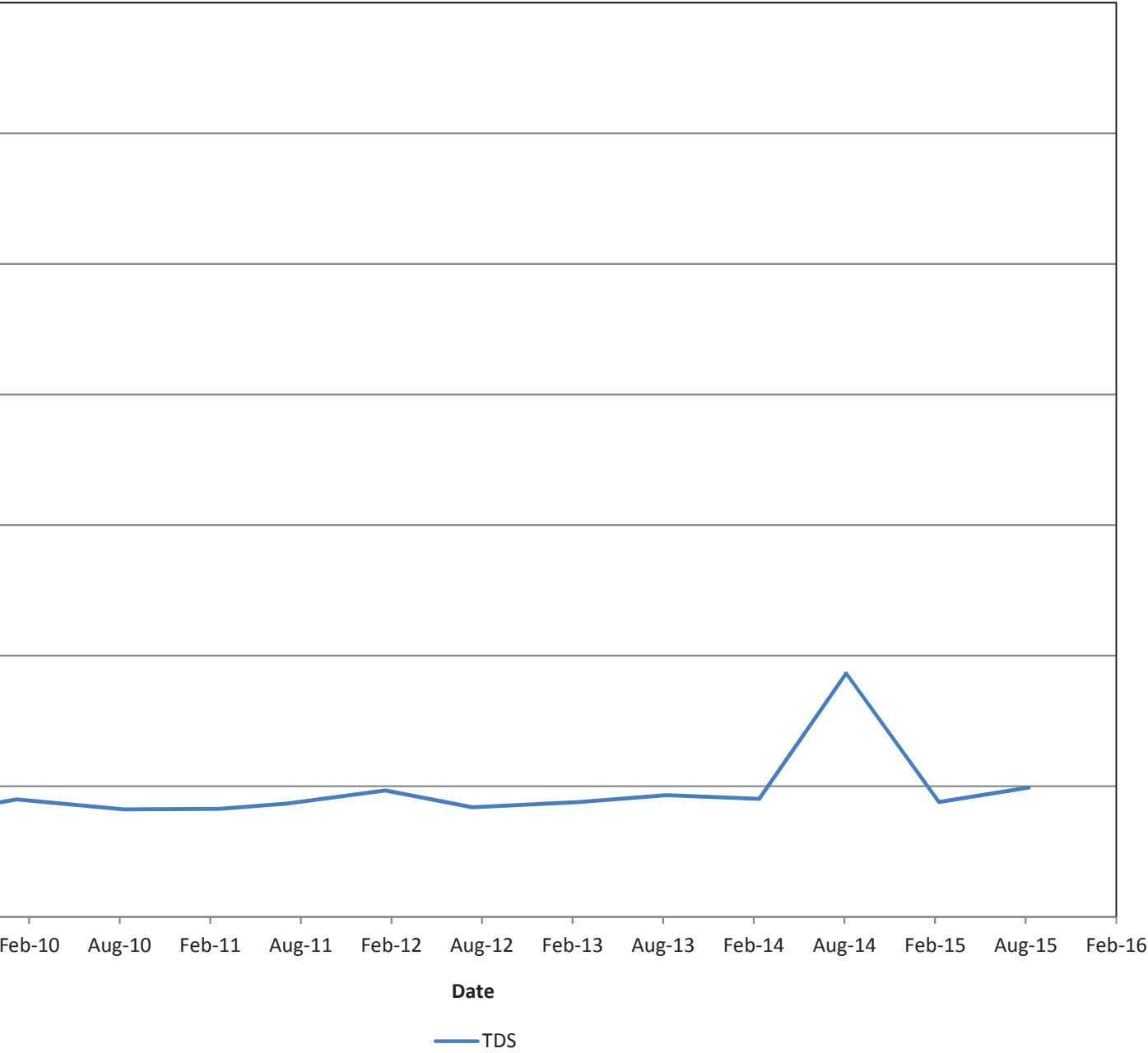
MW-8: METAL CONCENTRATIONS OVER TIME



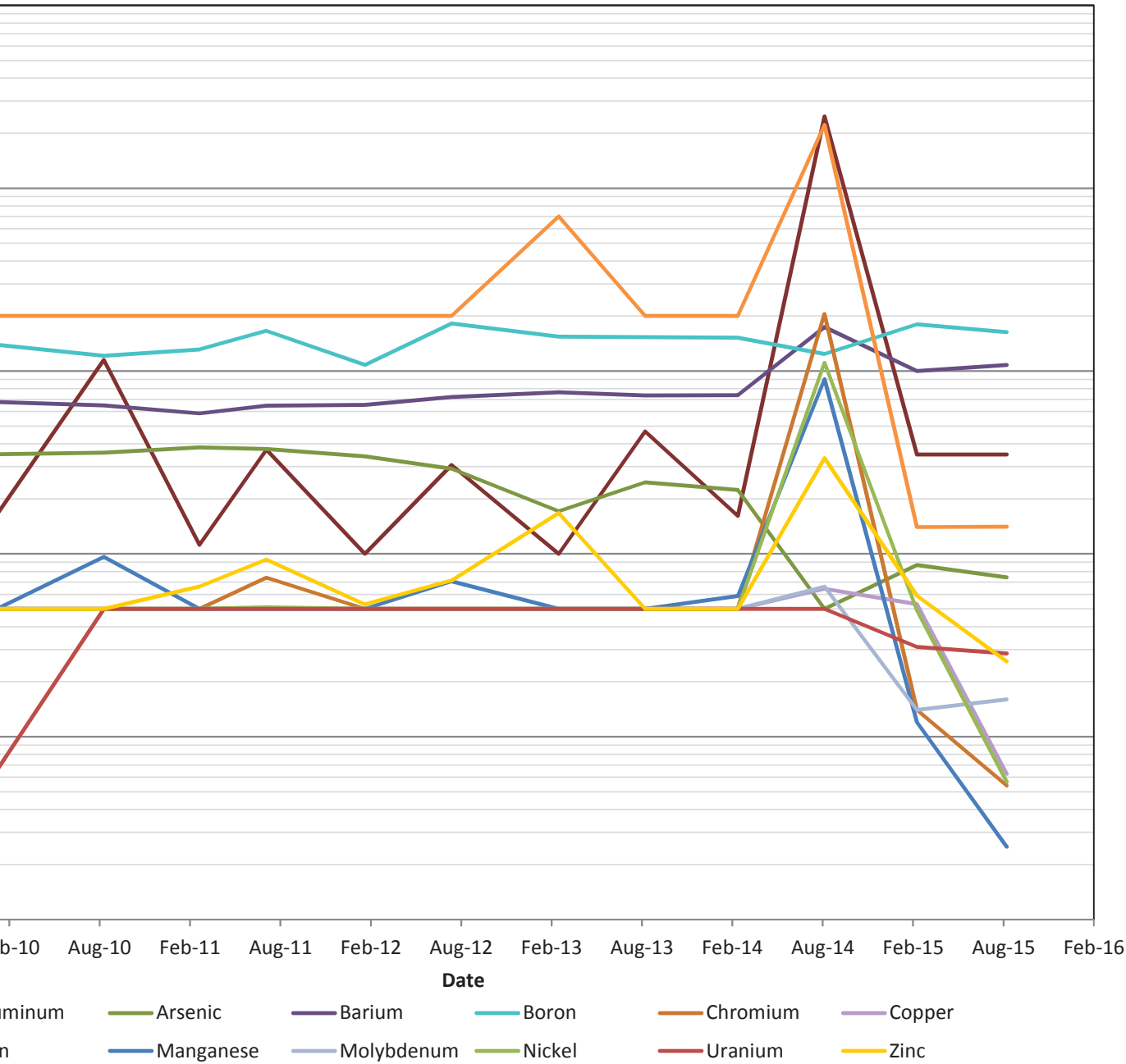
MW-9: ANION CONCENTRATIONS OVER TIME



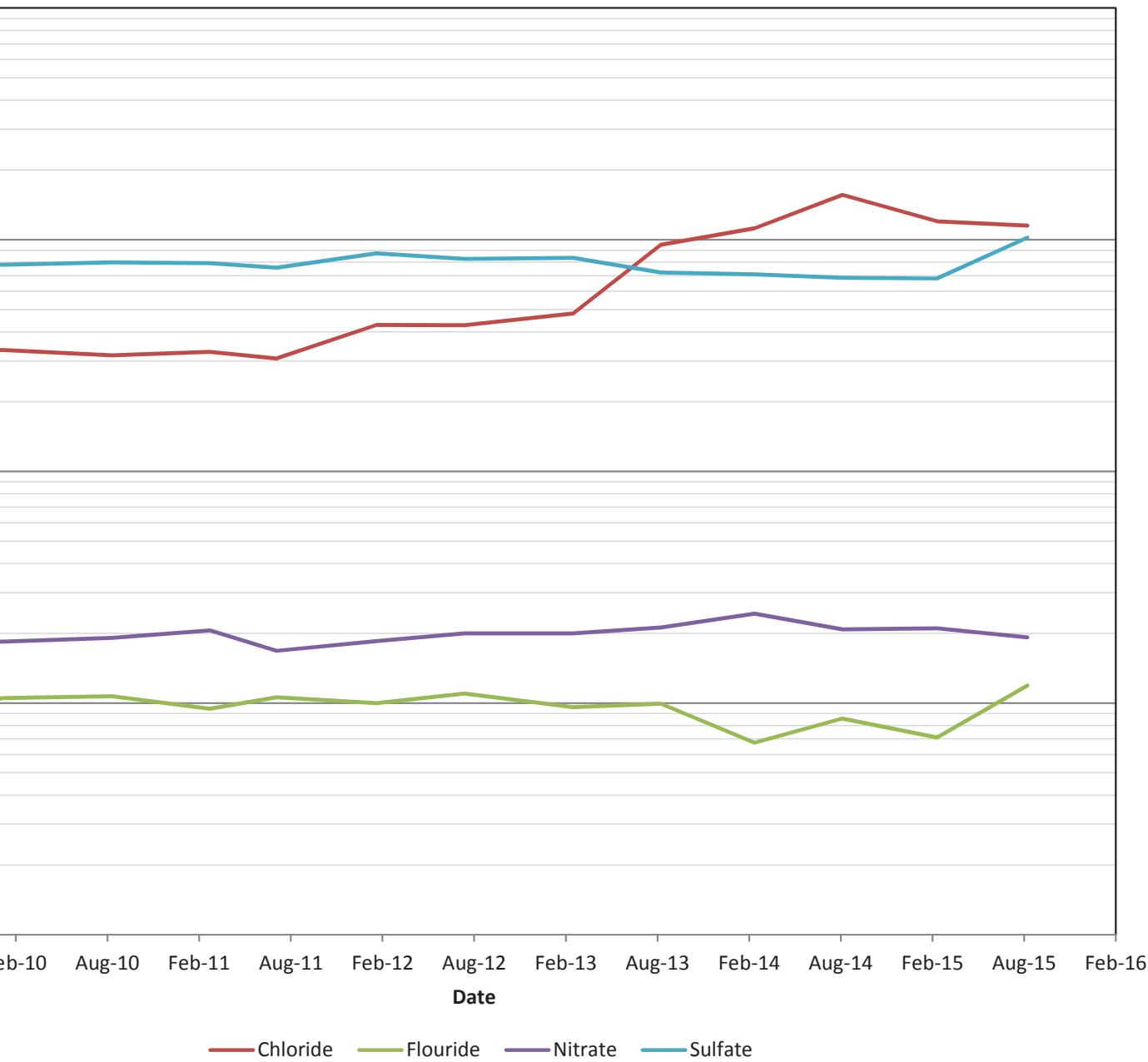
MW-9: TDS CONCENTRATIONS OVER TIME



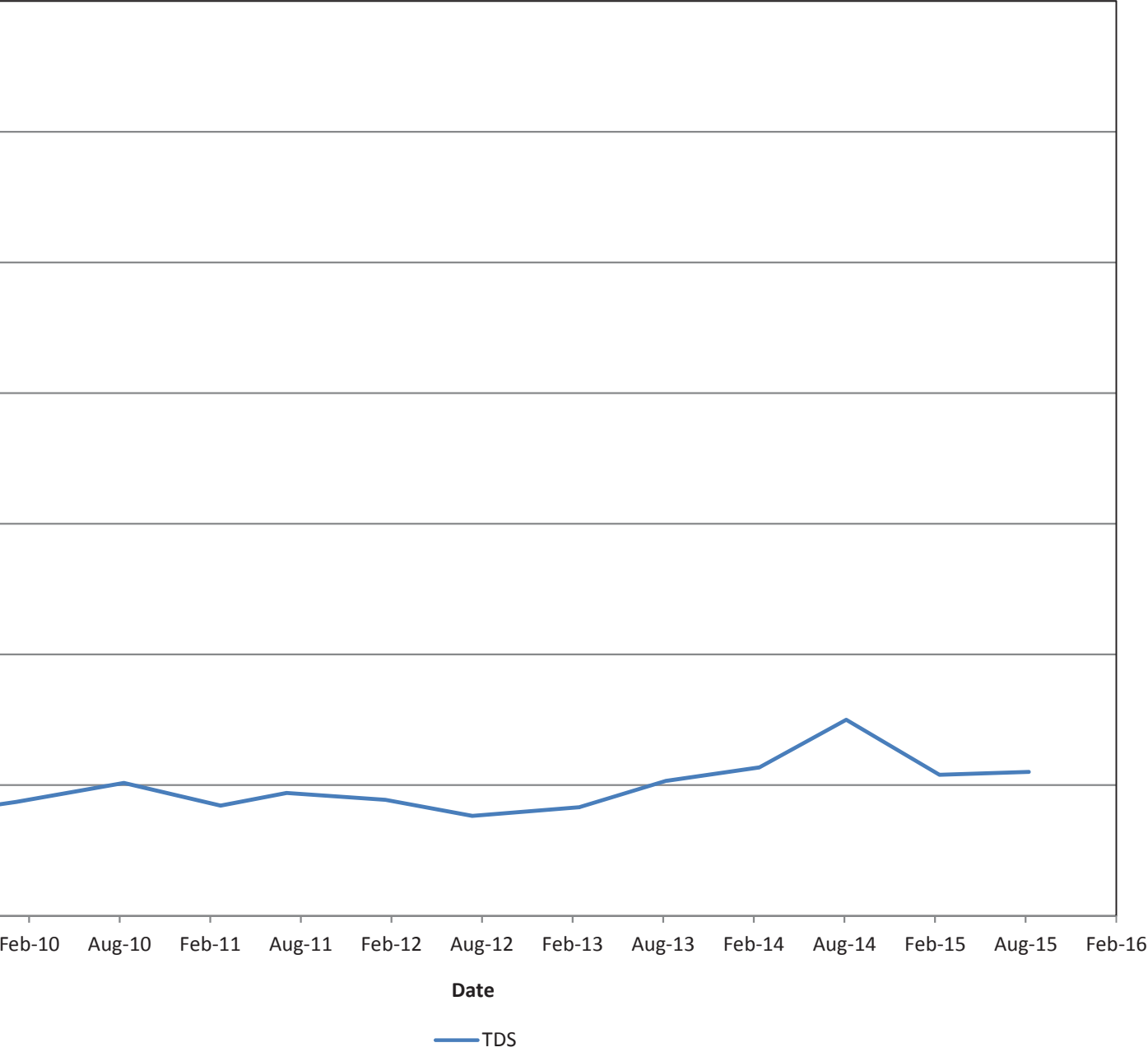
MW-9: METAL CONCENTRATIONS OVER TIME



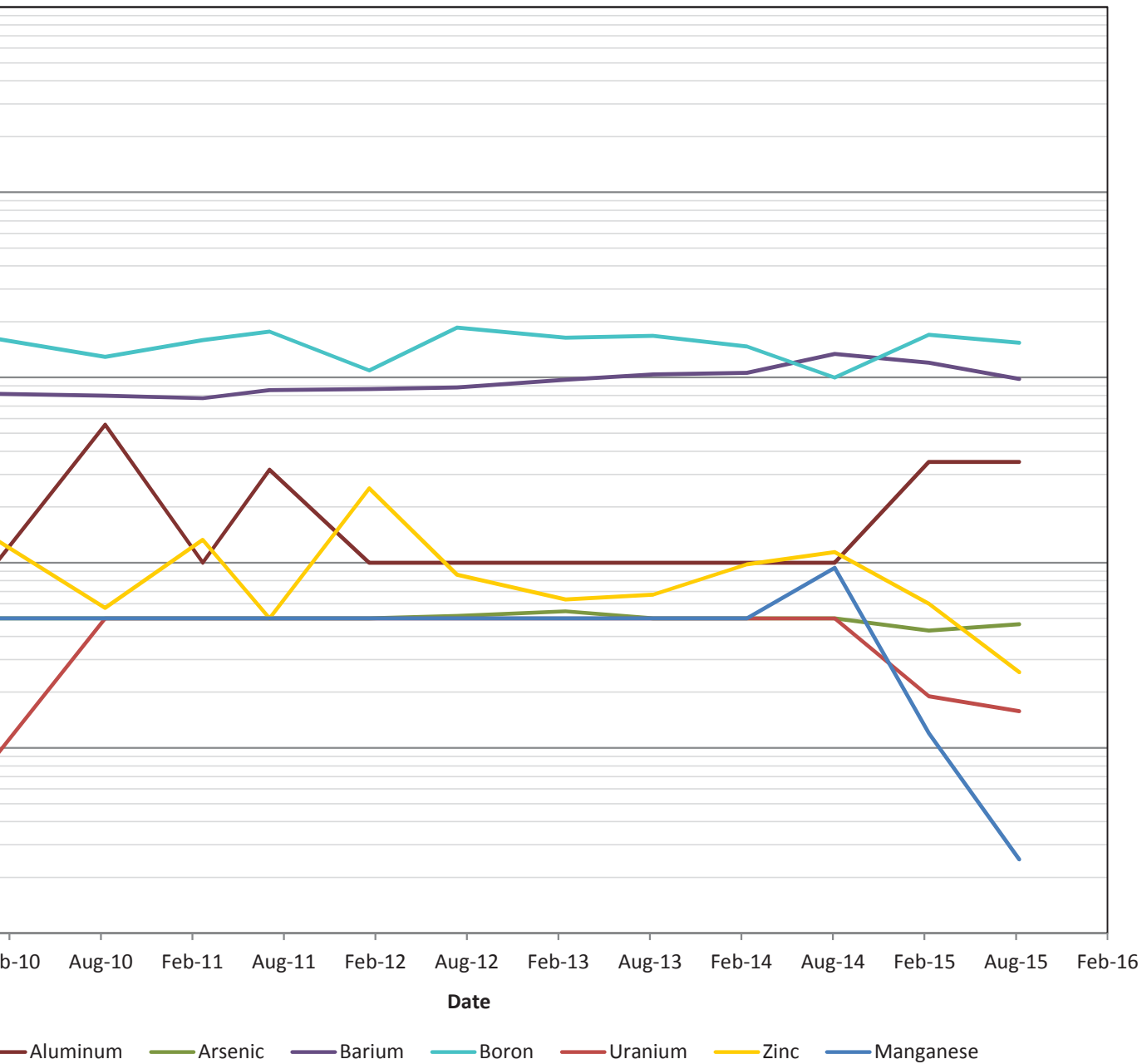
MW-10: ANION CONCENTRATIONS OVER TIME



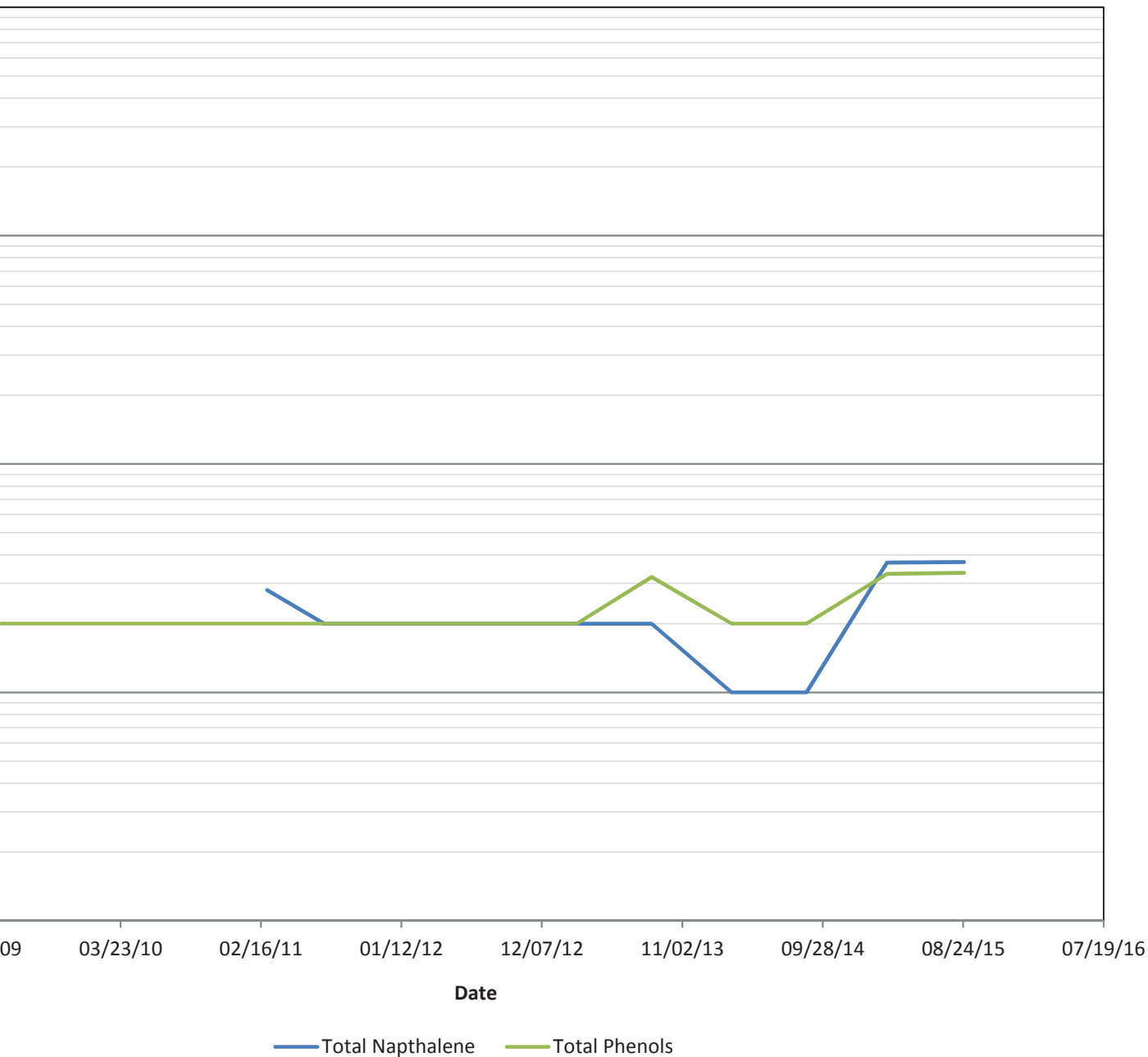
MW-10: TDS CONCENTRATIONS OVER TIME



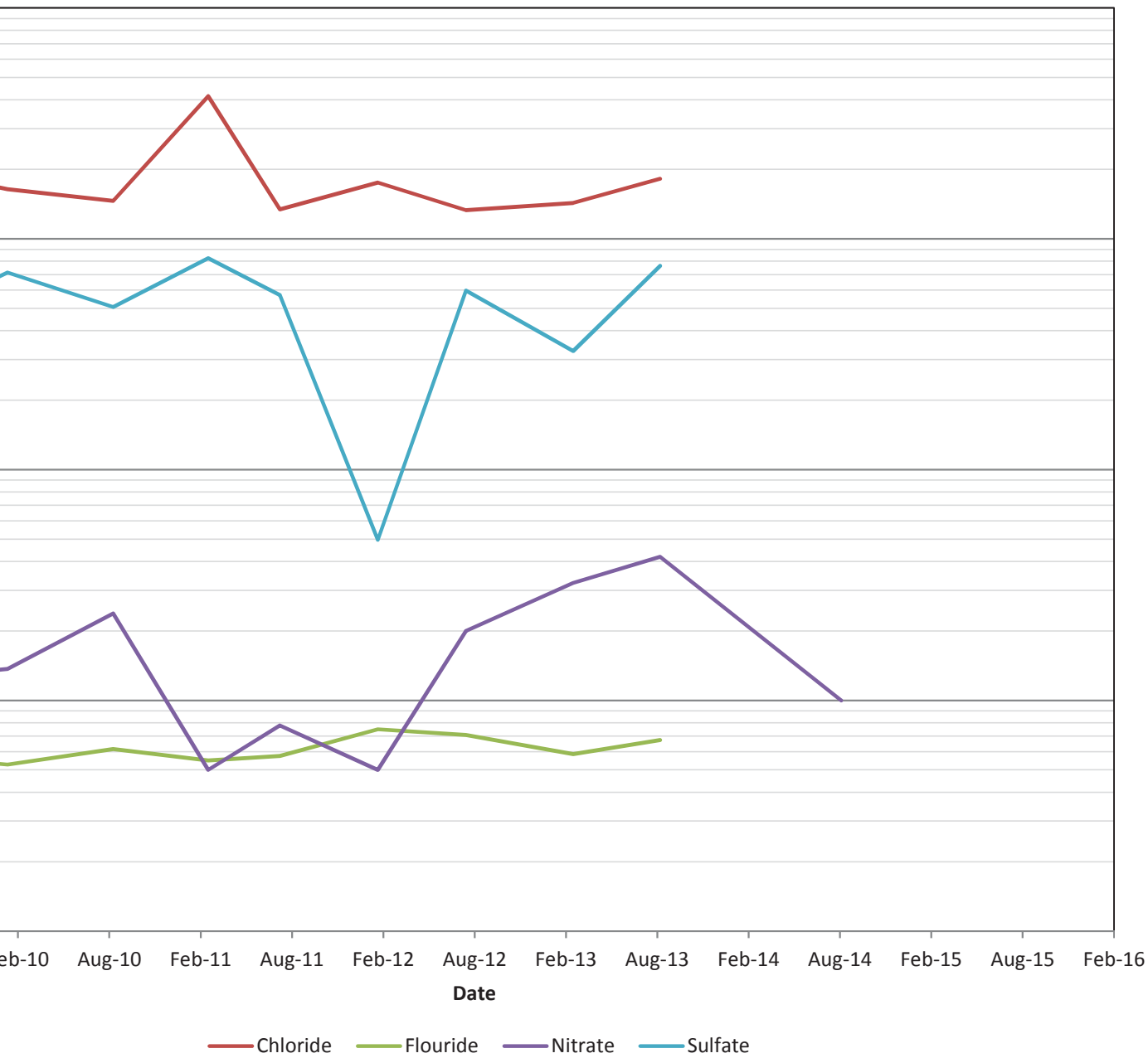
MW-10: METAL CONCENTRATIONS OVER TIME



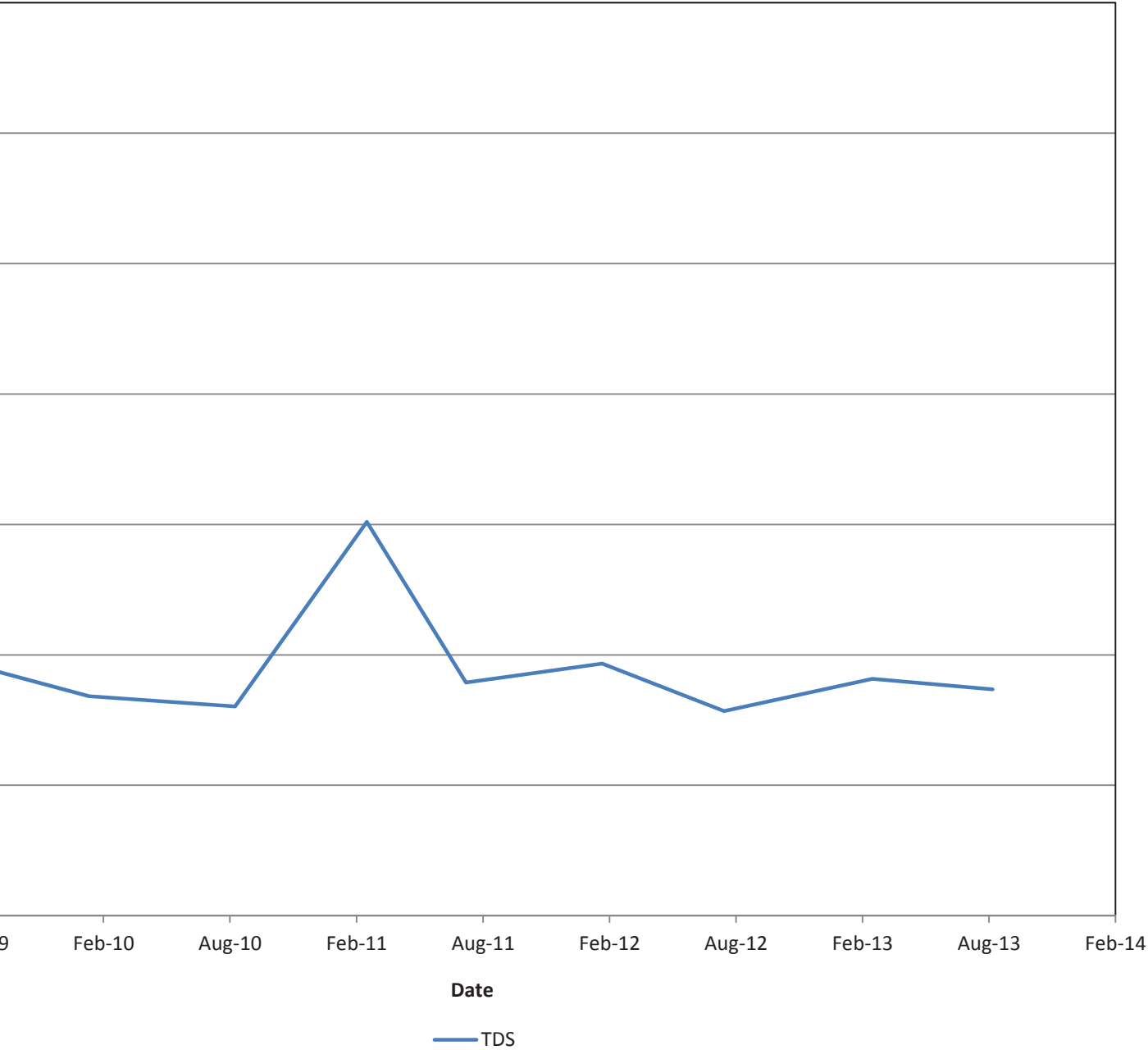
MW-10: SVOC CONCENTRATIONS OVER TIME



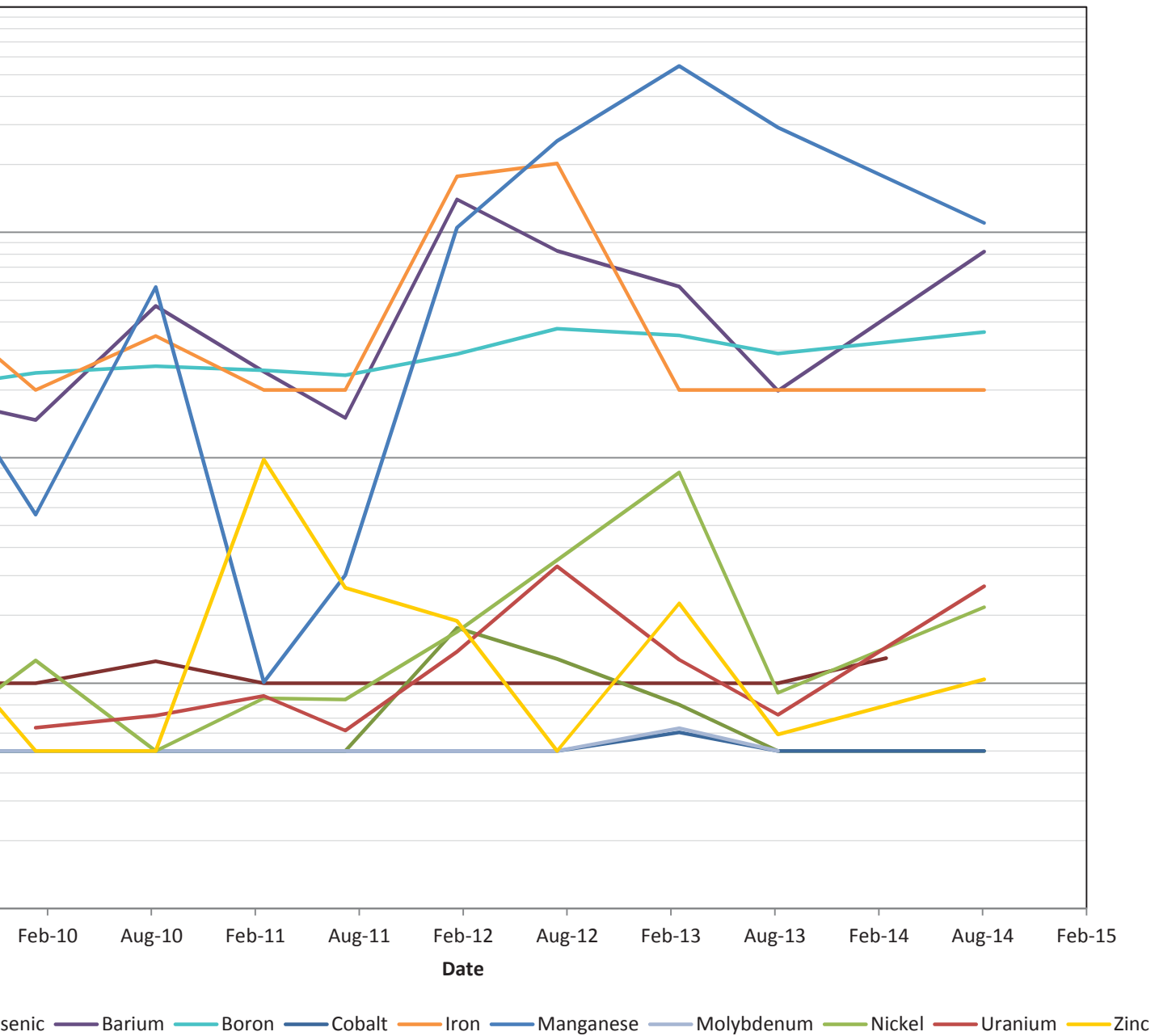
MW-11: ANION CONCENTRATIONS OVER TIME



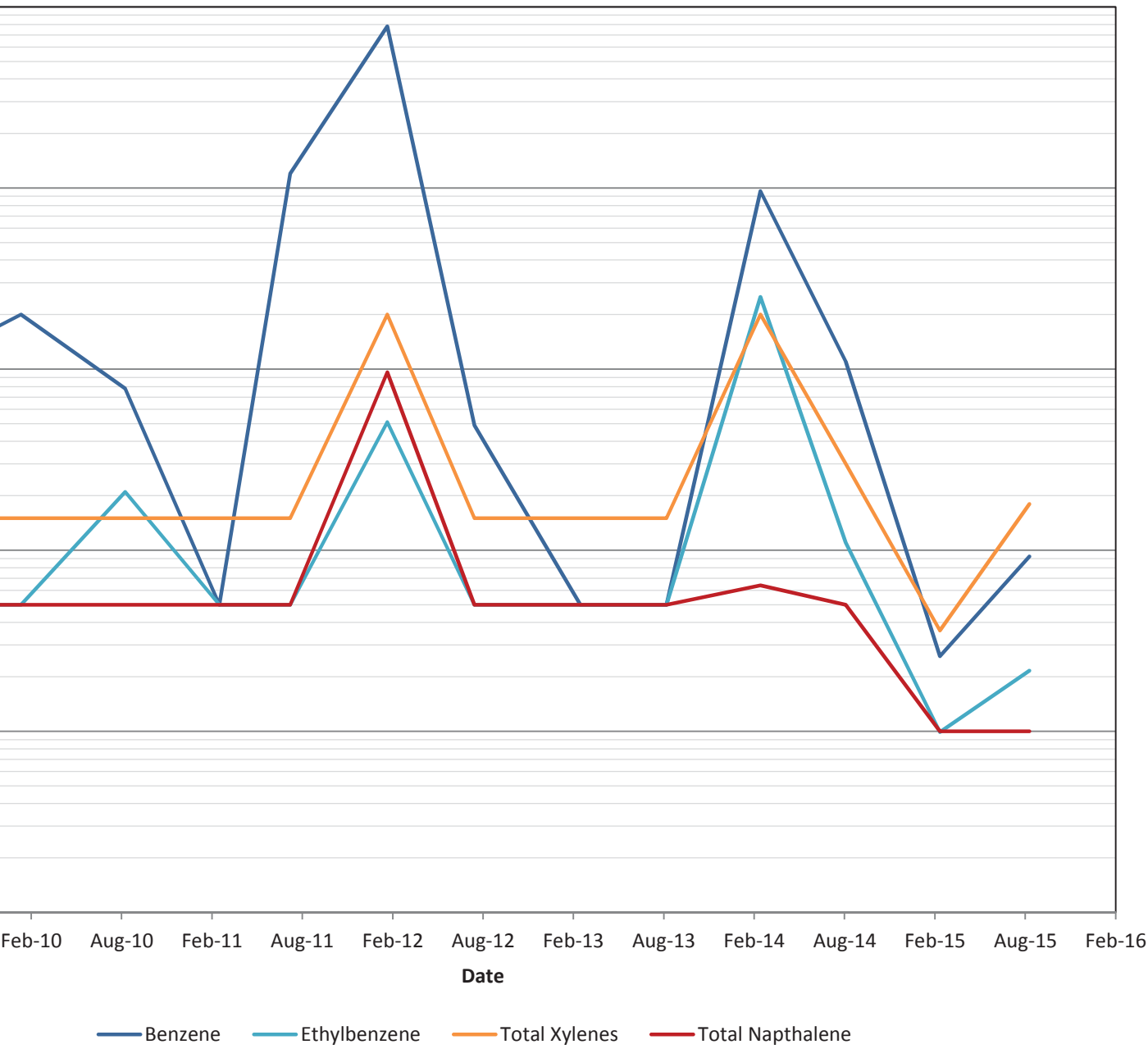
MW-11: TDS CONCENTRATIONS OVER TIME



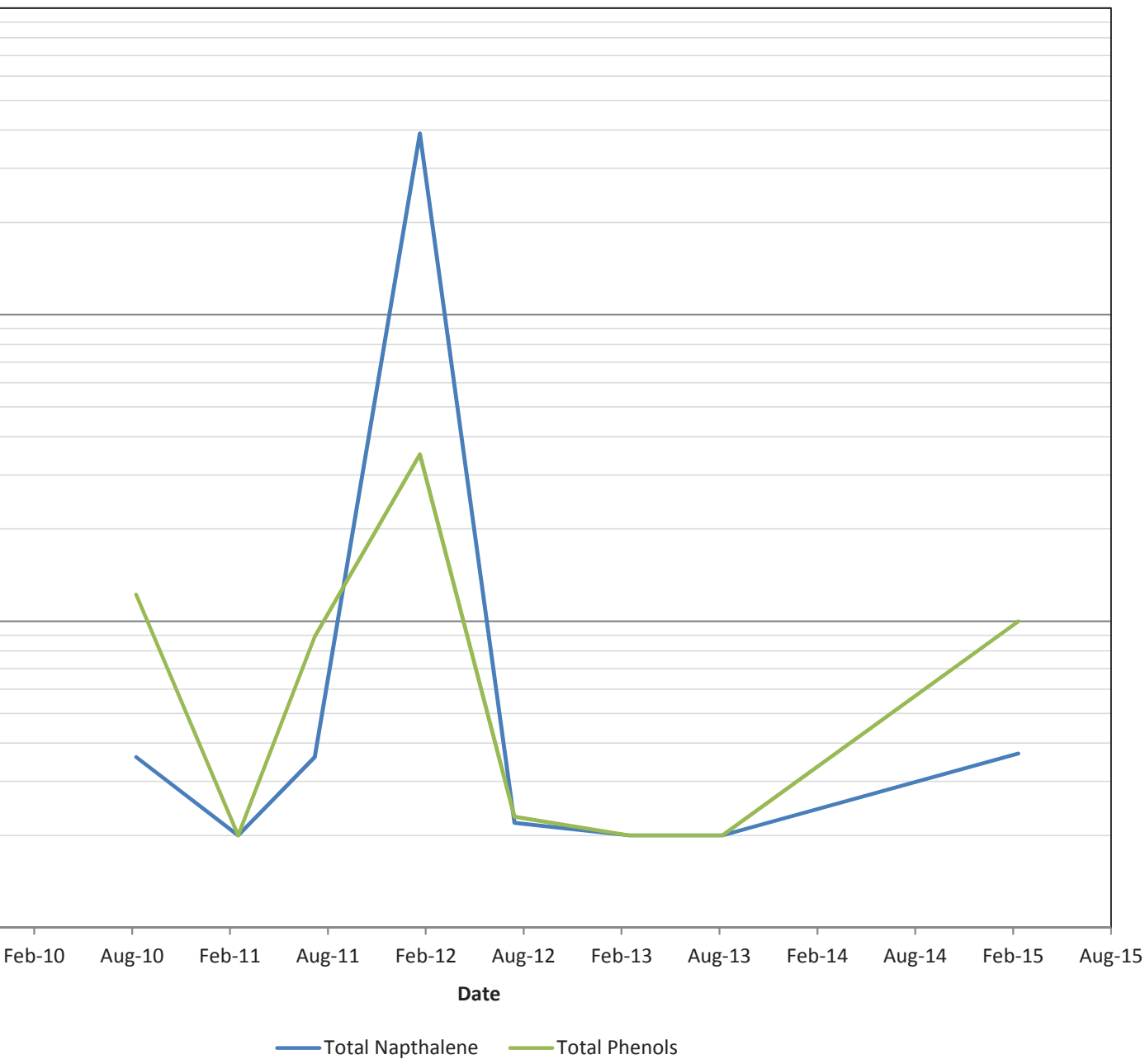
MW-11: METAL CONCENTRATIONS OVER TIME



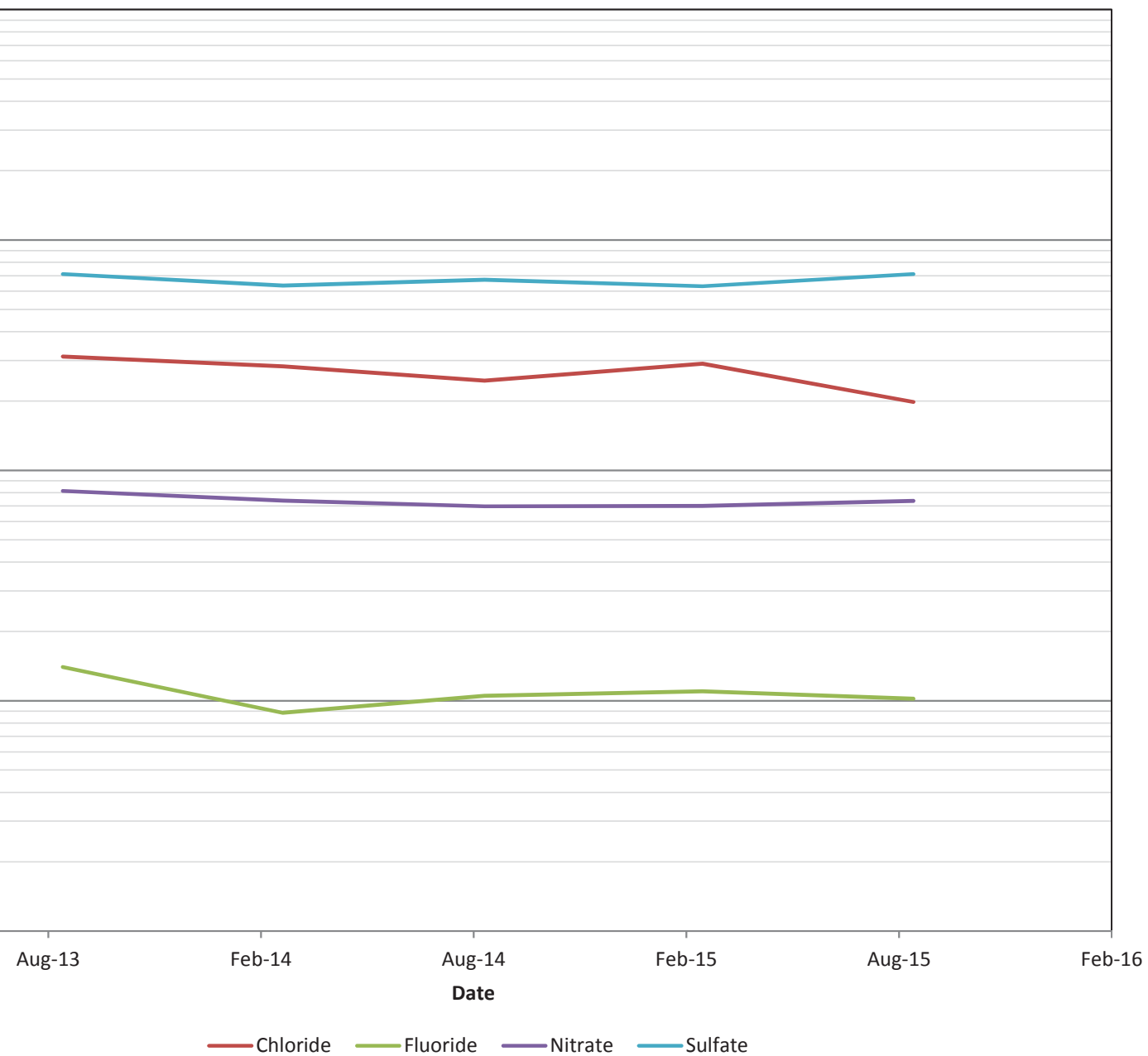
MW-11: VOC CONCENTRATIONS OVER TIME



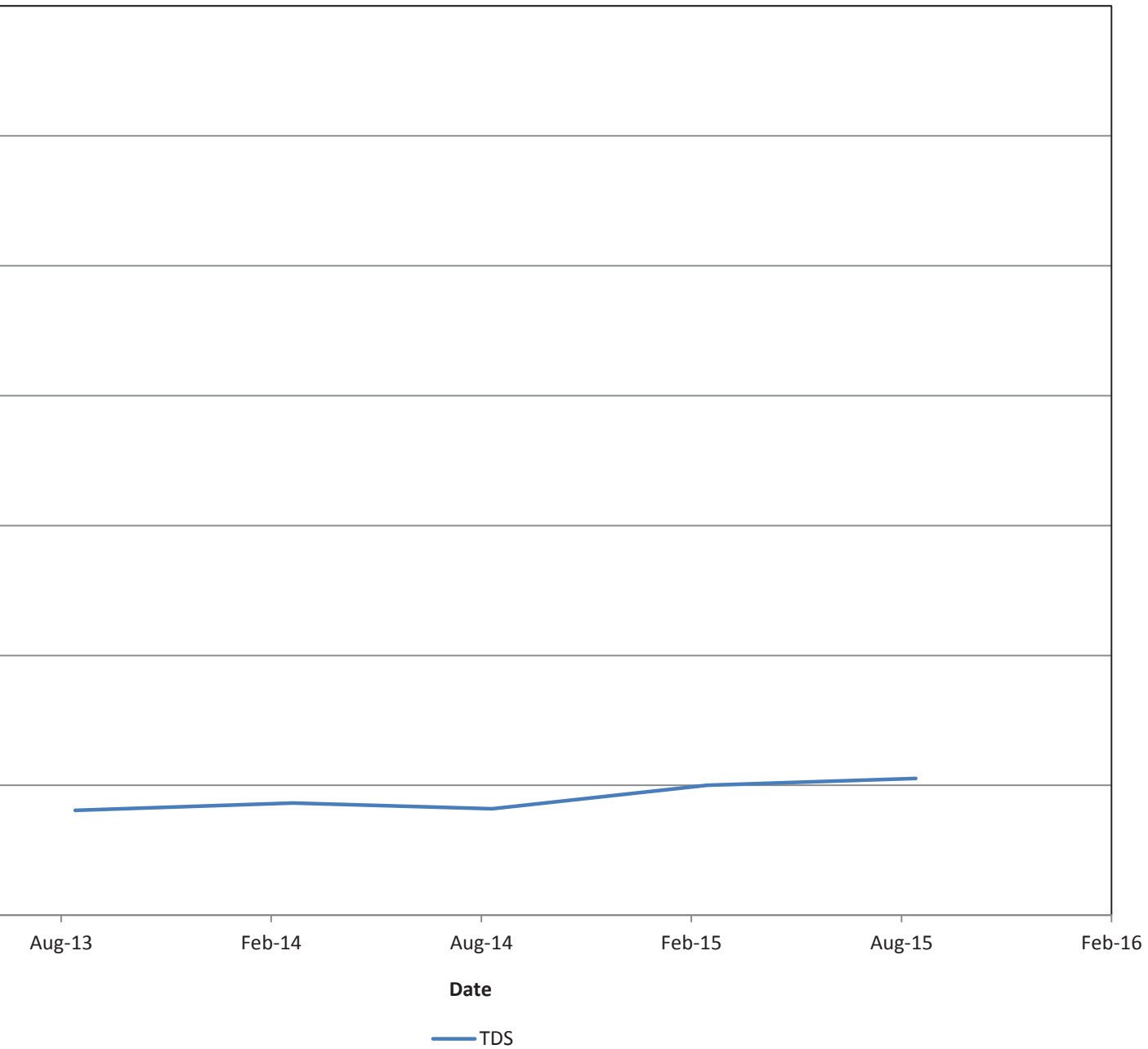
MW-11: SVOC CONCENTRATIONS OVER TIME



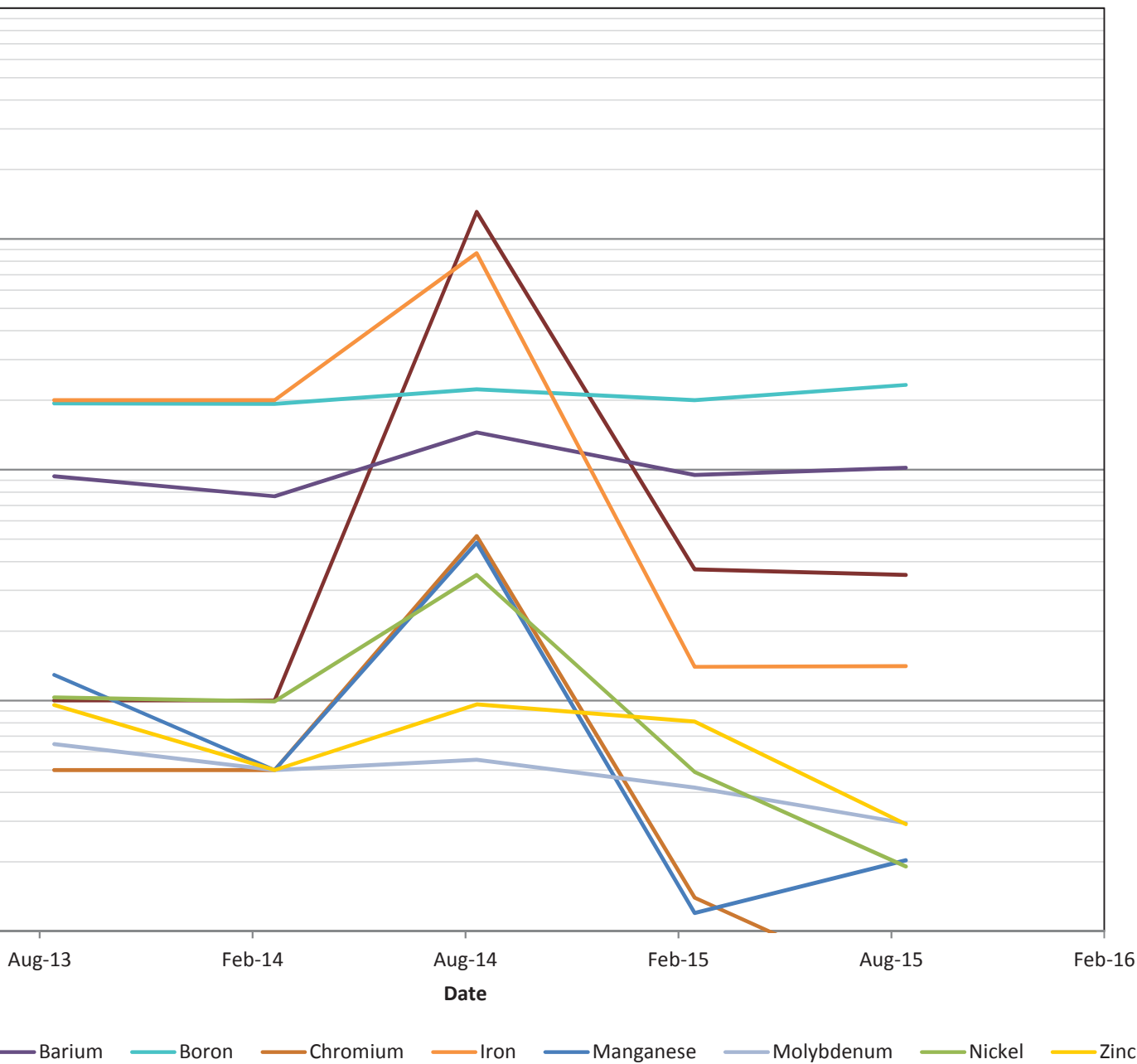
MW-12R: ANION CONCENTRATIONS OVER TIME



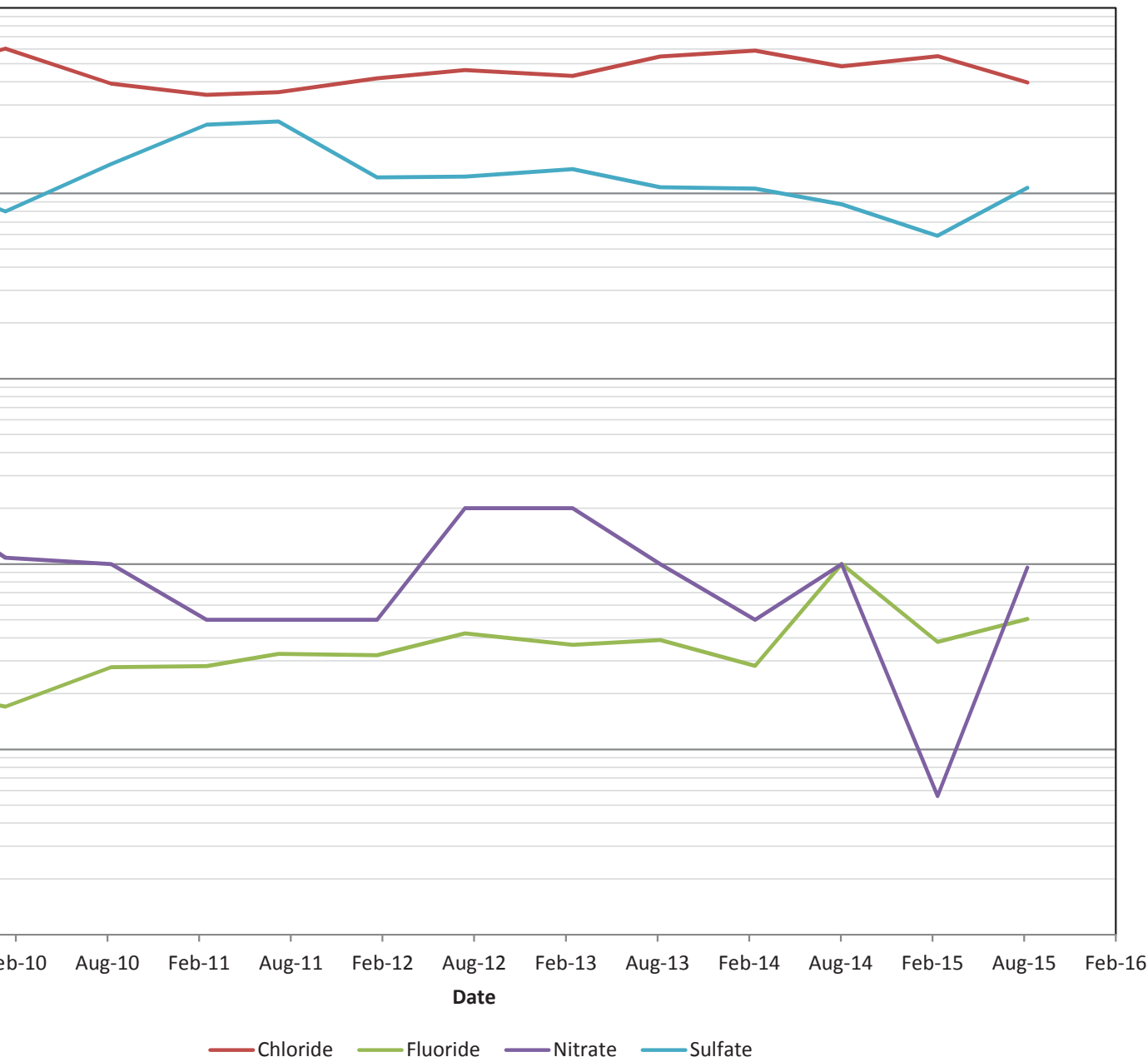
MW-12R: TDS CONCENTRATIONS OVER TIME



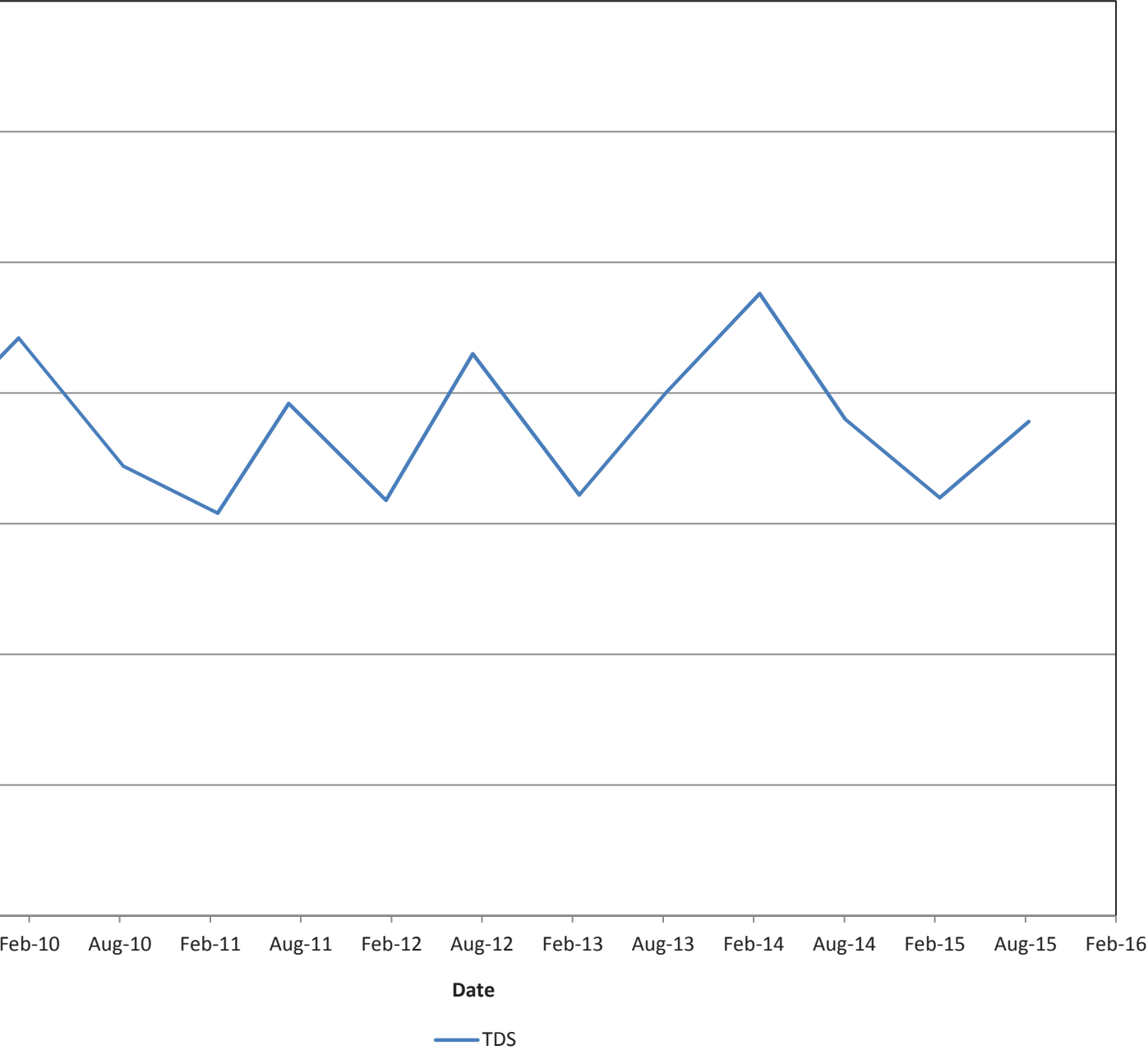
MW-12R: METAL CONCENTRATIONS OVER TIME



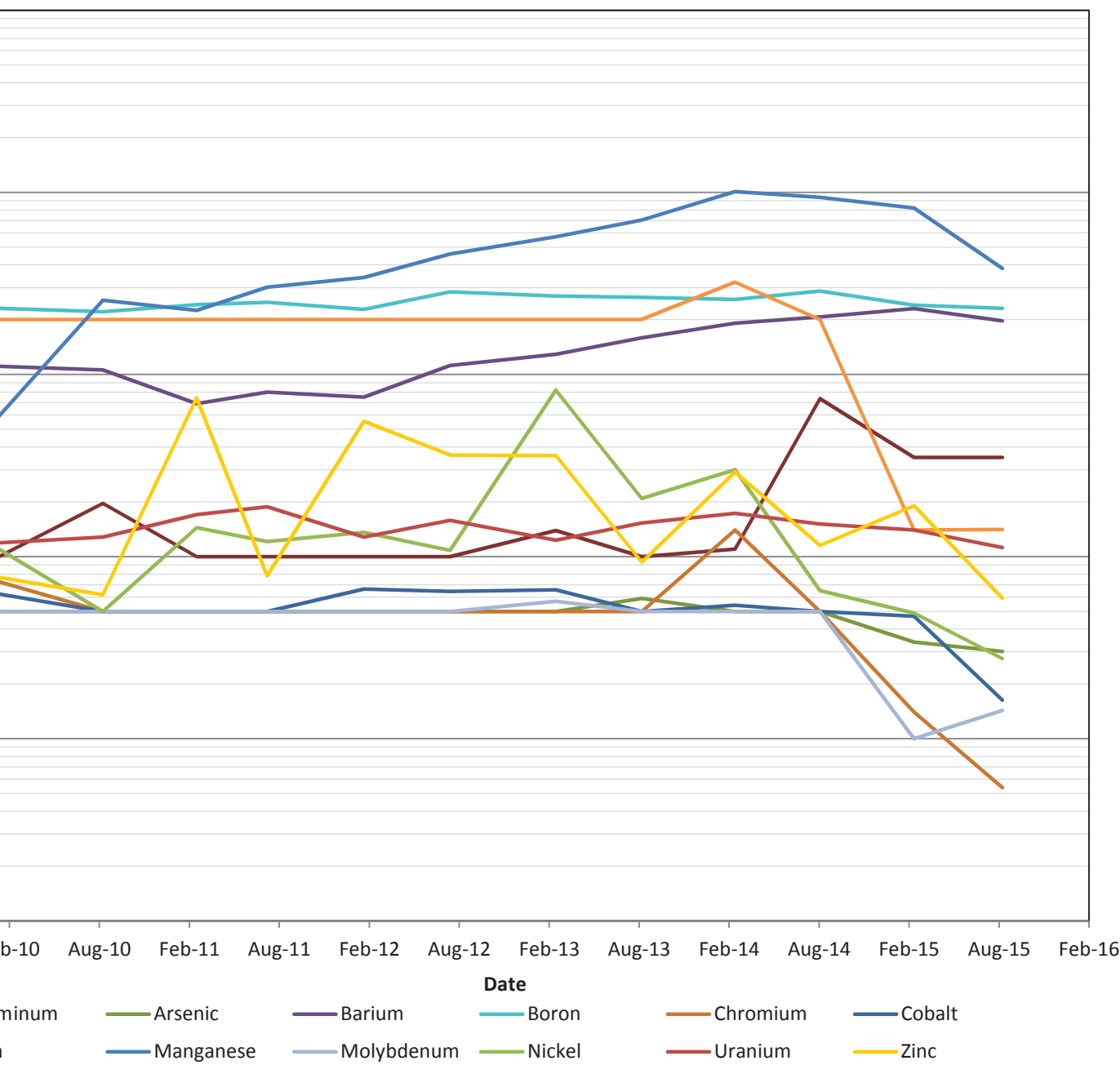
MW-13: ANION CONCENTRATIONS OVER TIME



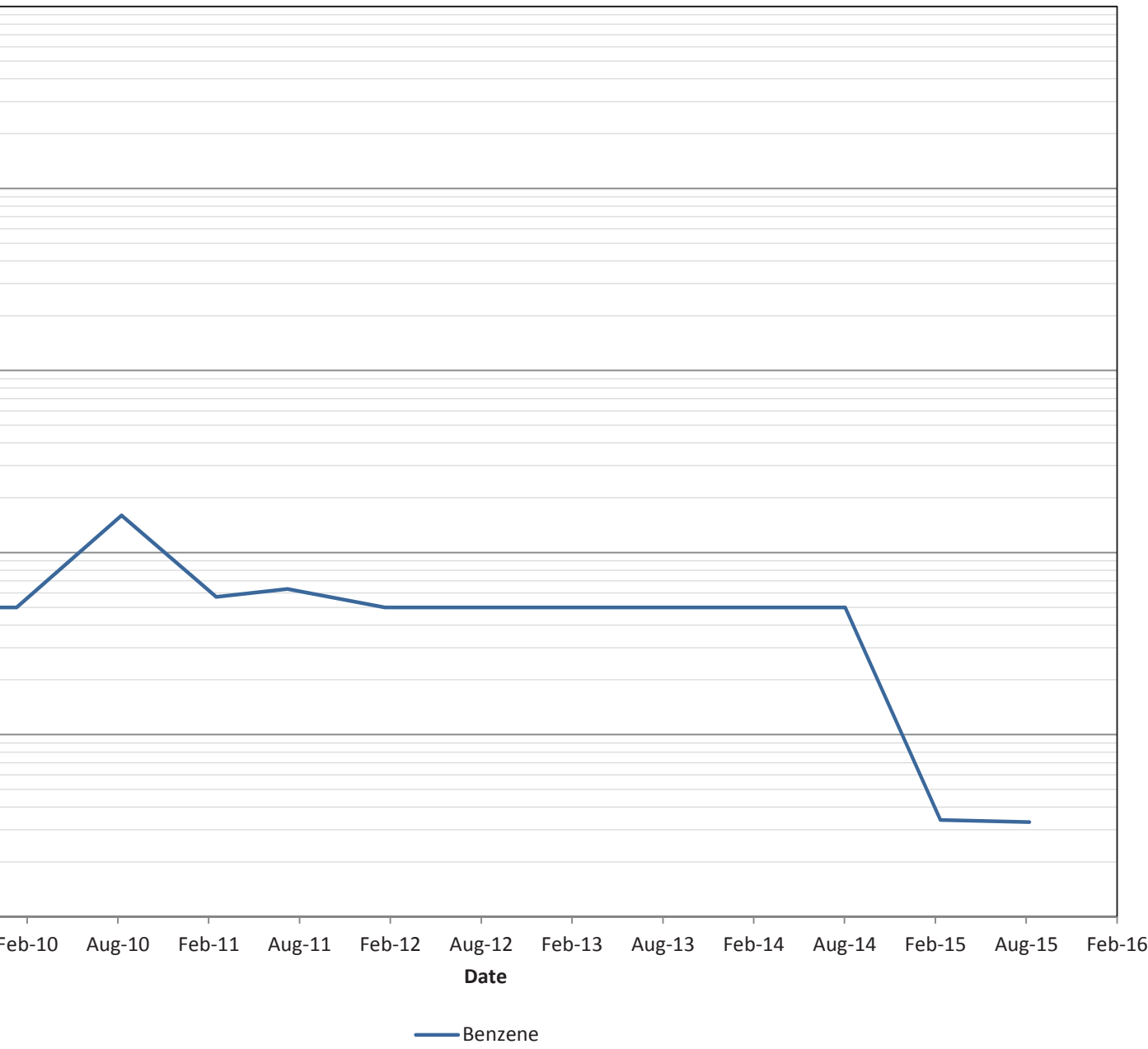
MW-13: TDS CONCENTRATIONS OVER TIME



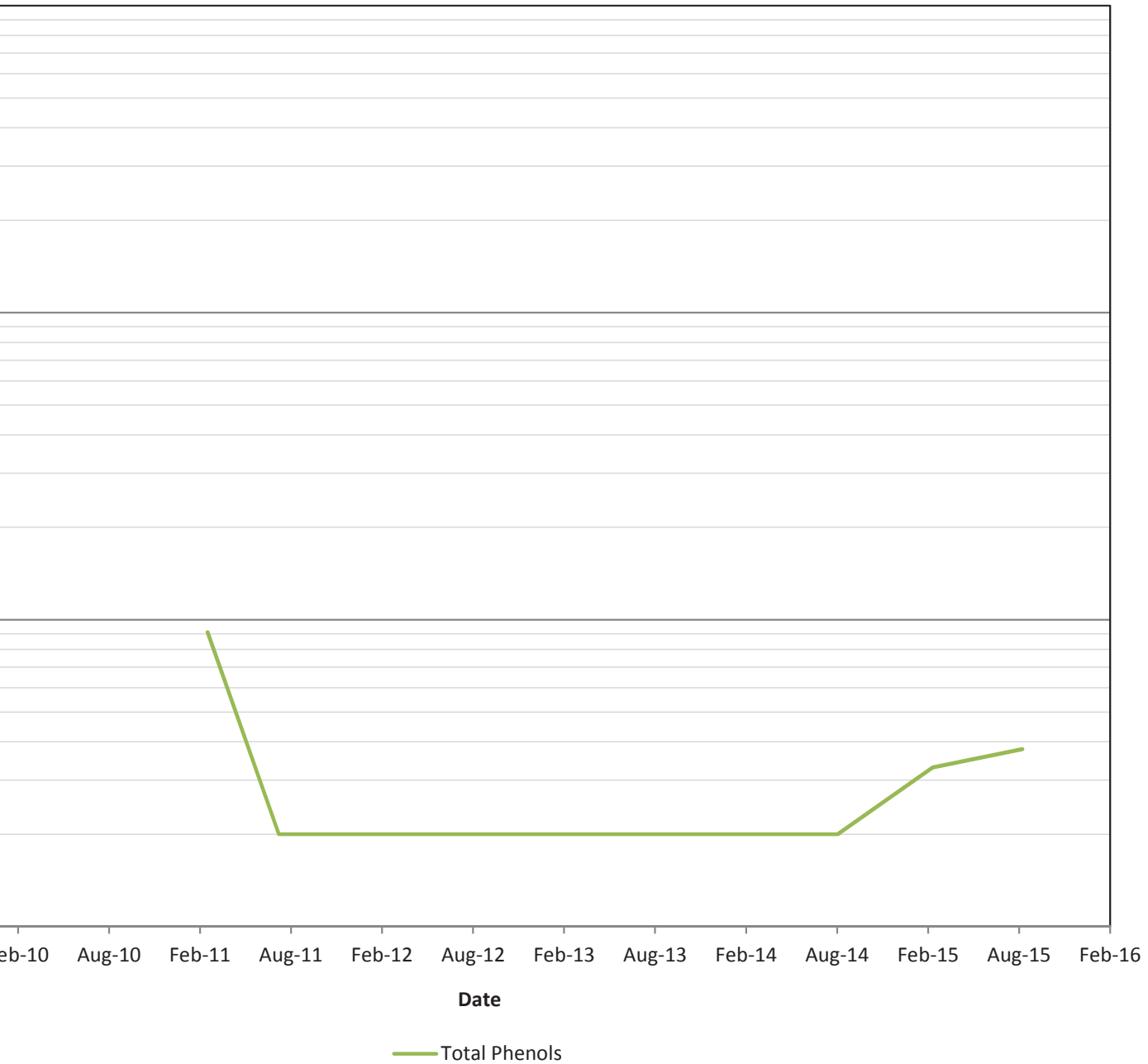
MW-13: METAL CONCENTRATIONS OVER TIME



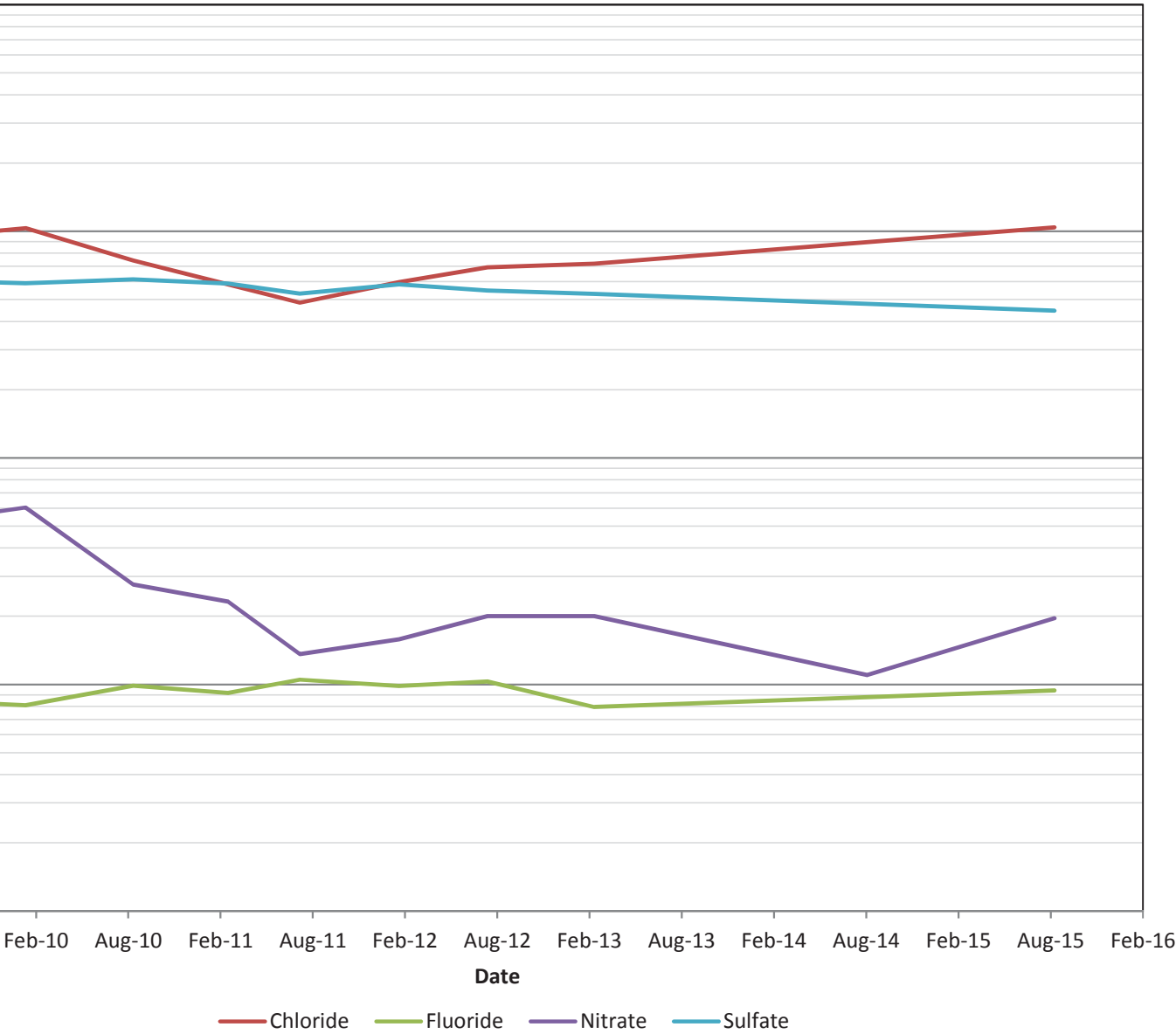
MW-13: VOC CONCENTRATIONS OVER TIME



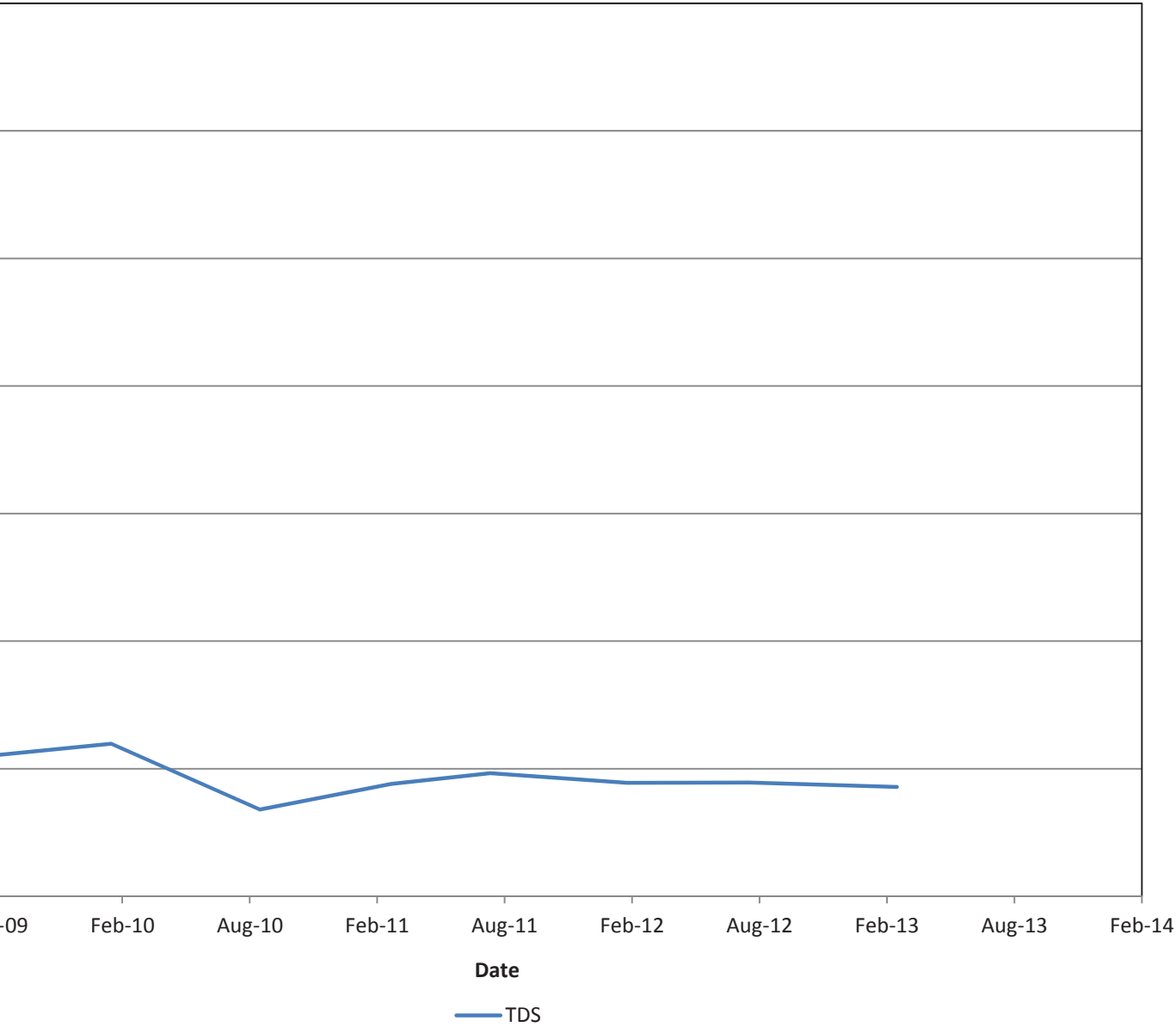
MW-13: SVOC CONCENTRATIONS OVER TIME



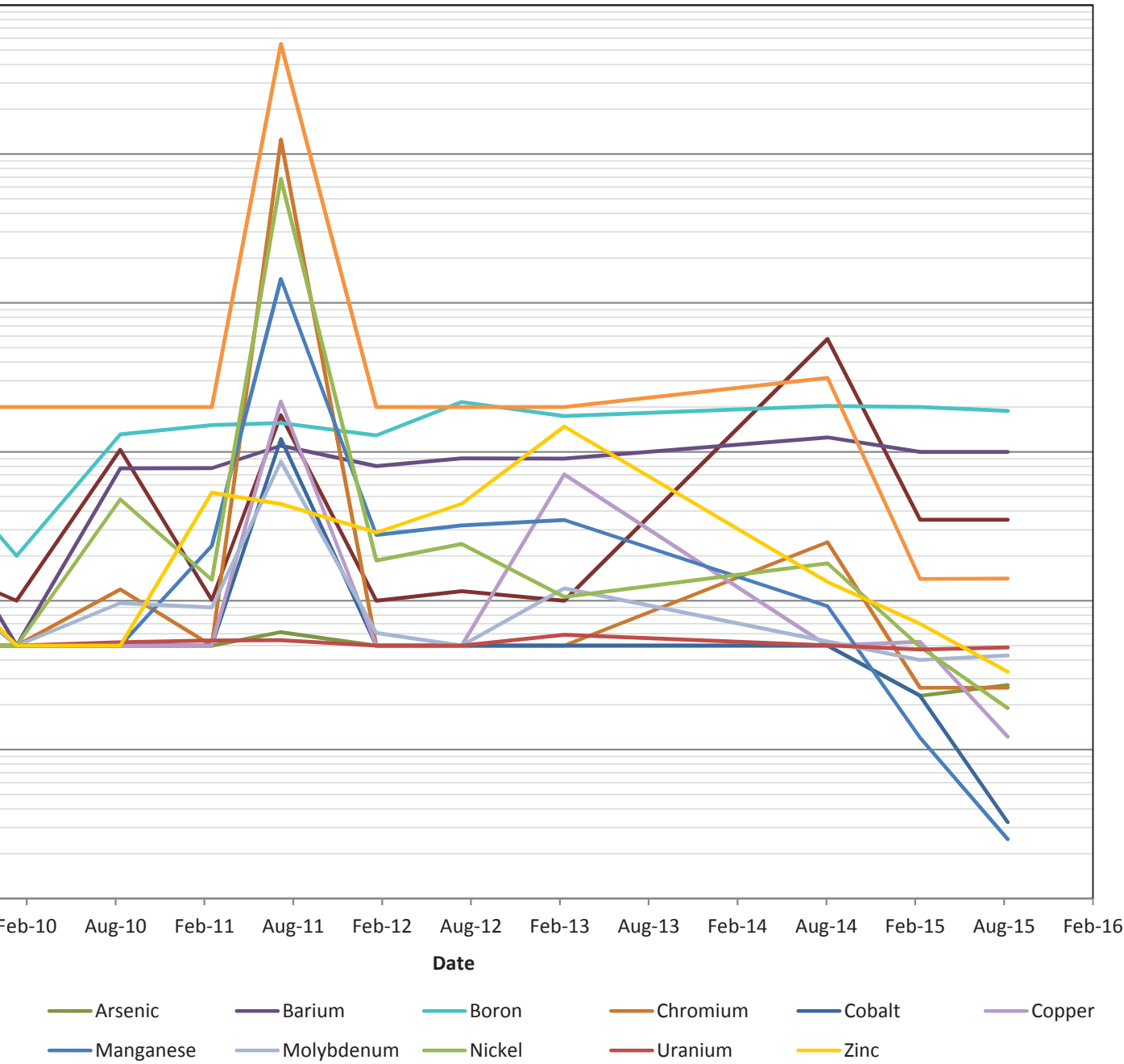
MW-14: ANION CONCENTRATIONS OVER TIME



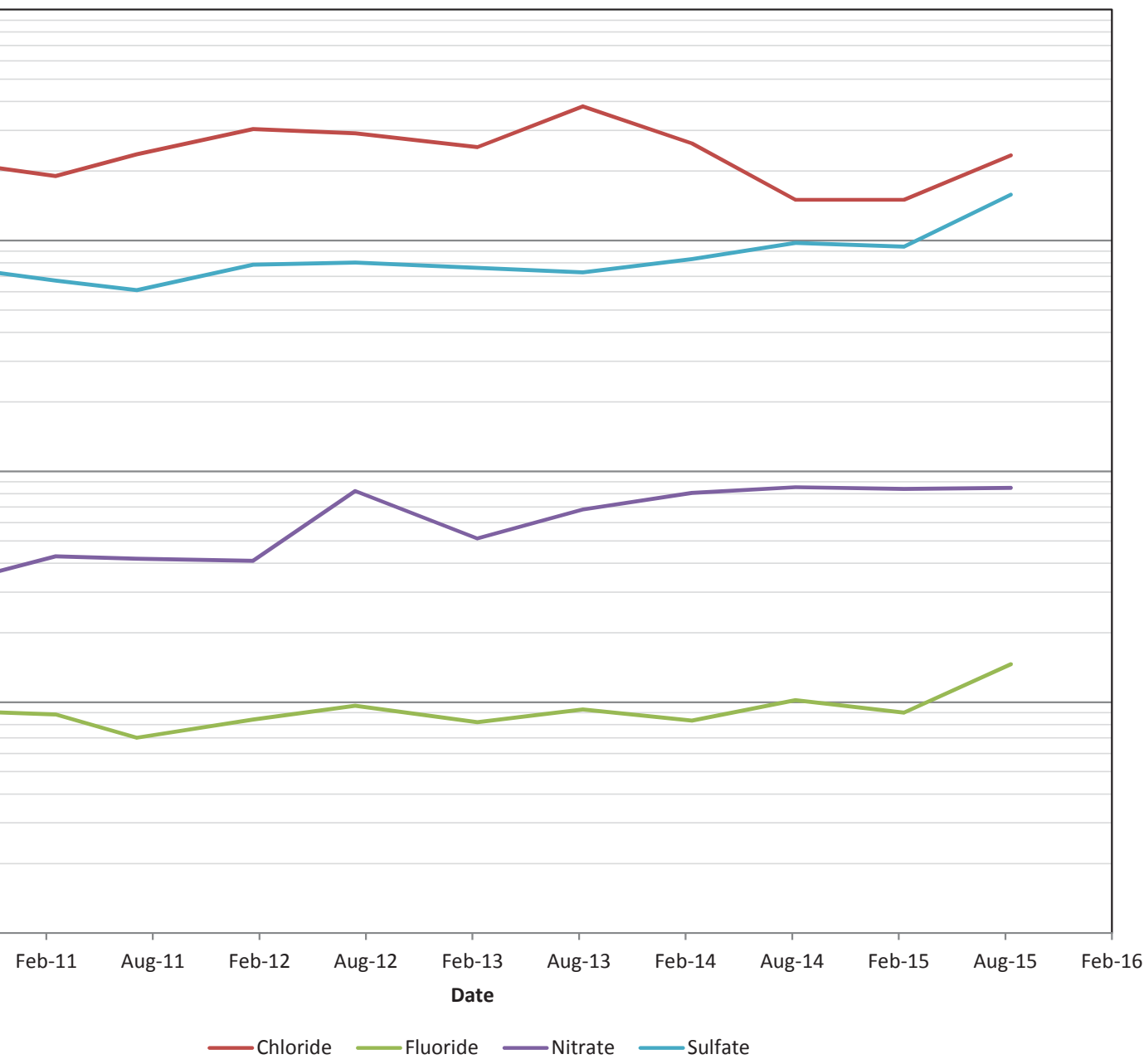
MW-14: TDS CONCENTRATIONS OVER TIME



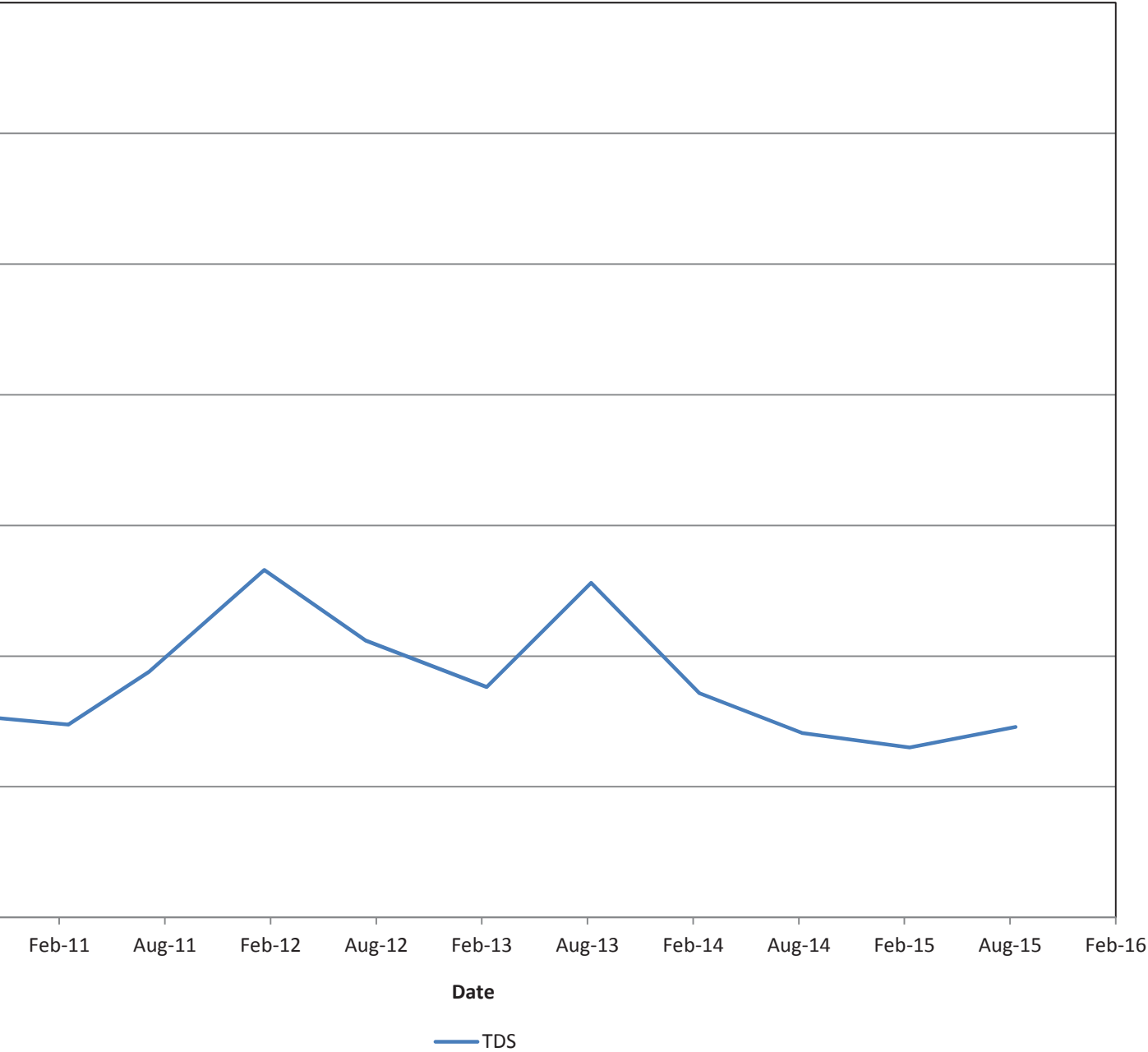
MW-14: METAL CONCENTRATIONS OVER TIME



MW-15: ANION CONCENTRATIONS OVER TIME



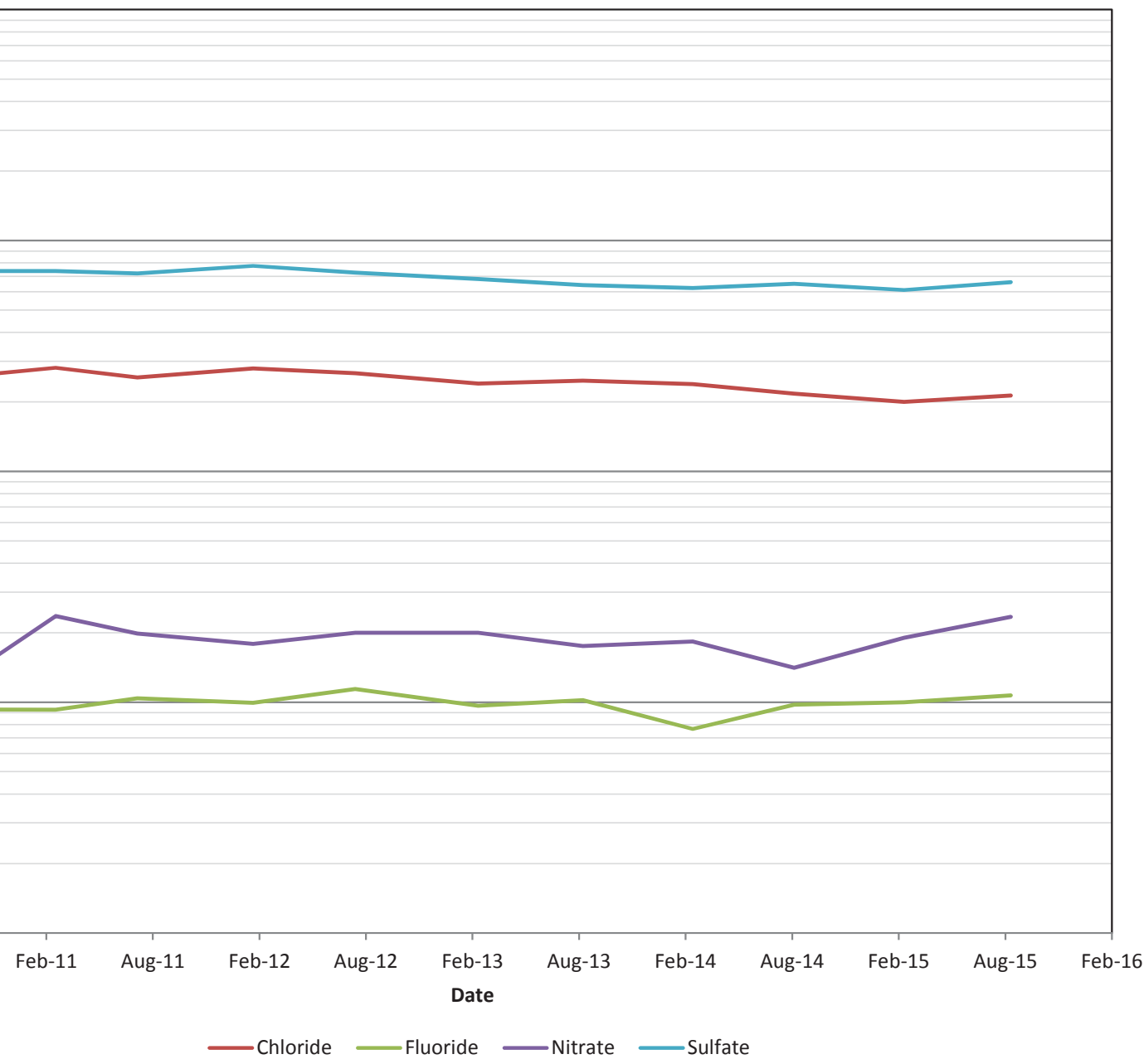
MW-15: TDS CONCENTRATIONS OVER TIME



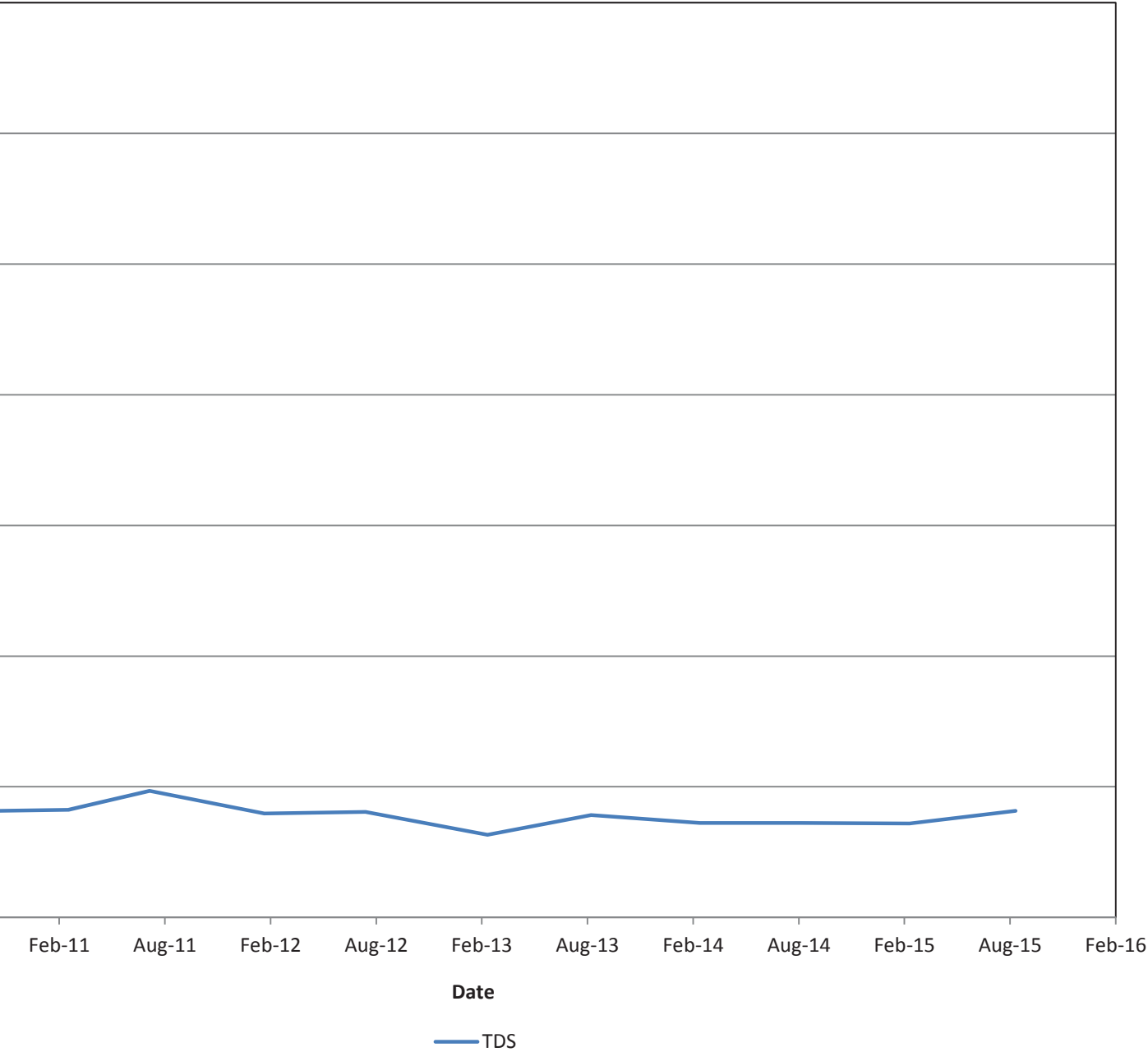
The chart displays the concentration of eight metals over a five-year period. The x-axis represents time, with labels every six months from February 2011 to February 2016. The y-axis represents concentration in mg/kg, ranging from 0 to 100. The legend identifies the metals by color: Aluminum (dark blue), Barium (purple), Boron (teal), Chromium (brown), Iron (orange), Manganese (blue), Nickel (green), and Zinc (yellow).

Date	Aluminum	Barium	Boron	Chromium	Iron	Manganese	Nickel	Zinc
Feb-11	10	10	10	10	10	10	10	10
Aug-11	10	15	15	10	10	10	10	10
Feb-12	10	15	15	10	10	10	10	10
Aug-12	10	15	15	10	10	10	10	10
Feb-13	10	15	15	10	10	10	10	10
Aug-13	10	15	15	10	10	10	10	10
Feb-14	10	15	15	10	10	10	10	10
Aug-14	10	15	15	10	10	10	10	10
Feb-15	10	15	15	10	10	10	10	10
Aug-15	10	15	15	10	10	10	10	10
Feb-16	10	15	15	10	10	10	10	10

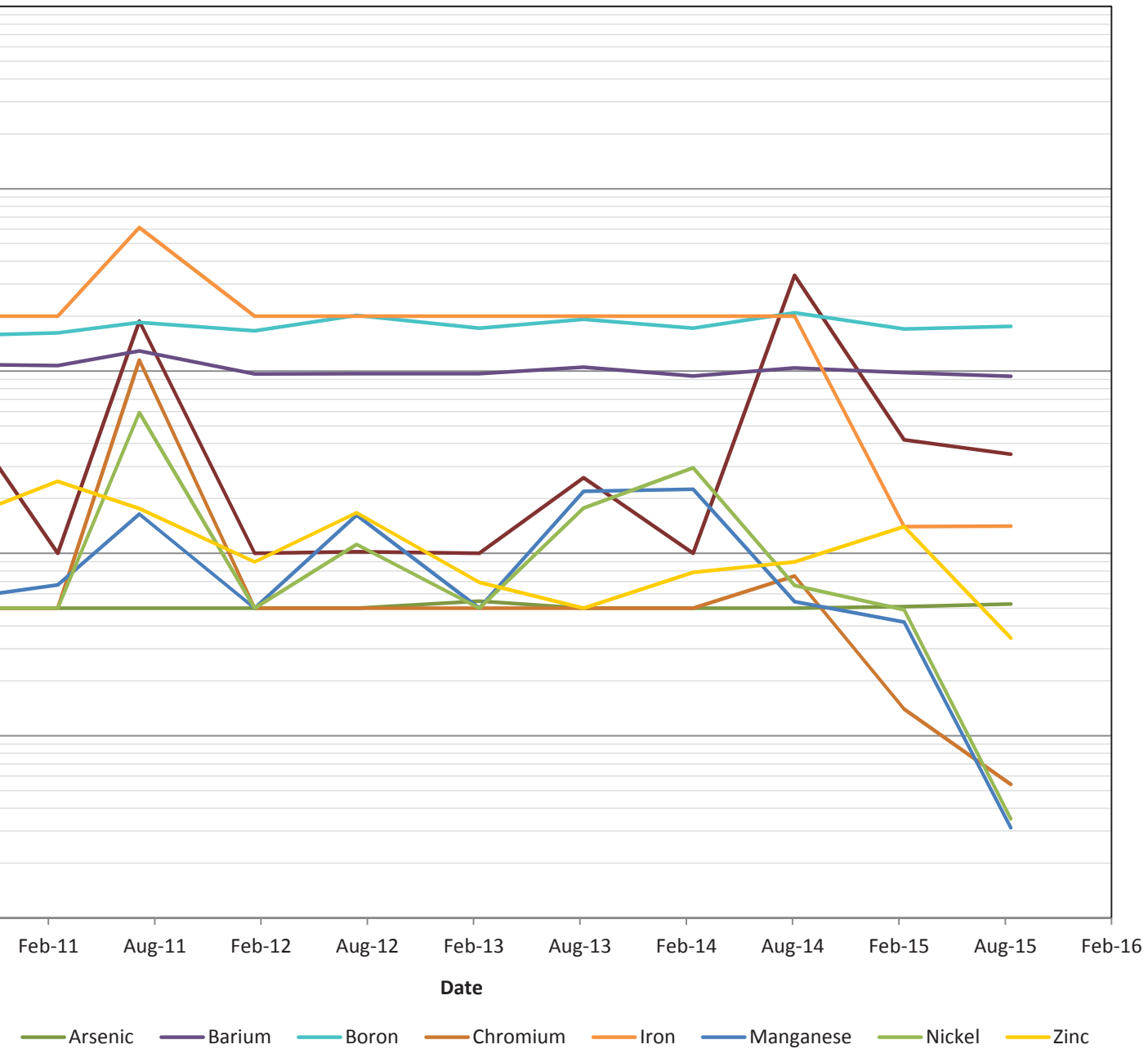
MW-16: ANION CONCENTRATIONS OVER TIME



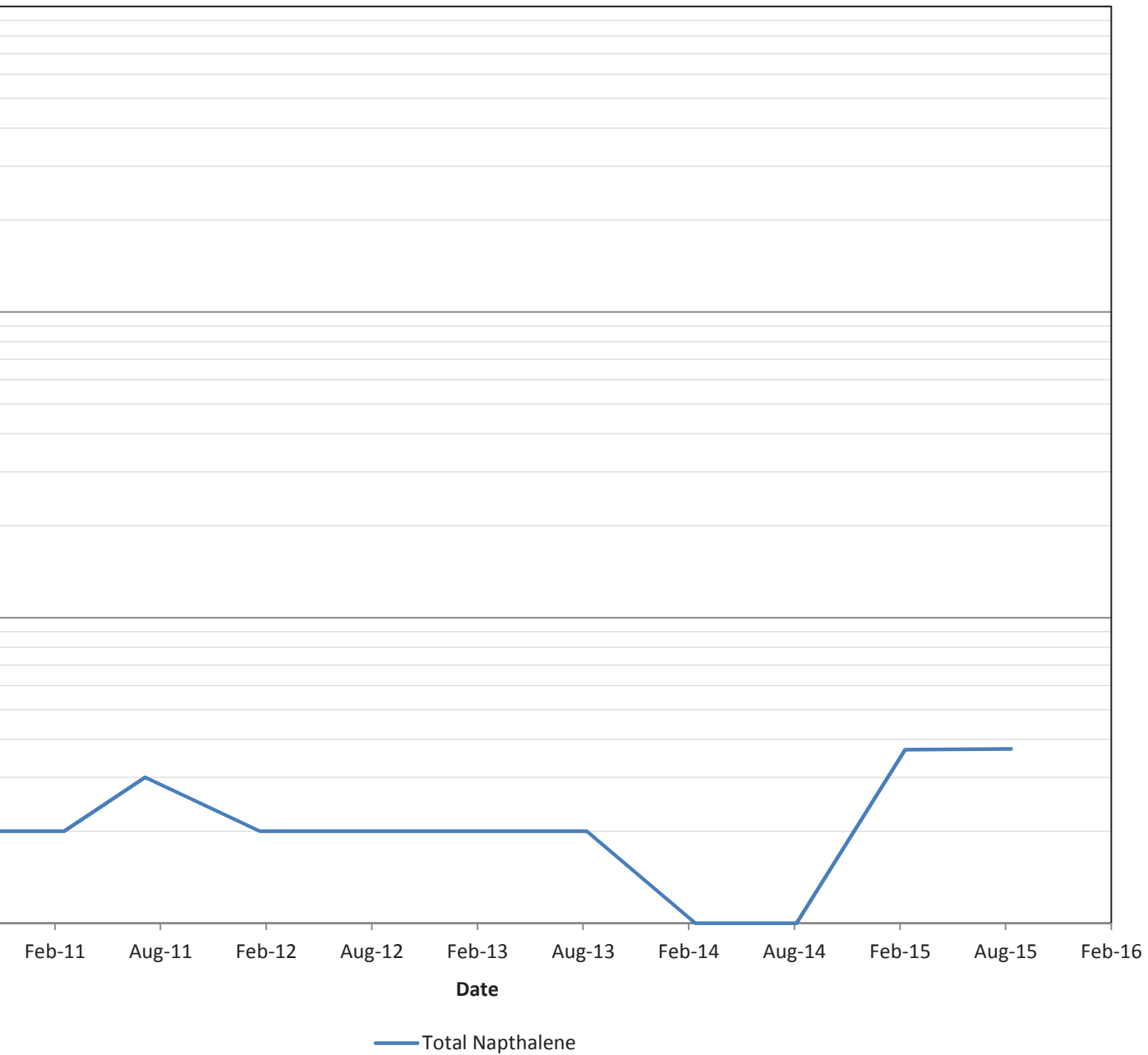
MW-16: TDS CONCENTRATIONS OVER TIME



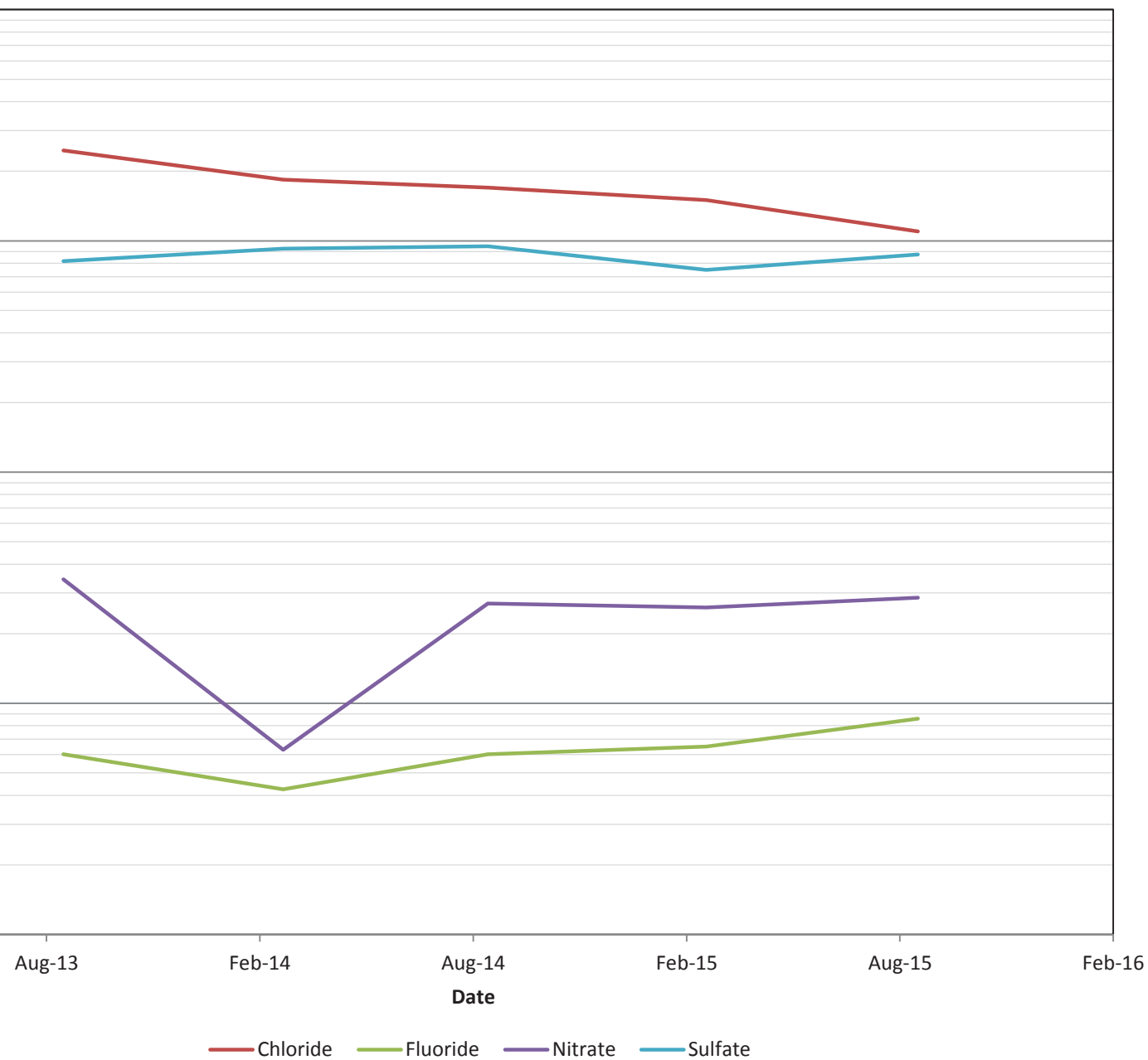
MW-16: METAL CONCENTRATIONS OVER TIME



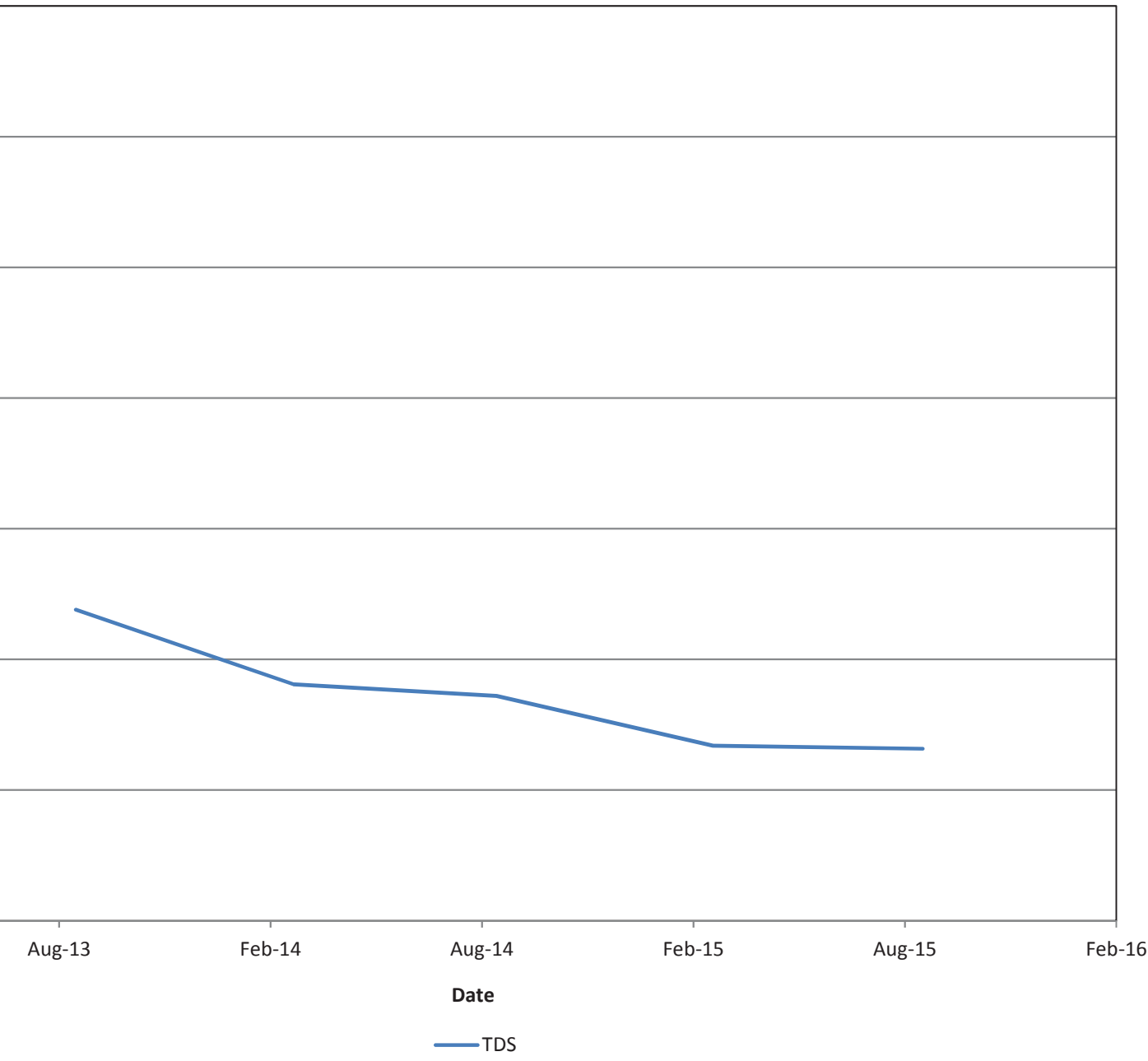
MW-16: SVOC CONCENTRATIONS OVER TIME



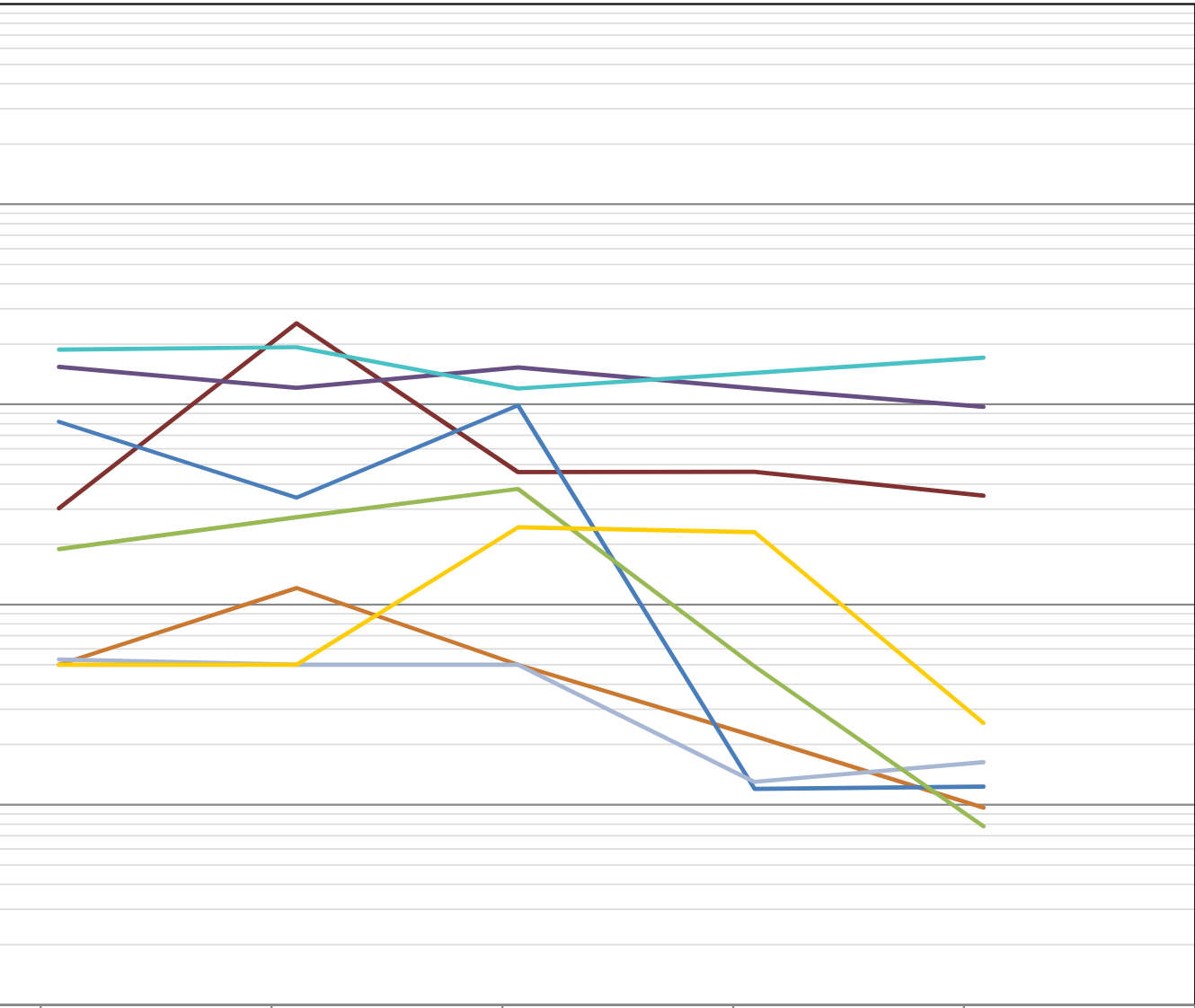
MW-17R: ANION CONCENTRATIONS OVER TIME



MW-17R: TDS CONCENTRATIONS OVER TIME



MW-17R: METAL CONCENTRATIONS OVER TIME

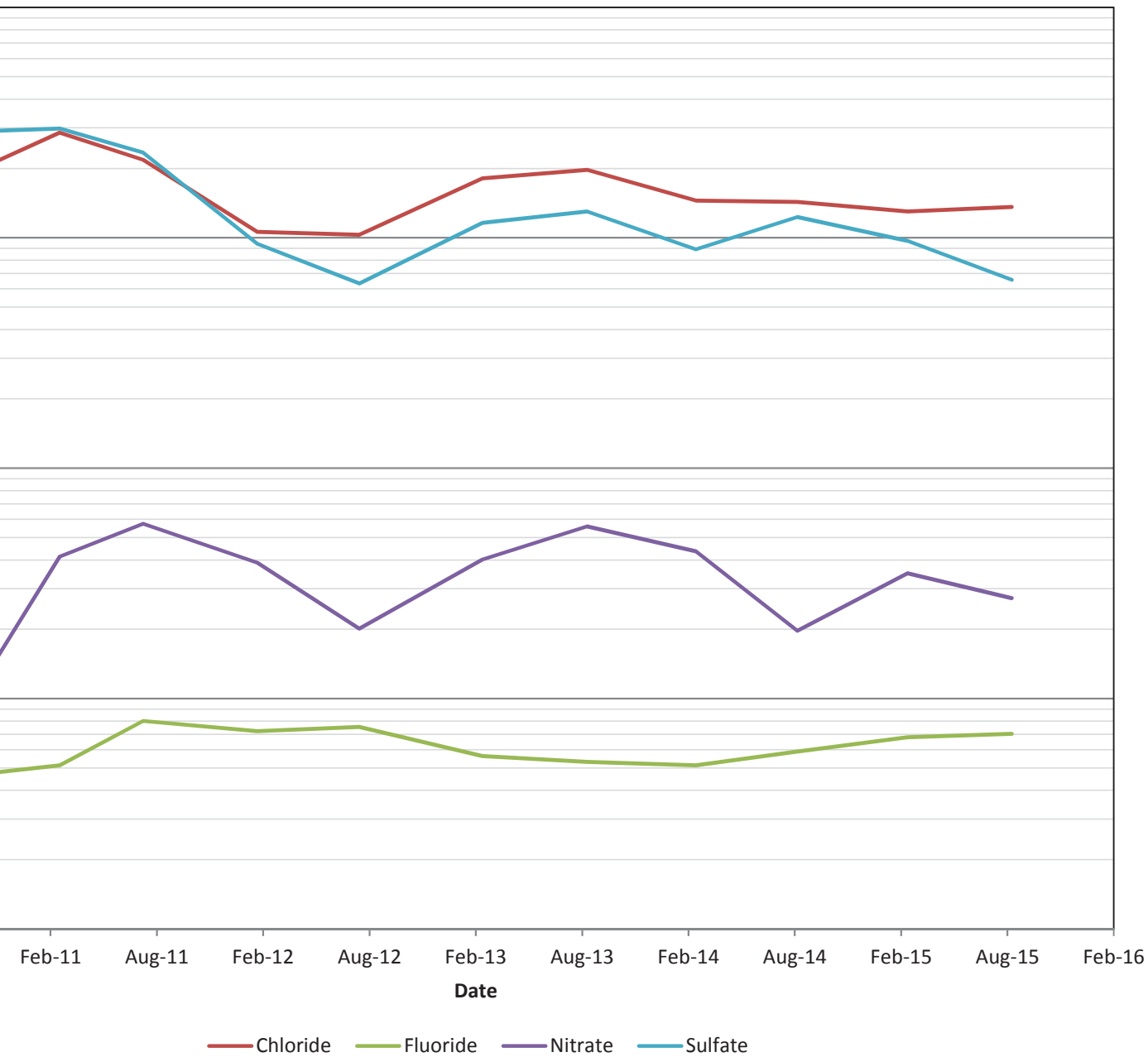


Aug-13 Feb-14 Aug-14 Feb-15 Aug-15 Feb-16

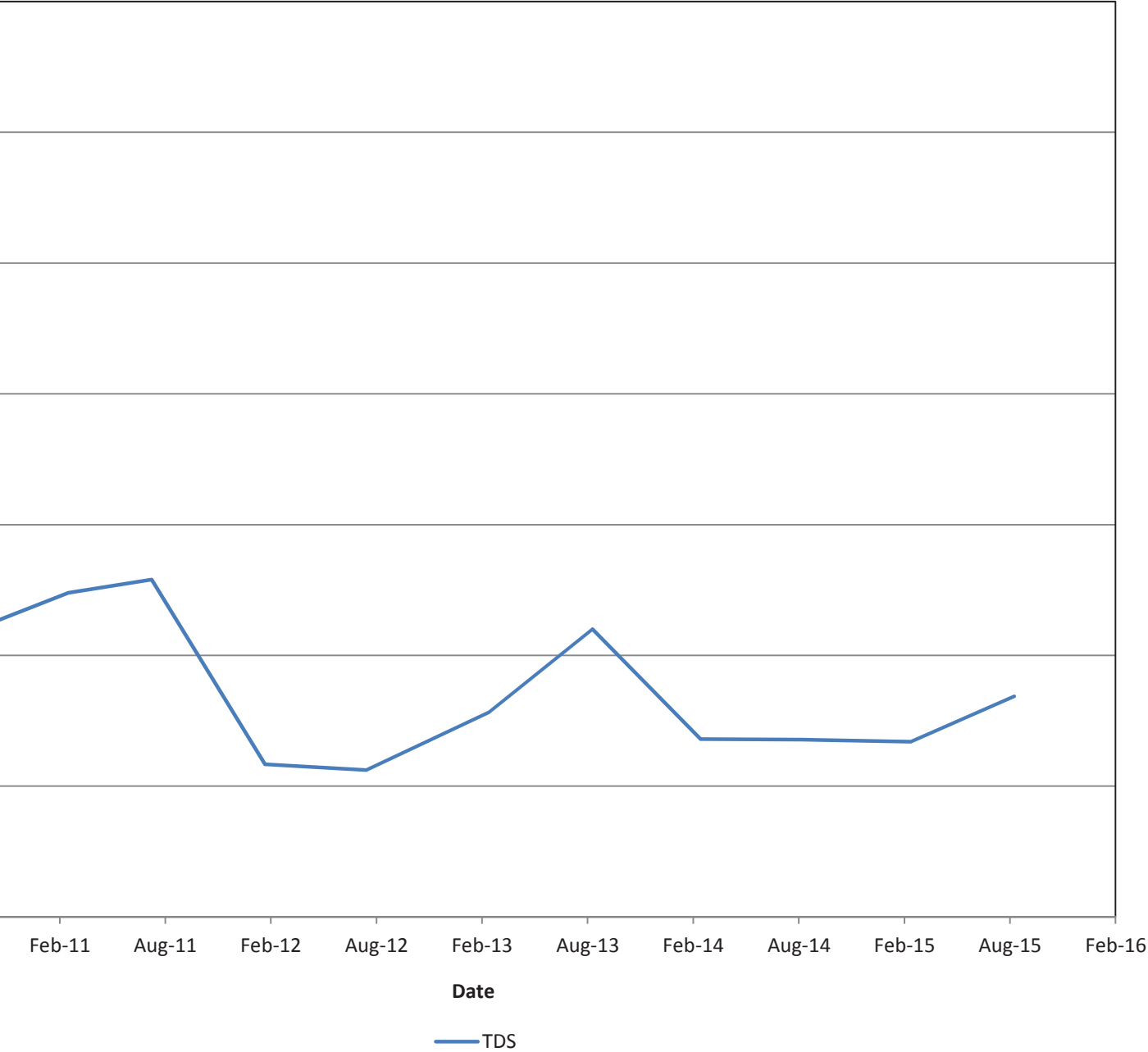
Date

m Barium Boron Chromium Manganese Molybdenum Nickel Zinc

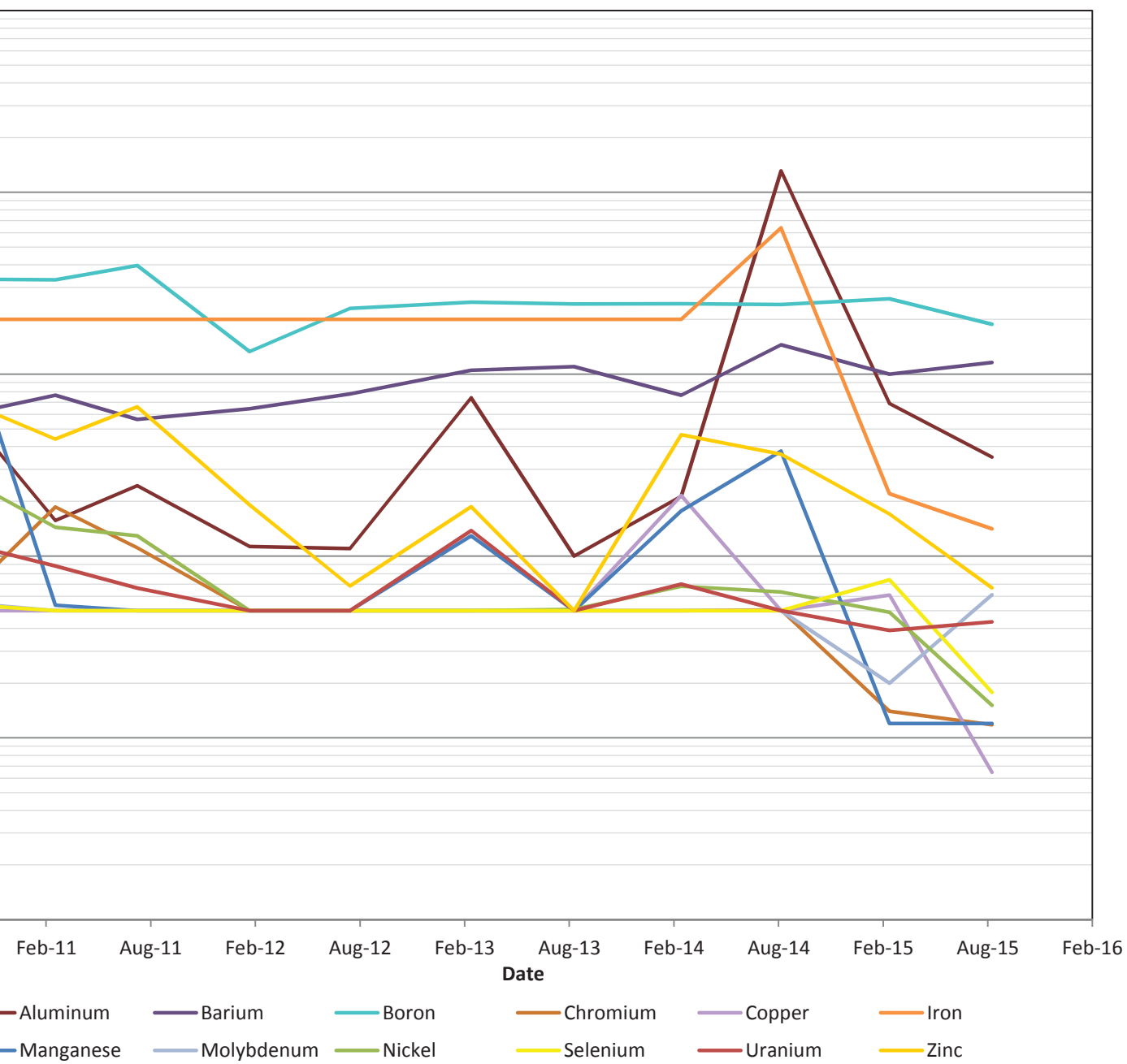
MW-18: ANION CONCENTRATIONS OVER TIME



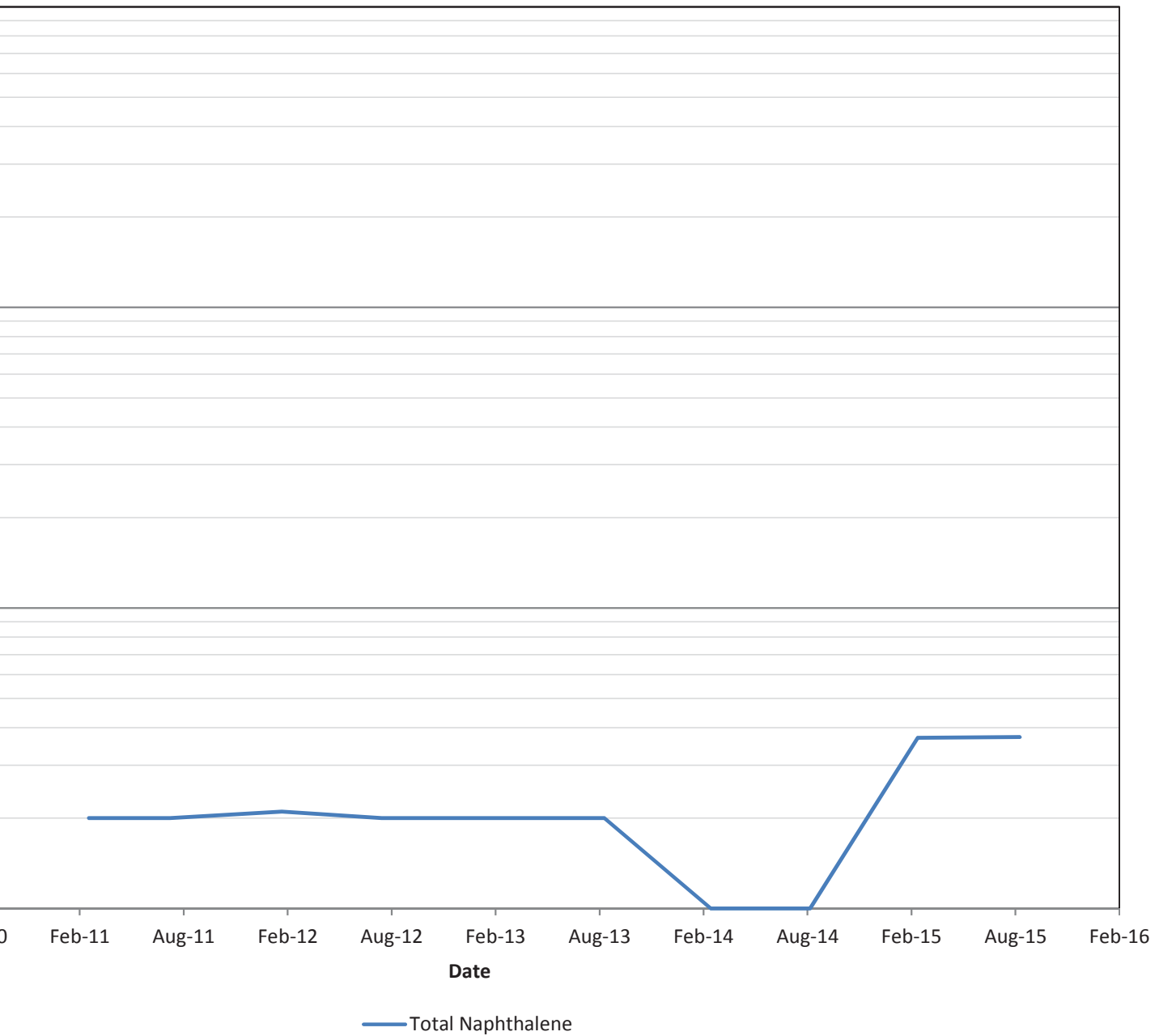
MW-18: TDS CONCENTRATIONS OVER TIME



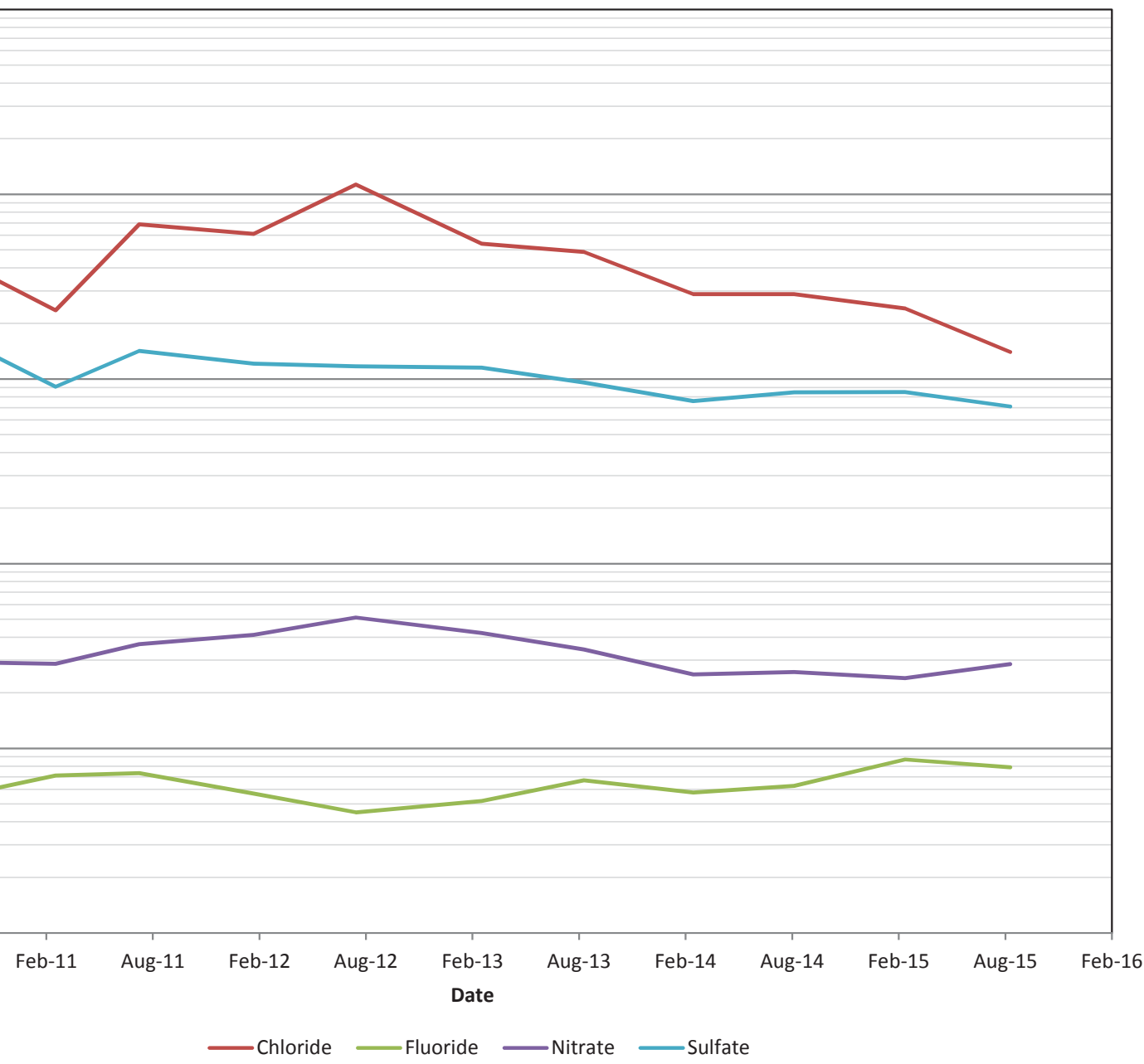
MW-18: METAL CONCENTRATIONS OVER TIME



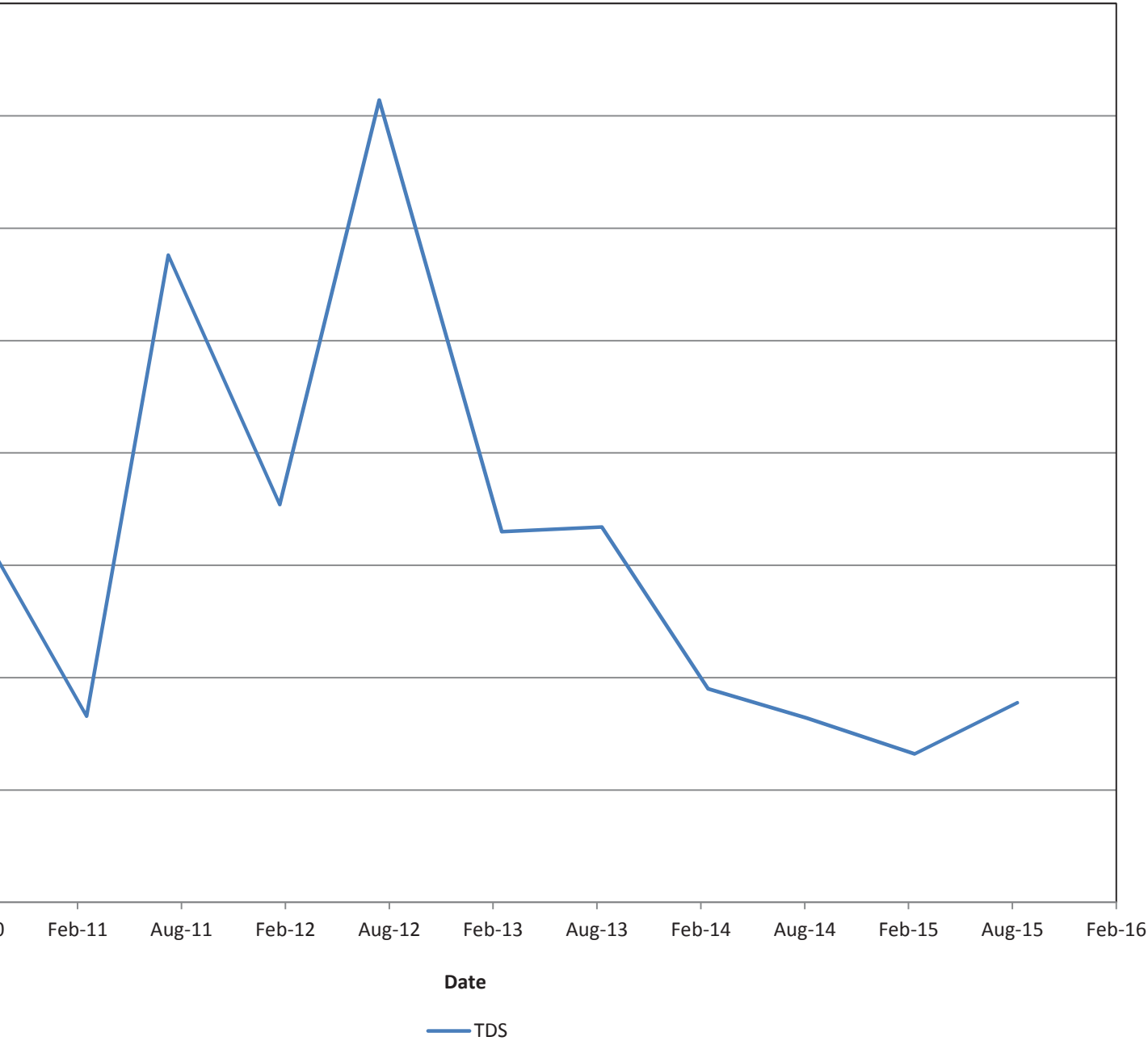
MW-18: SVOC CONCENTRATIONS OVER TIME



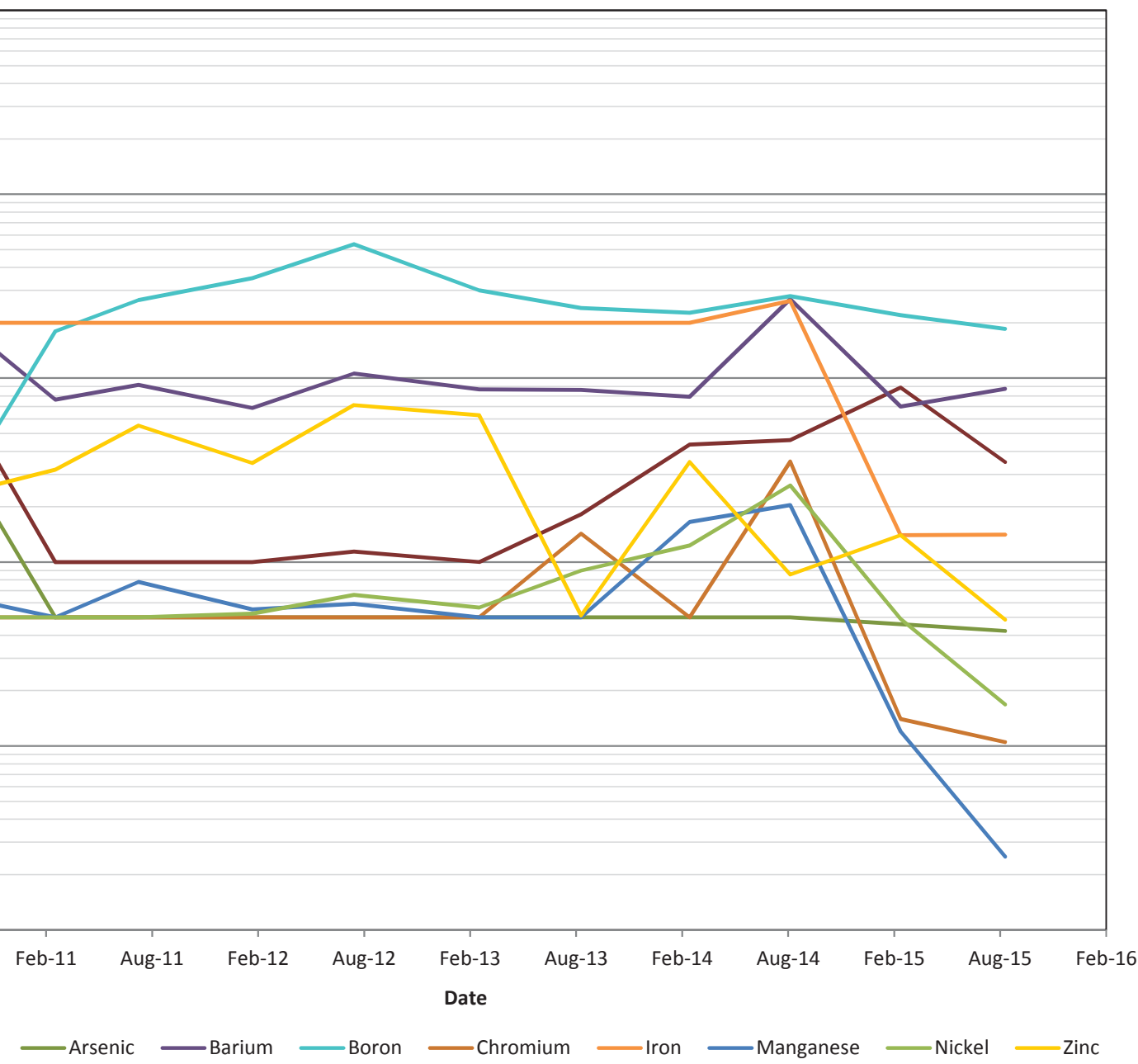
MW-19: ANION CONCENTRATIONS OVER TIME



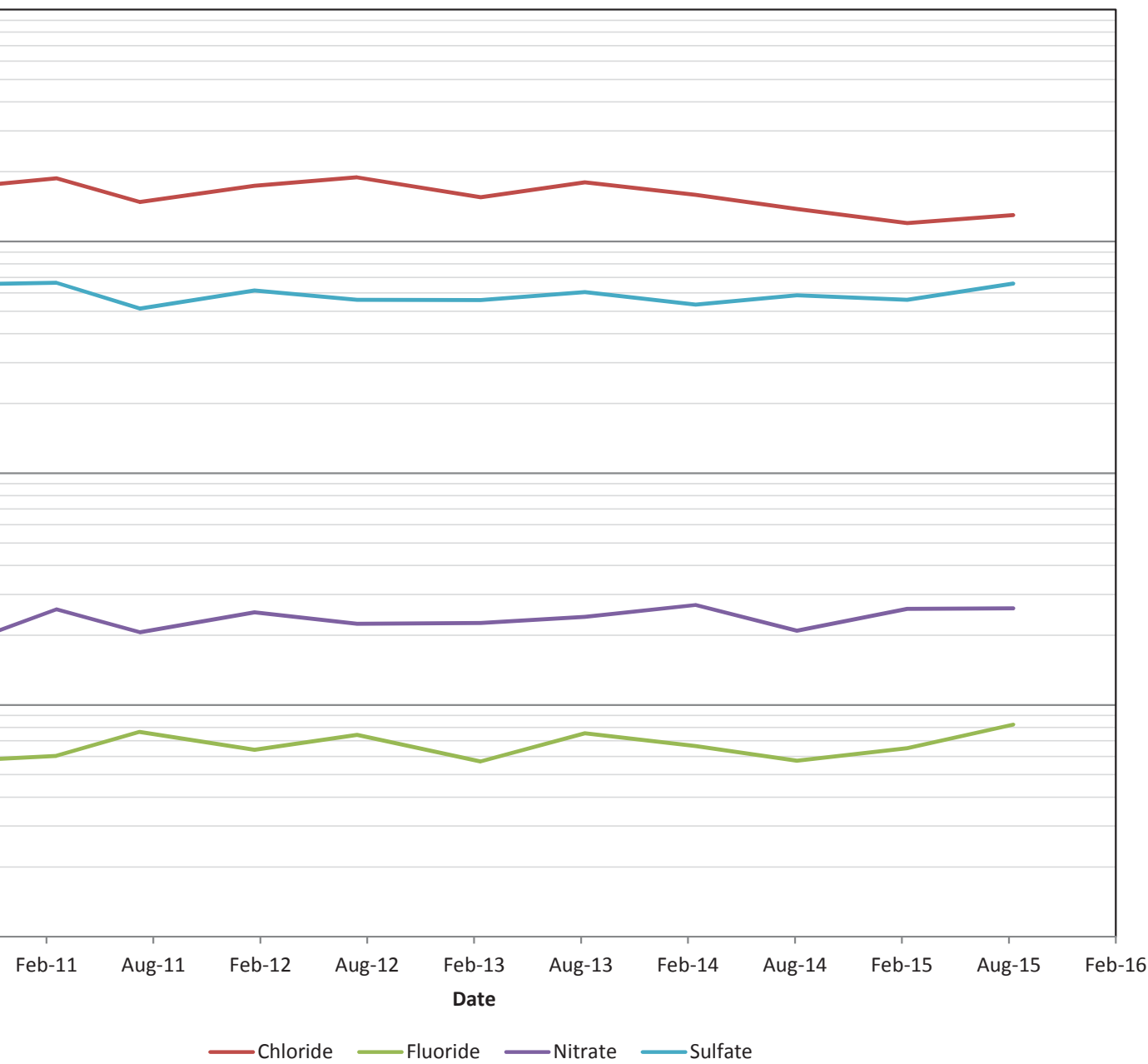
MW-19: TDS CONCENTRATIONS OVER TIME



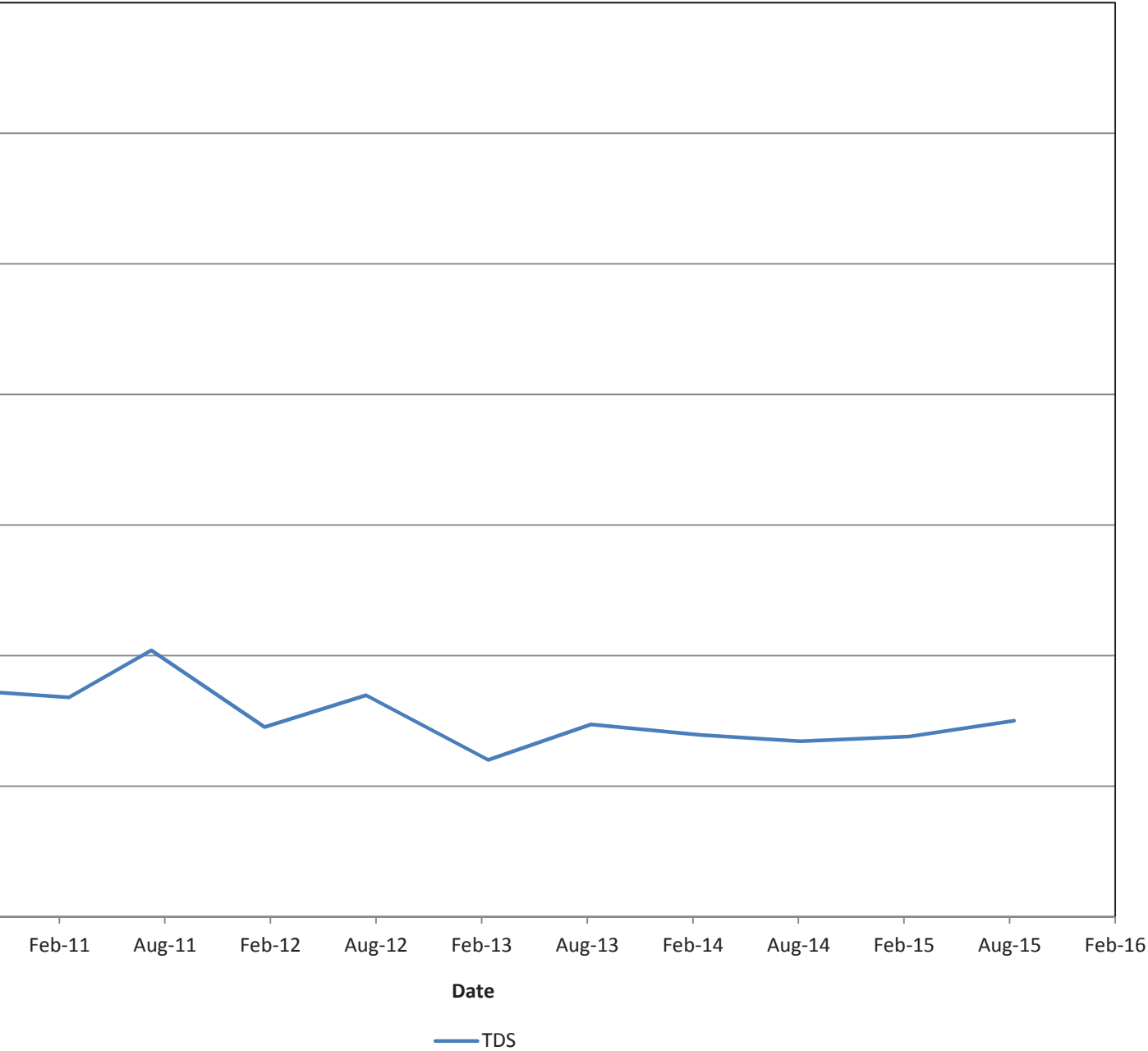
MW-19: METAL CONCENTRATIONS OVER TIME



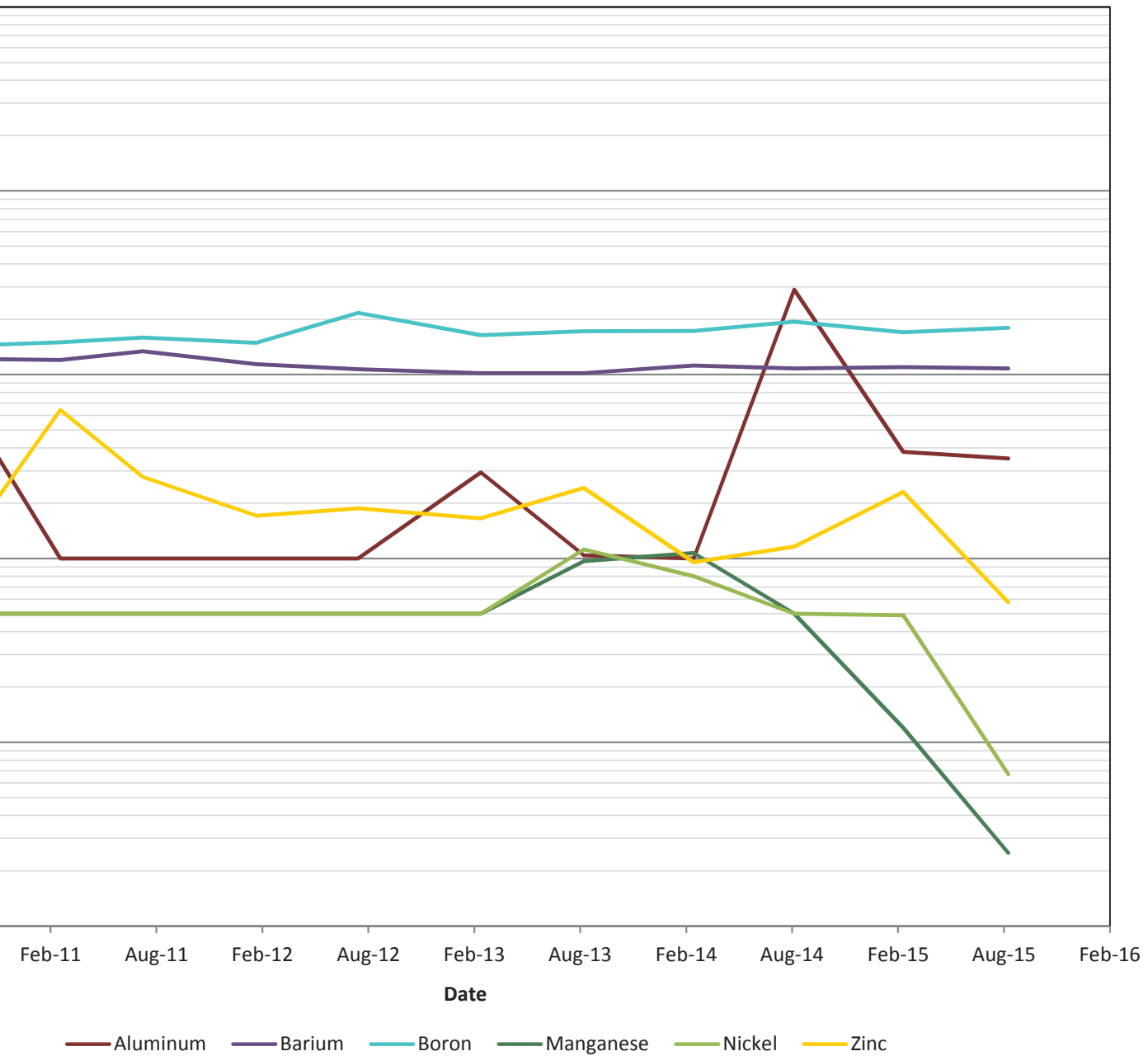
MW-20: ANION CONCENTRATIONS OVER TIME



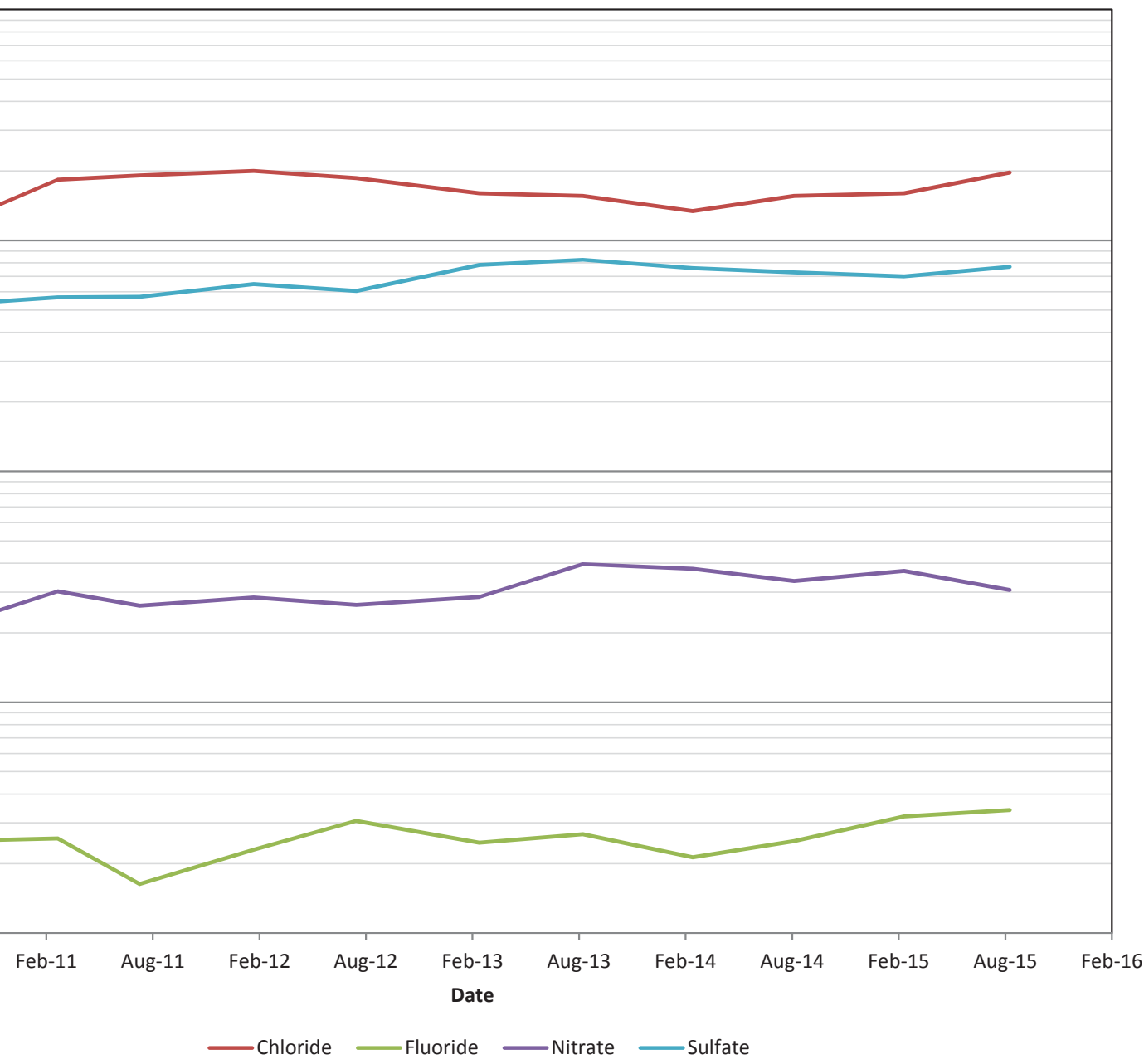
MW-20: TDS CONCENTRATIONS OVER TIME



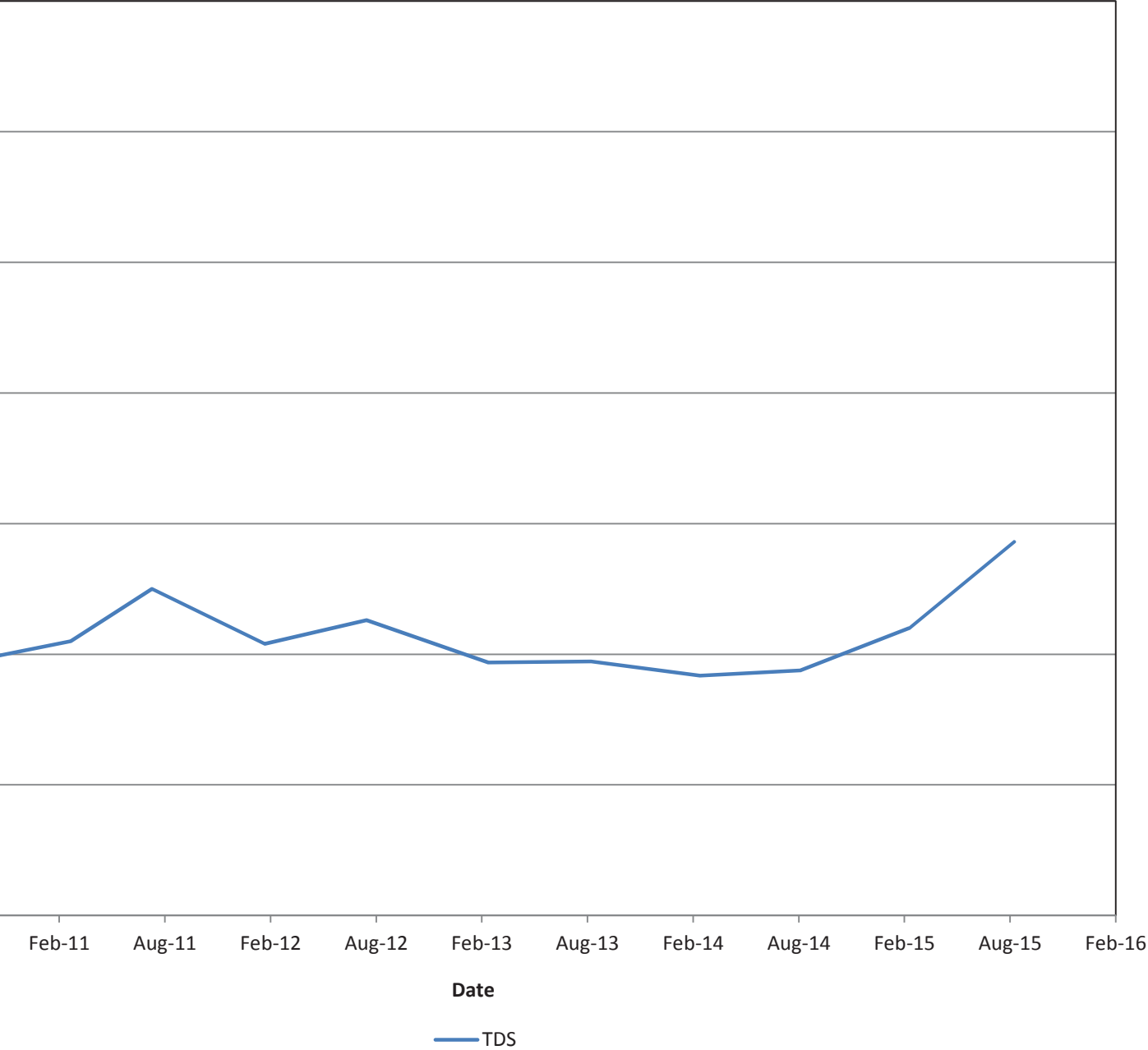
MW-20: METAL CONCENTRATIONS OVER TIME



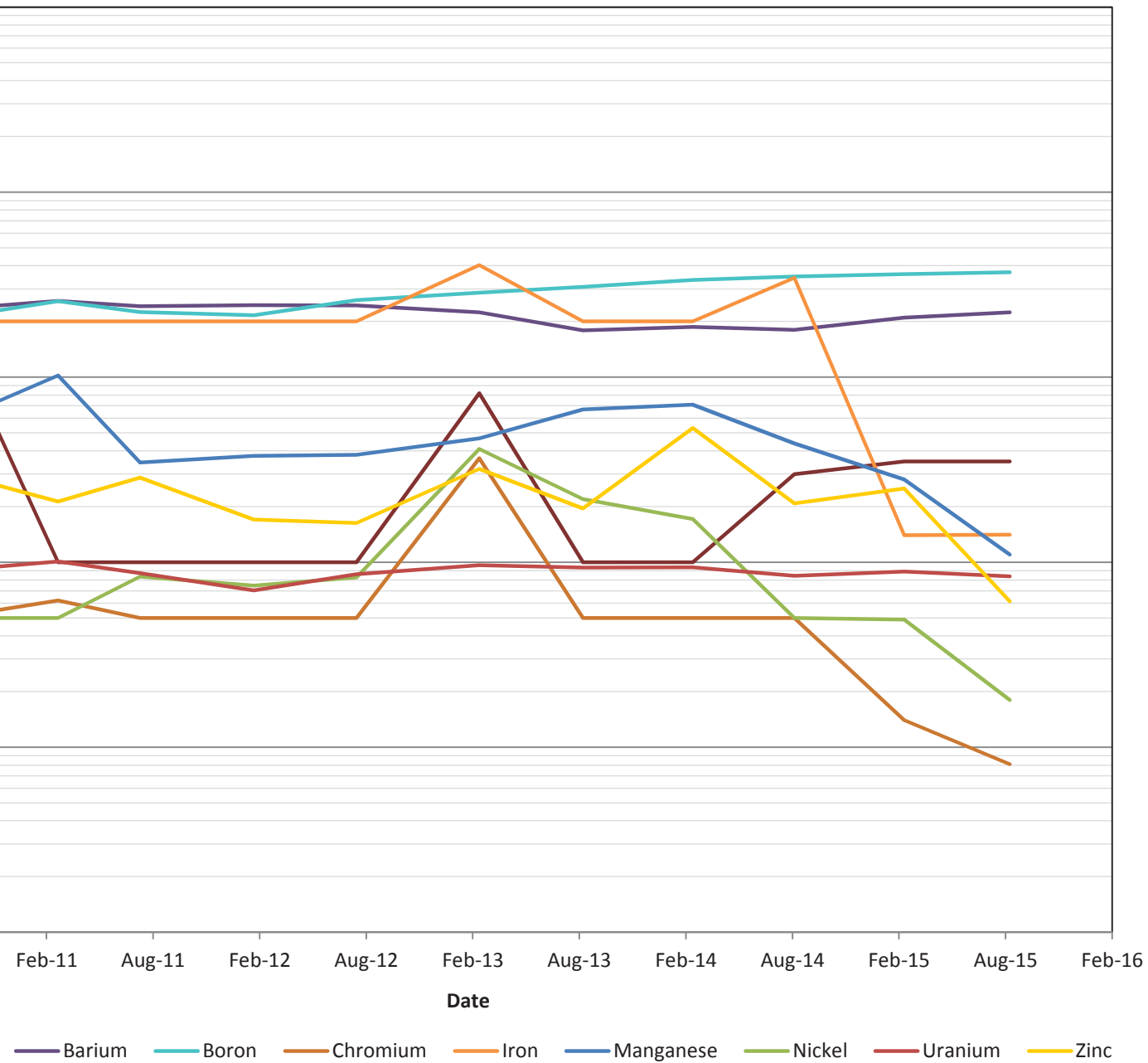
MW-21: ANION CONCENTRATIONS OVER TIME



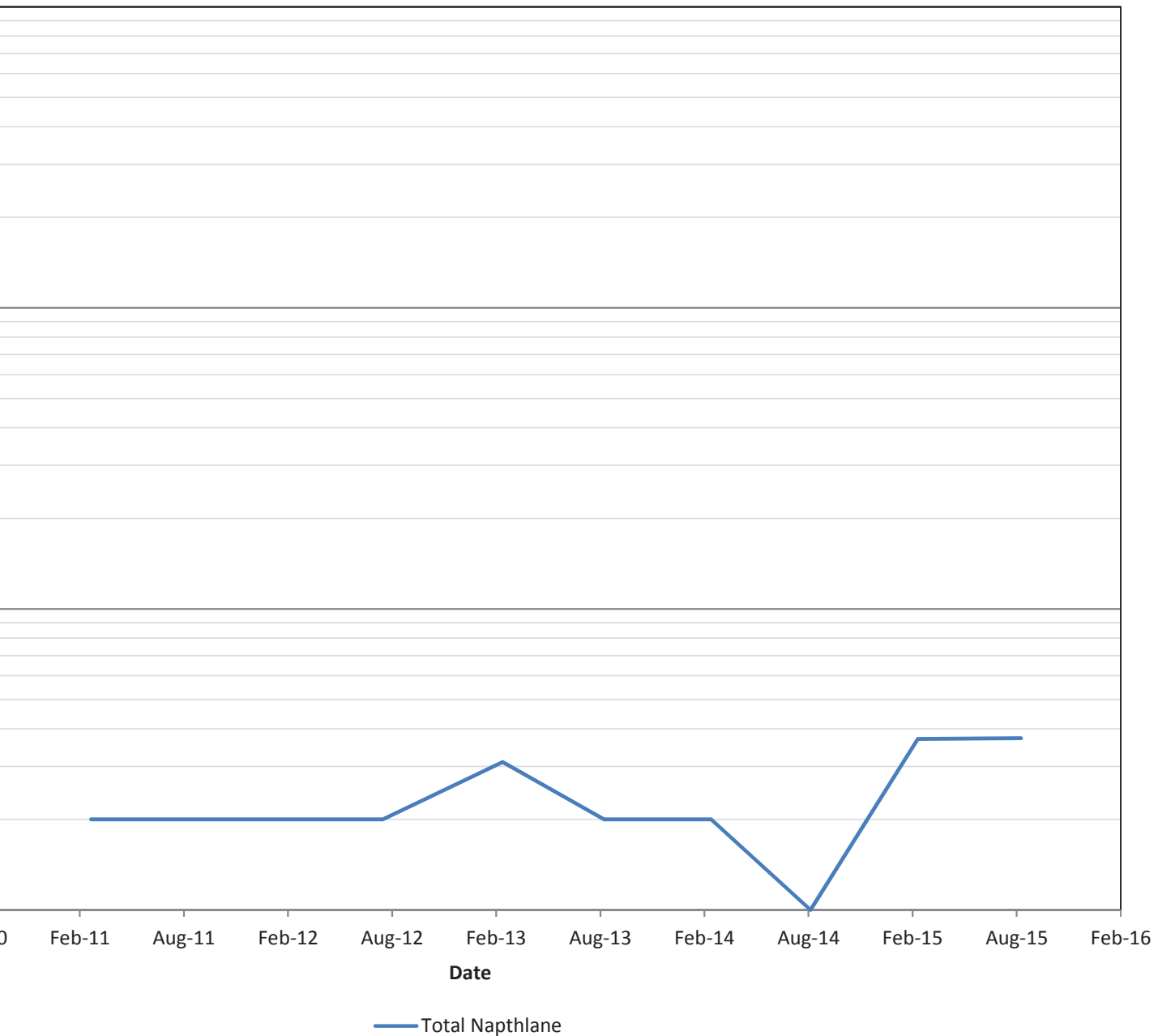
MW-21: TDS CONCENTRATIONS OVER TIME



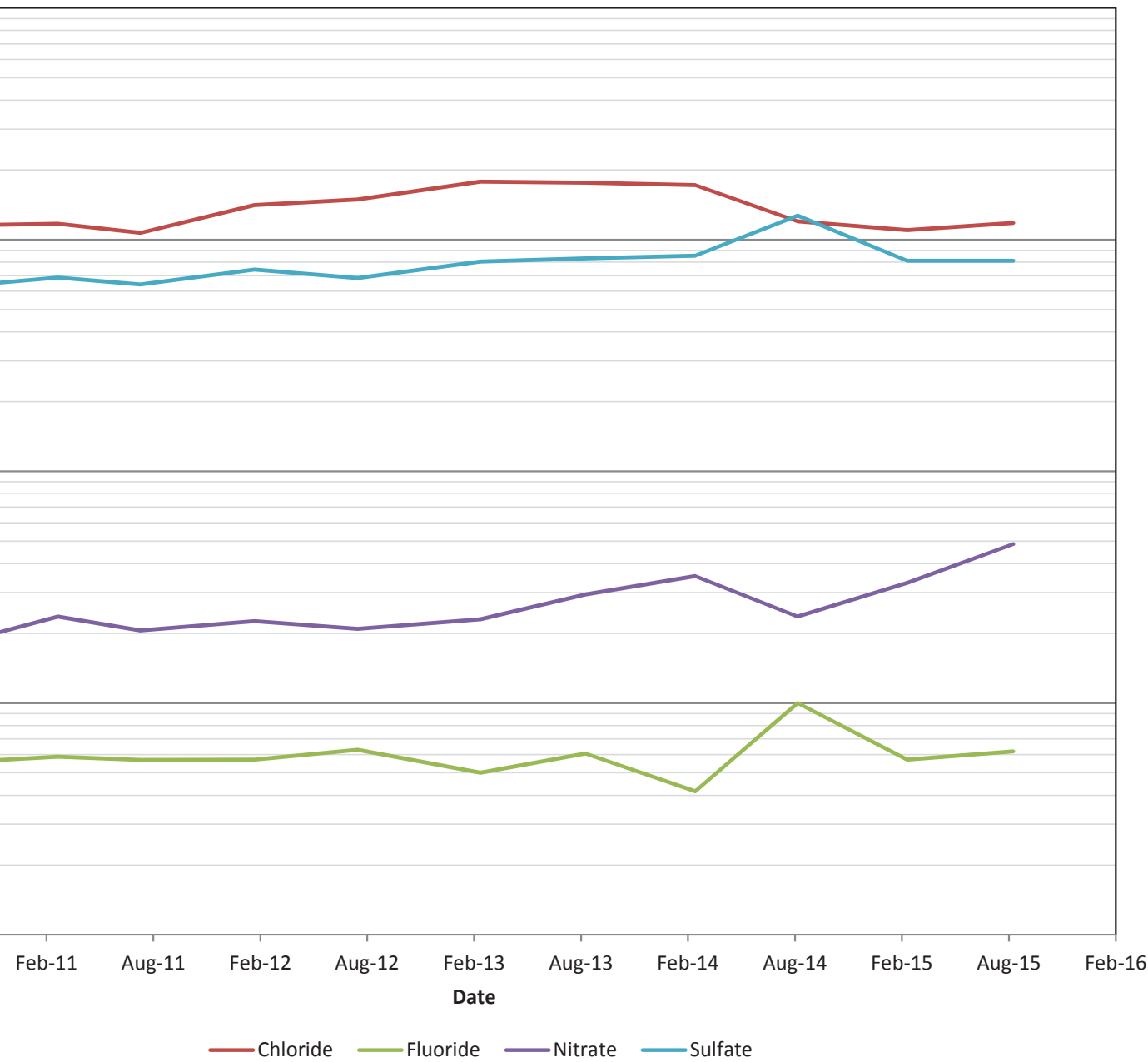
MW-21: METAL CONCENTRATIONS OVER TIME



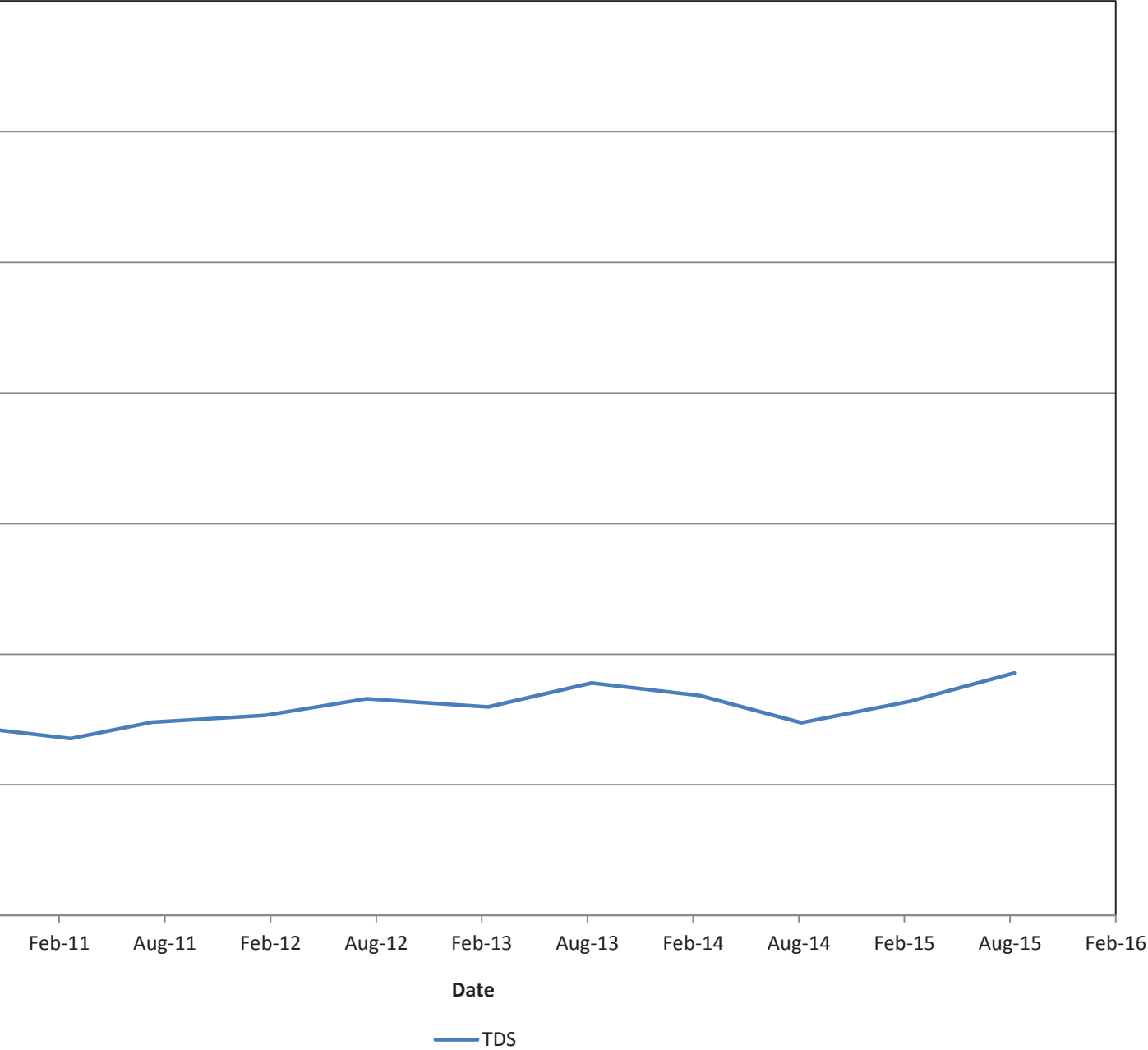
MW-21: SVOC CONCENTRATIONS OVER TIME



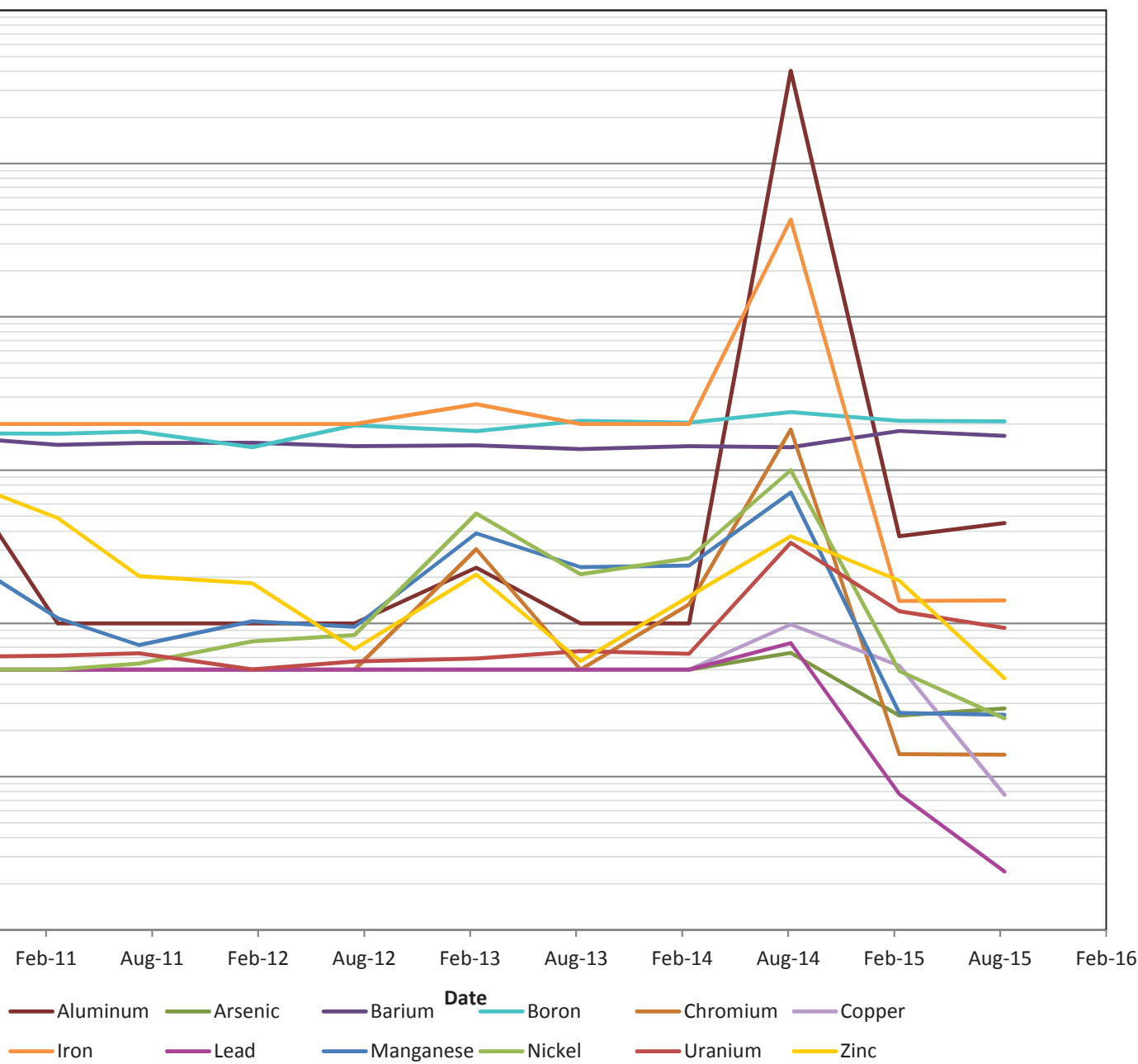
MW-22: ANION CONCENTRATIONS OVER TIME



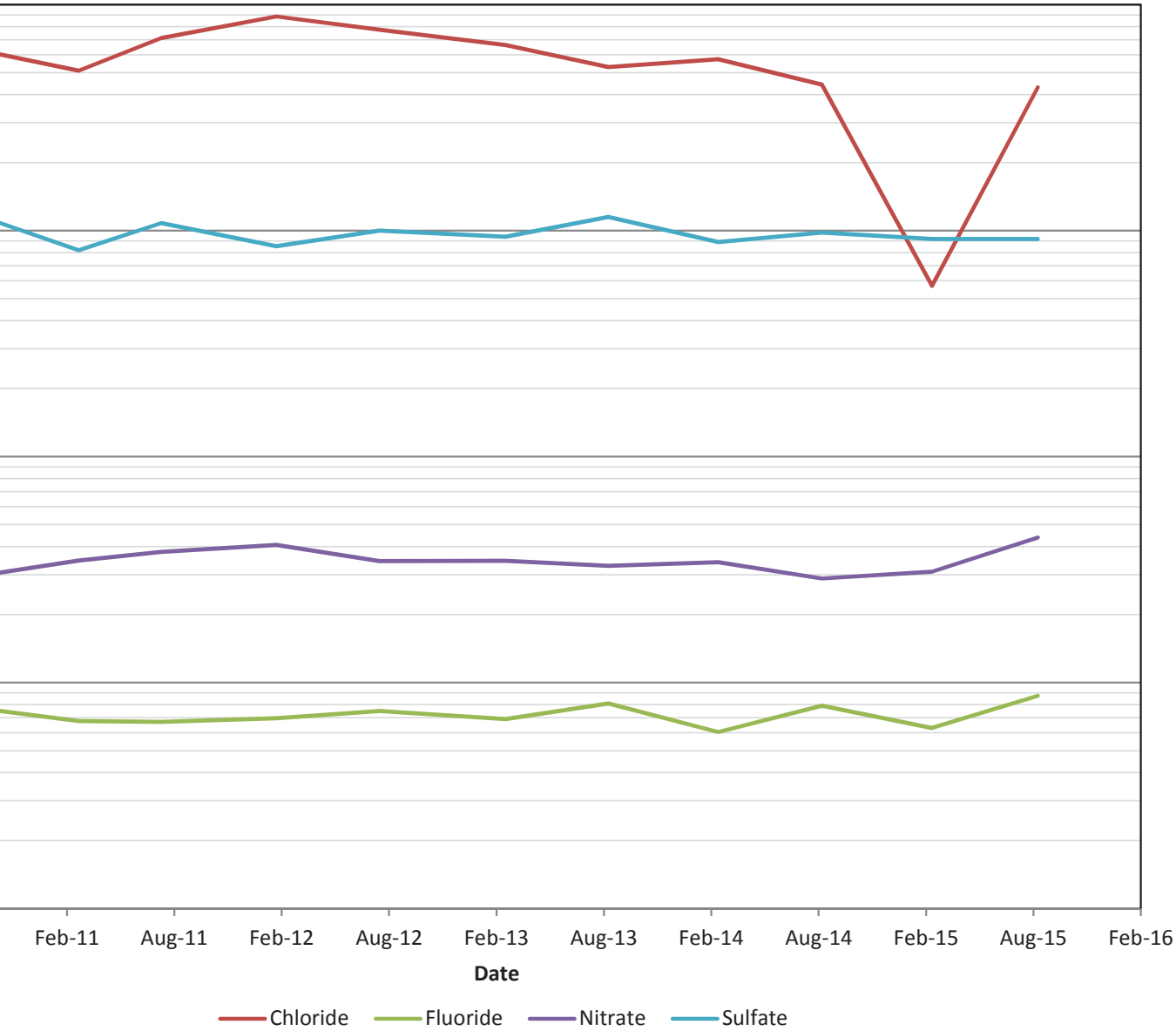
MW-22: TDS CONCENTRATIONS OVER TIME



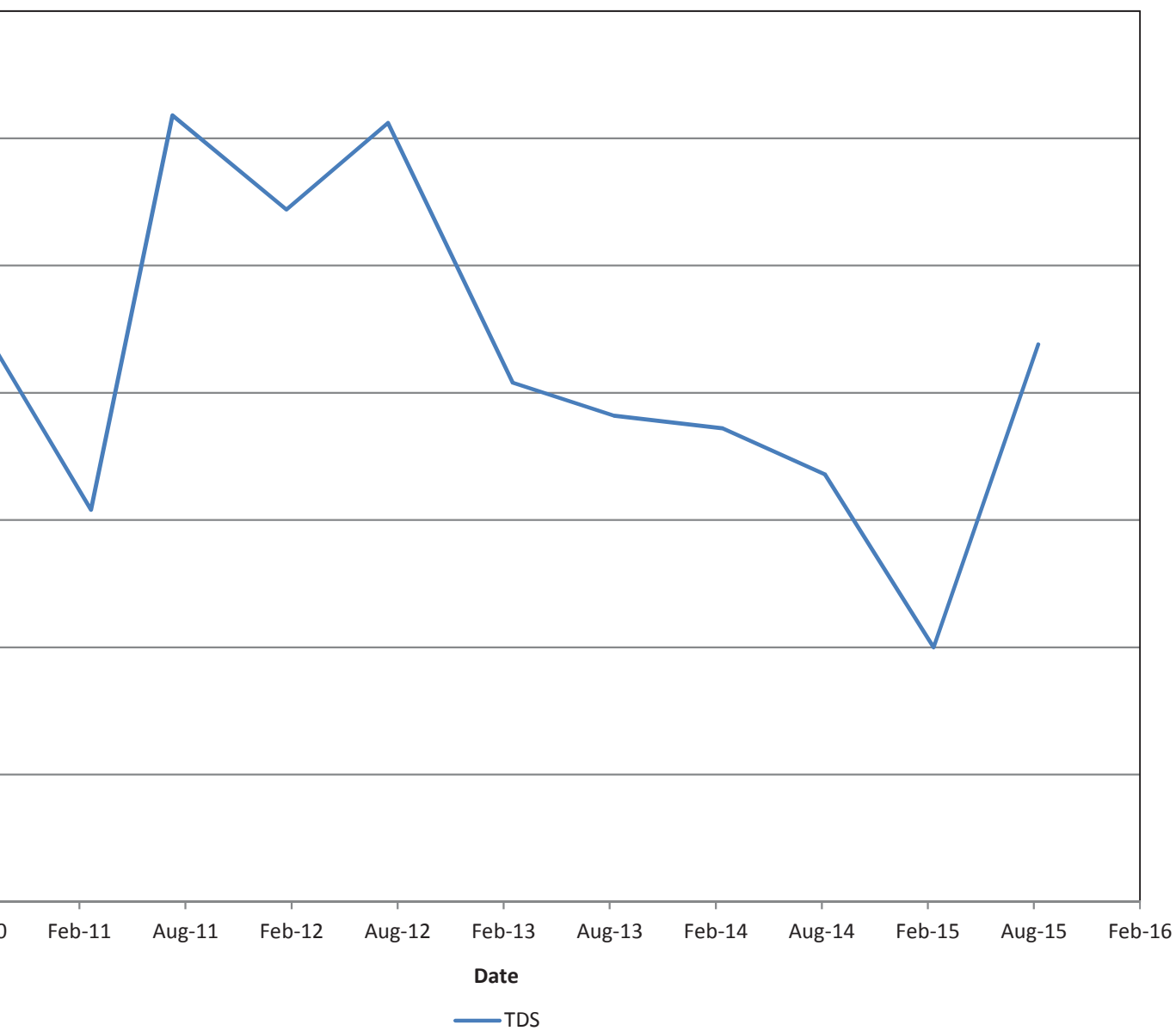
MW-22: METAL CONCENTRATIONS OVER TIME



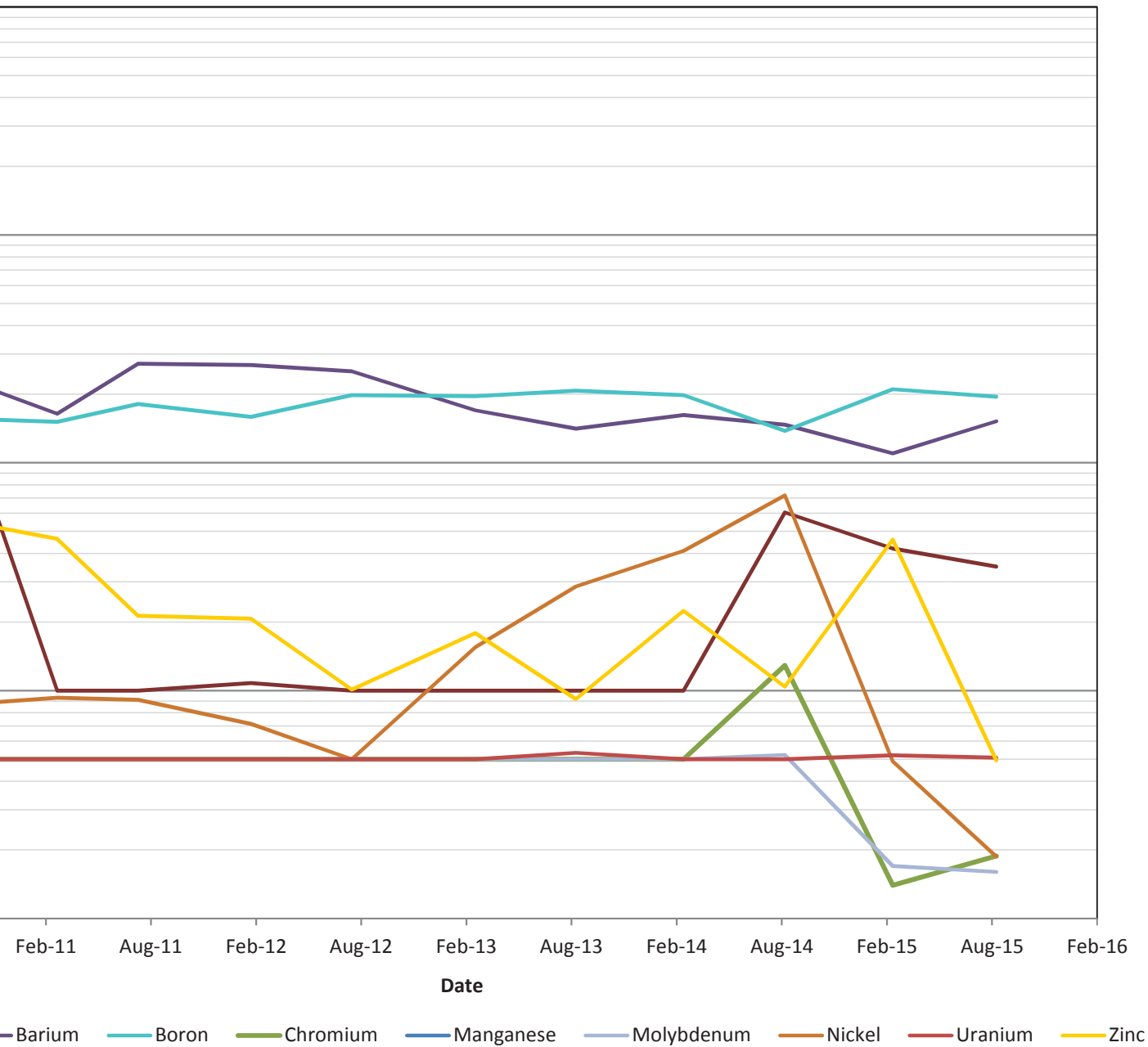
MW-23: ANION CONCENTRATIONS OVER TIME



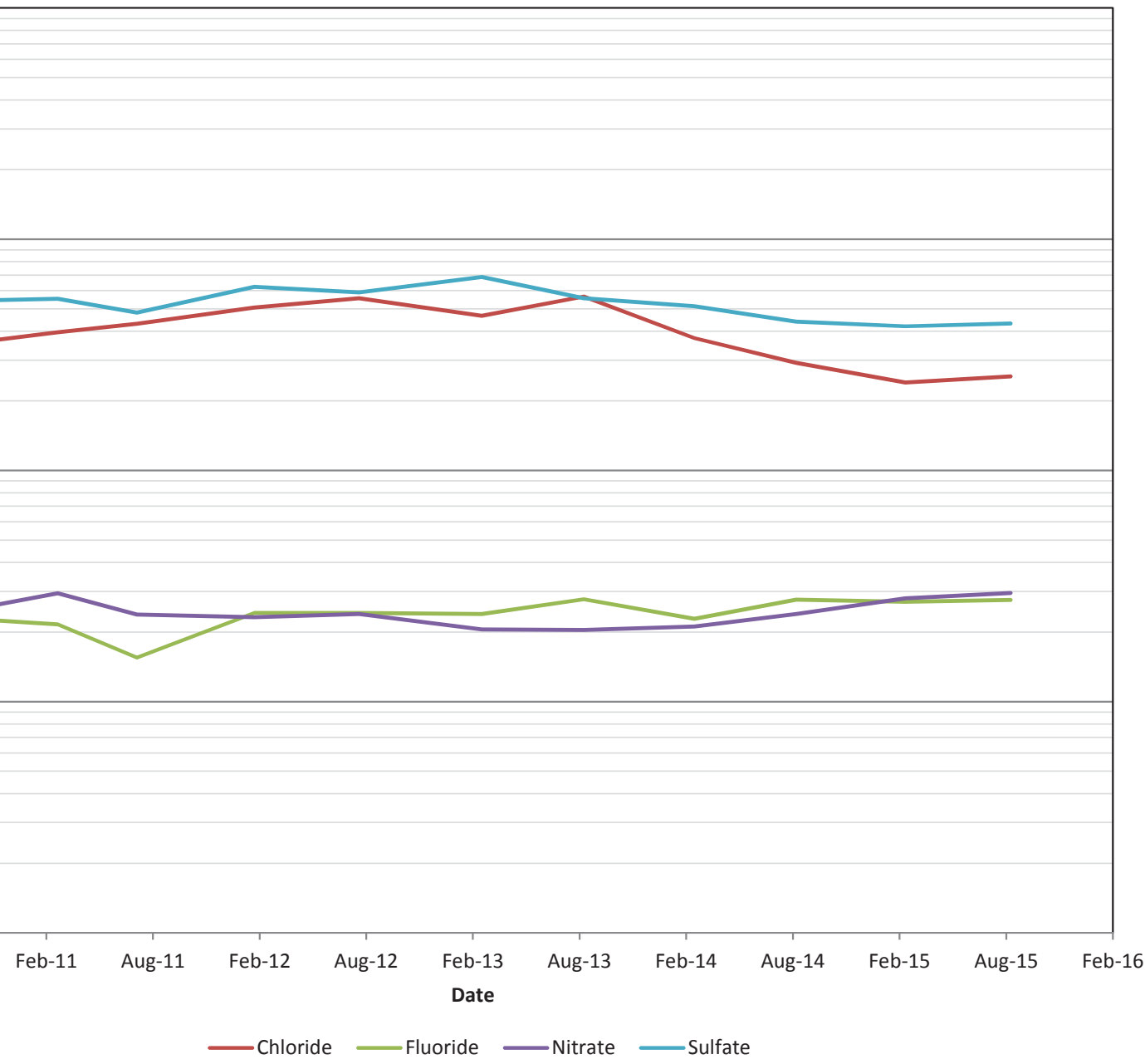
MW-23: TDS CONCENTRATIONS OVER TIME



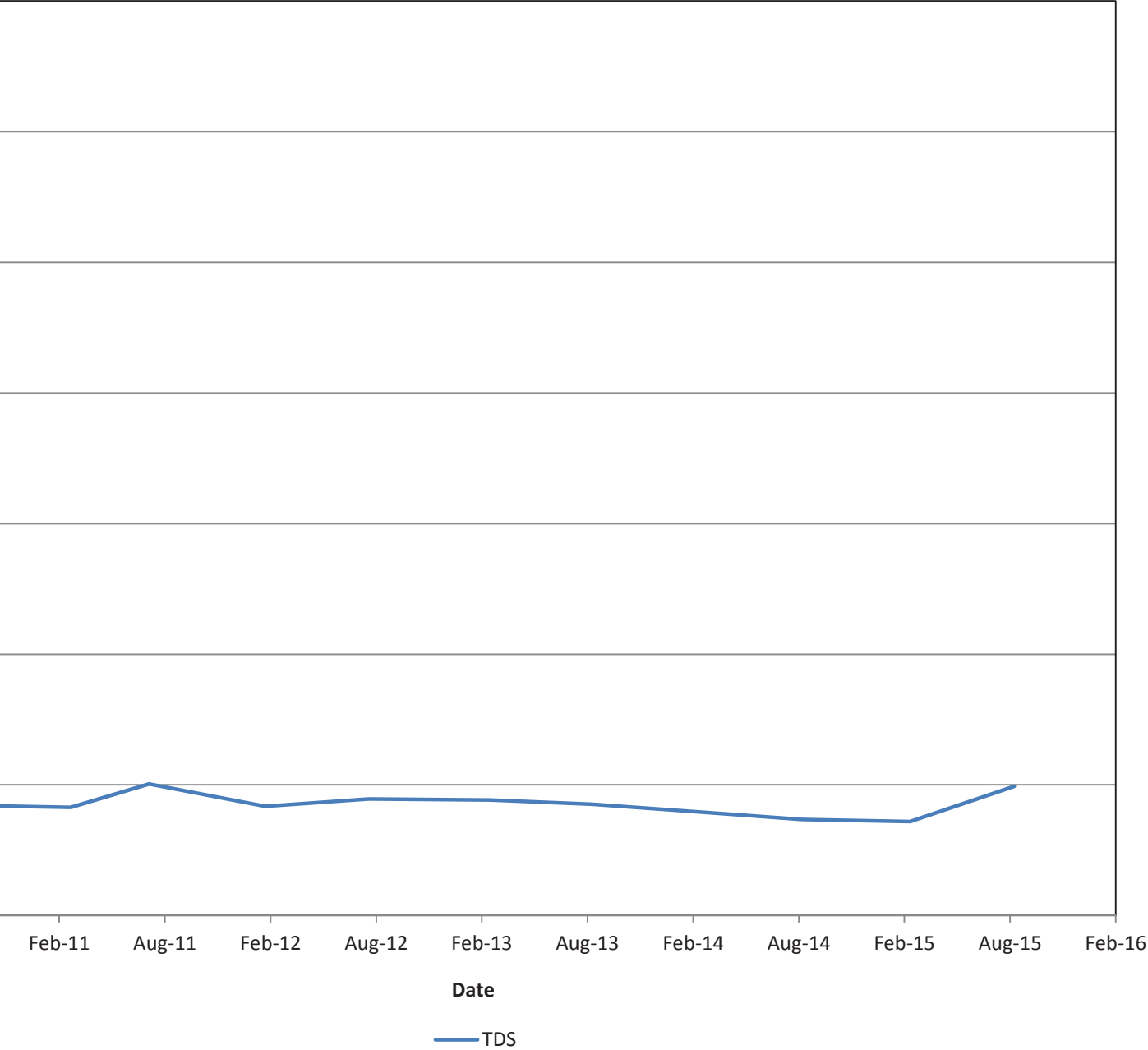
MW-23: METAL CONCENTRATIONS OVER TIME



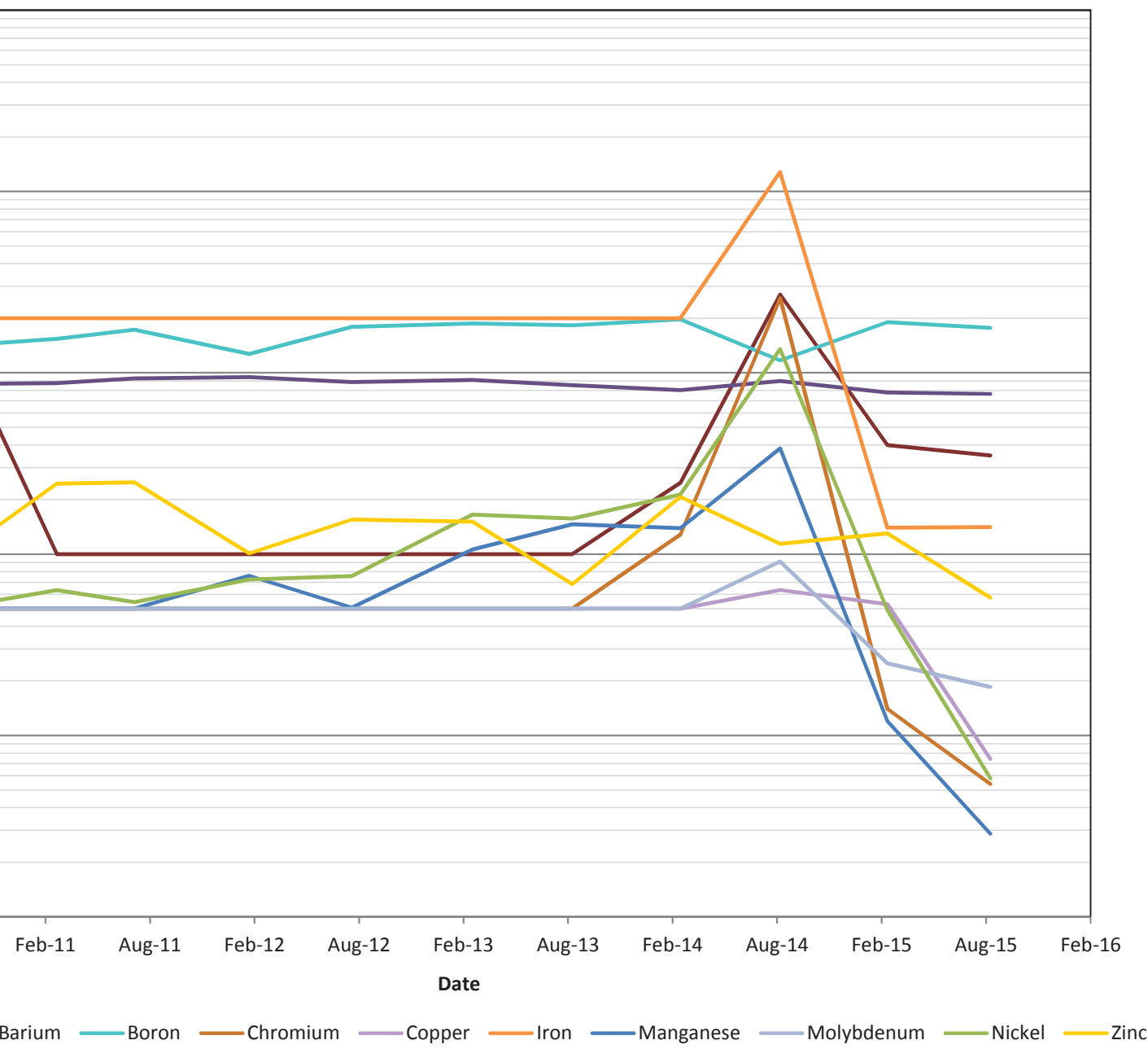
MW-24: ANION CONCENTRATIONS OVER TIME



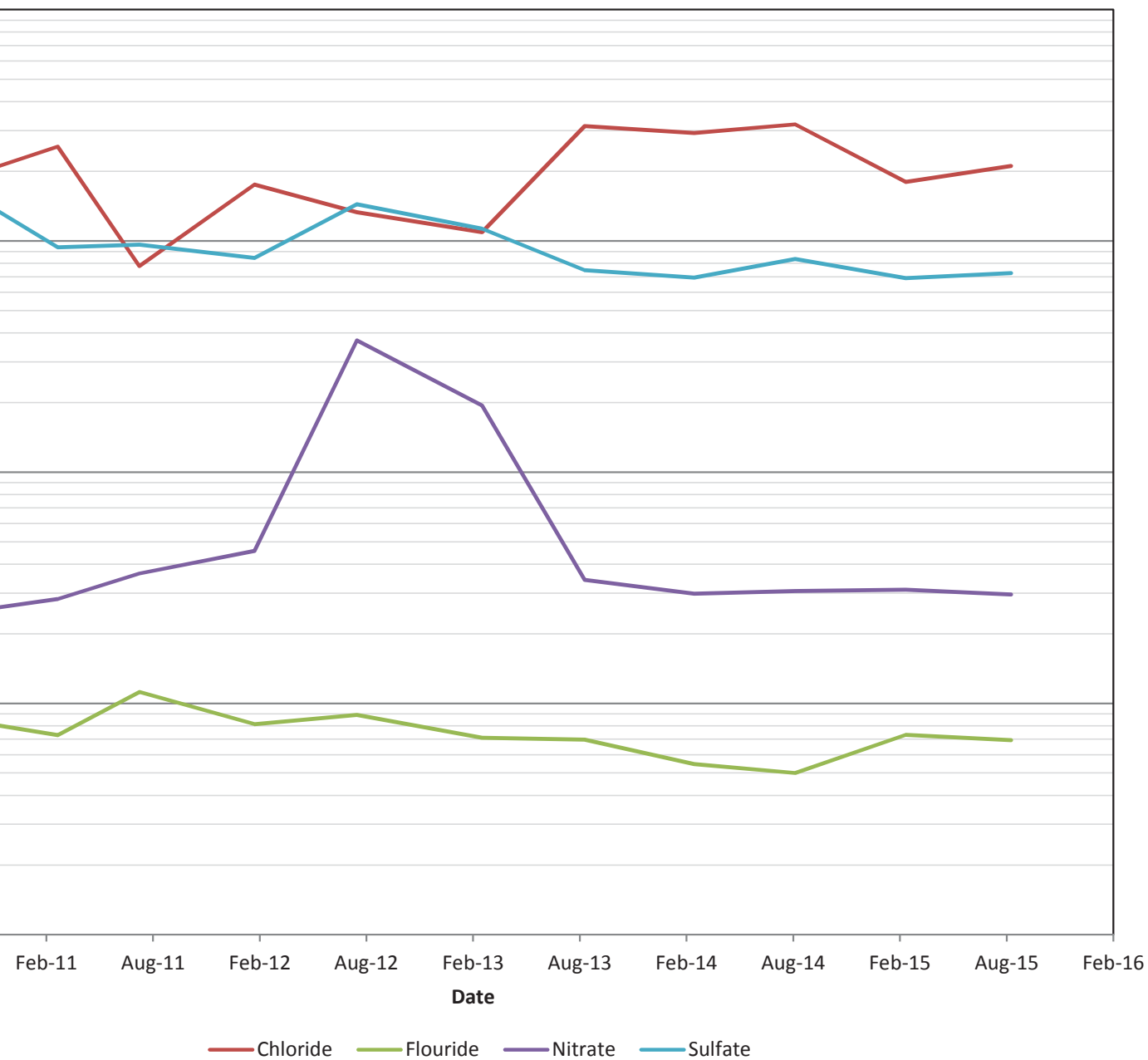
MW-24: TDS CONCENTRATIONS OVER TIME



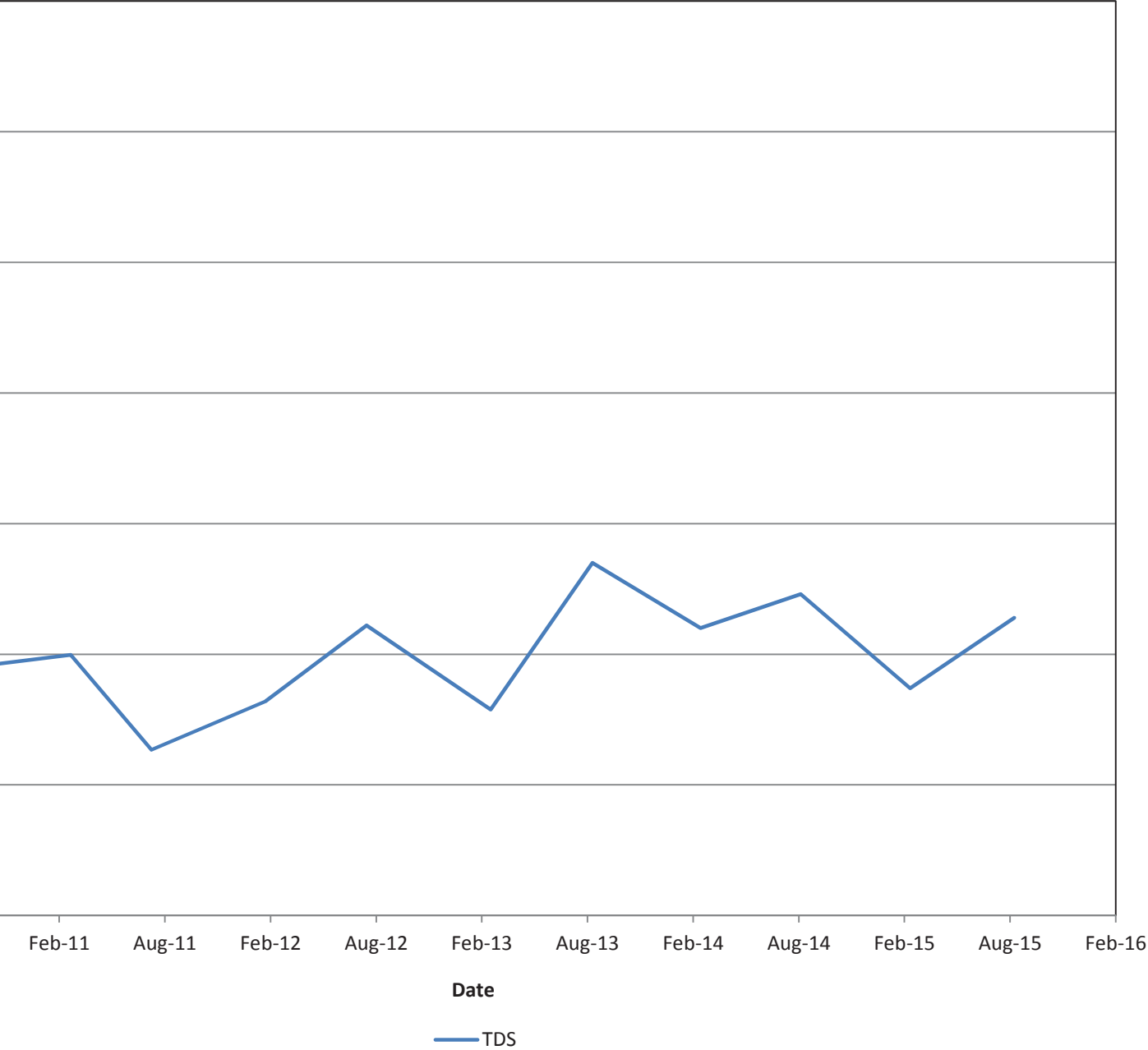
MW-24: METAL CONCENTRATIONS OVER TIME



MW-25: ANION CONCENTRATIONS OVER TIME



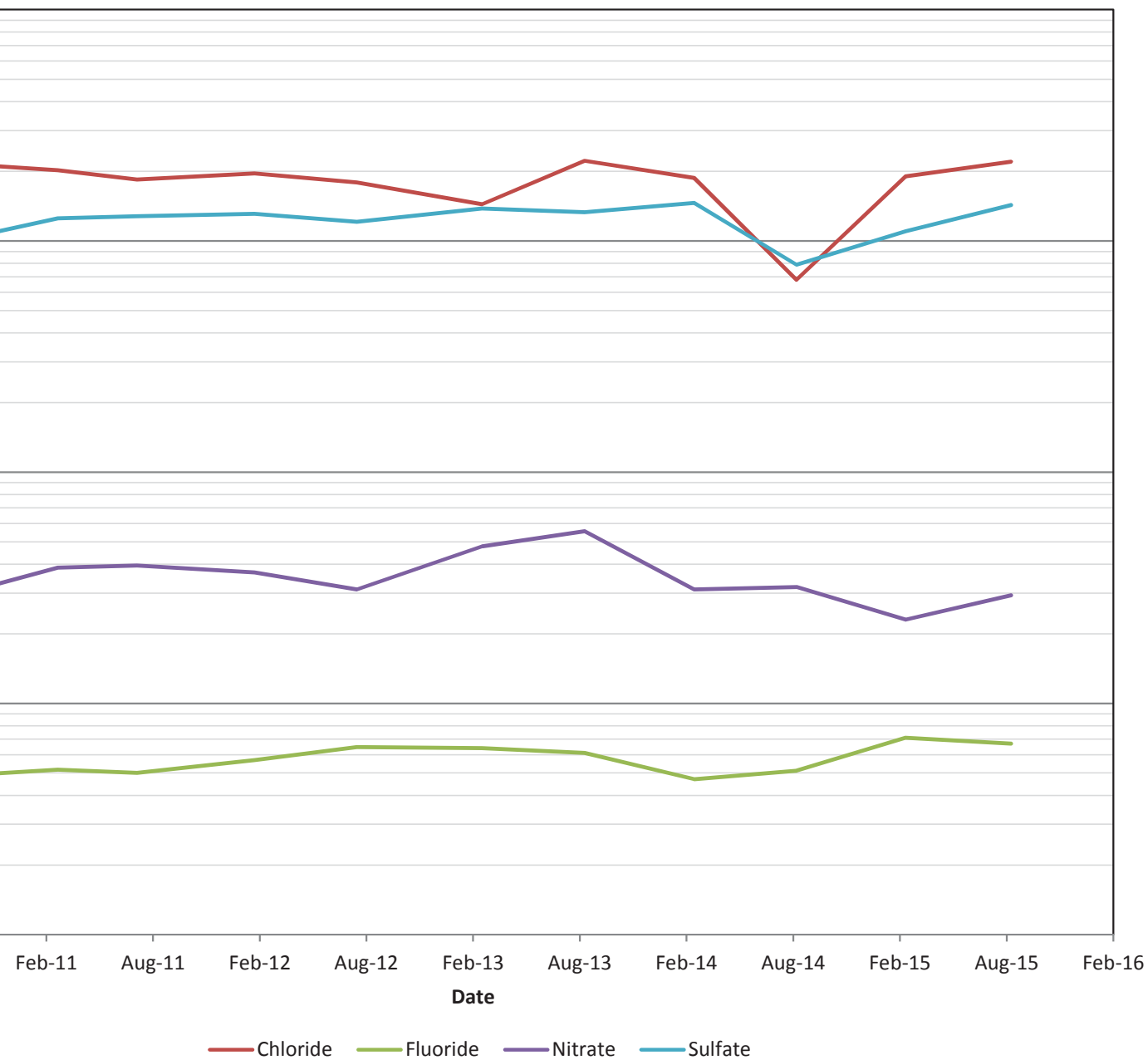
MW-25: TDS CONCENTRATIONS OVER TIME



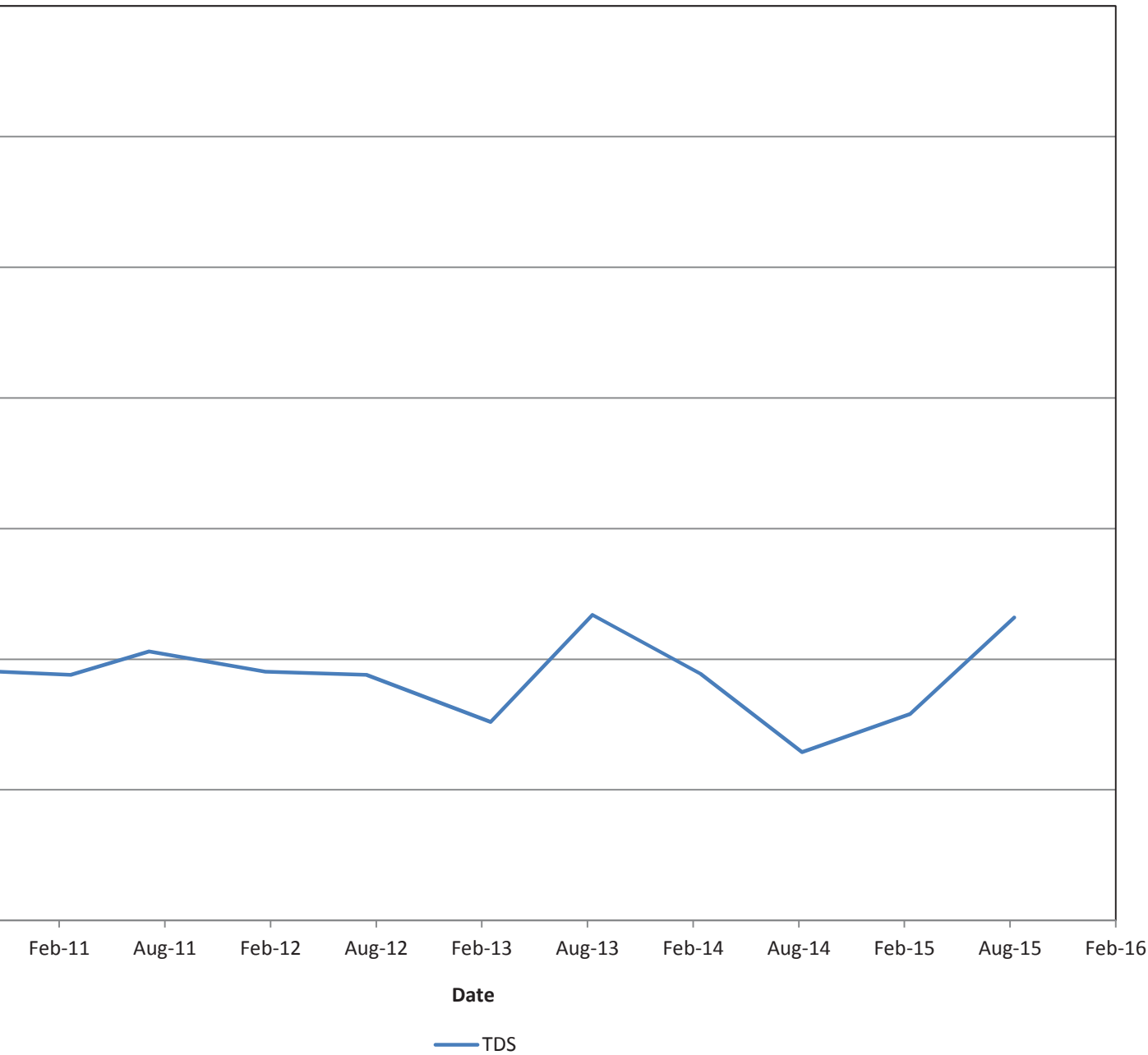
The chart displays the price index for ten metals over a five-year period. The metals tracked are Boron, Chromium, Copper, Iron, Manganese, Molybdenum, Nickel, Uranium, and Zinc. The price index is normalized to 100 in February 2011. The data shows a period of relative stability until early 2014, followed by a sharp increase in August 2014, peaking around 100-110 for most metals. After this peak, most metals experienced a significant decline, with some metals like Manganese and Molybdenum dropping below the 100 index by February 2016. Iron and Uranium, however, maintained higher price levels after the initial decline, ending around 80 and 70 respectively in August 2015.

Date	Boron	Chromium	Copper	Iron	Manganese	Molybdenum	Nickel	Uranium	Zinc
Feb-11	100	100	100	100	100	100	100	100	100
Aug-11	98	100	100	100	95	100	100	100	95
Feb-12	98	100	105	100	100	100	100	100	98
Aug-12	102	100	98	100	95	100	95	100	100
Feb-13	103	100	95	100	100	100	95	100	105
Aug-13	105	100	102	100	102	100	105	100	95
Feb-14	102	100	102	100	98	100	98	100	98
Aug-14	105	100	102	110	105	102	105	105	100
Feb-15	102	100	102	80	85	102	95	90	95
Aug-15	100	100	105	80	85	102	95	70	95
Feb-16	100	100	105	80	85	102	95	70	95

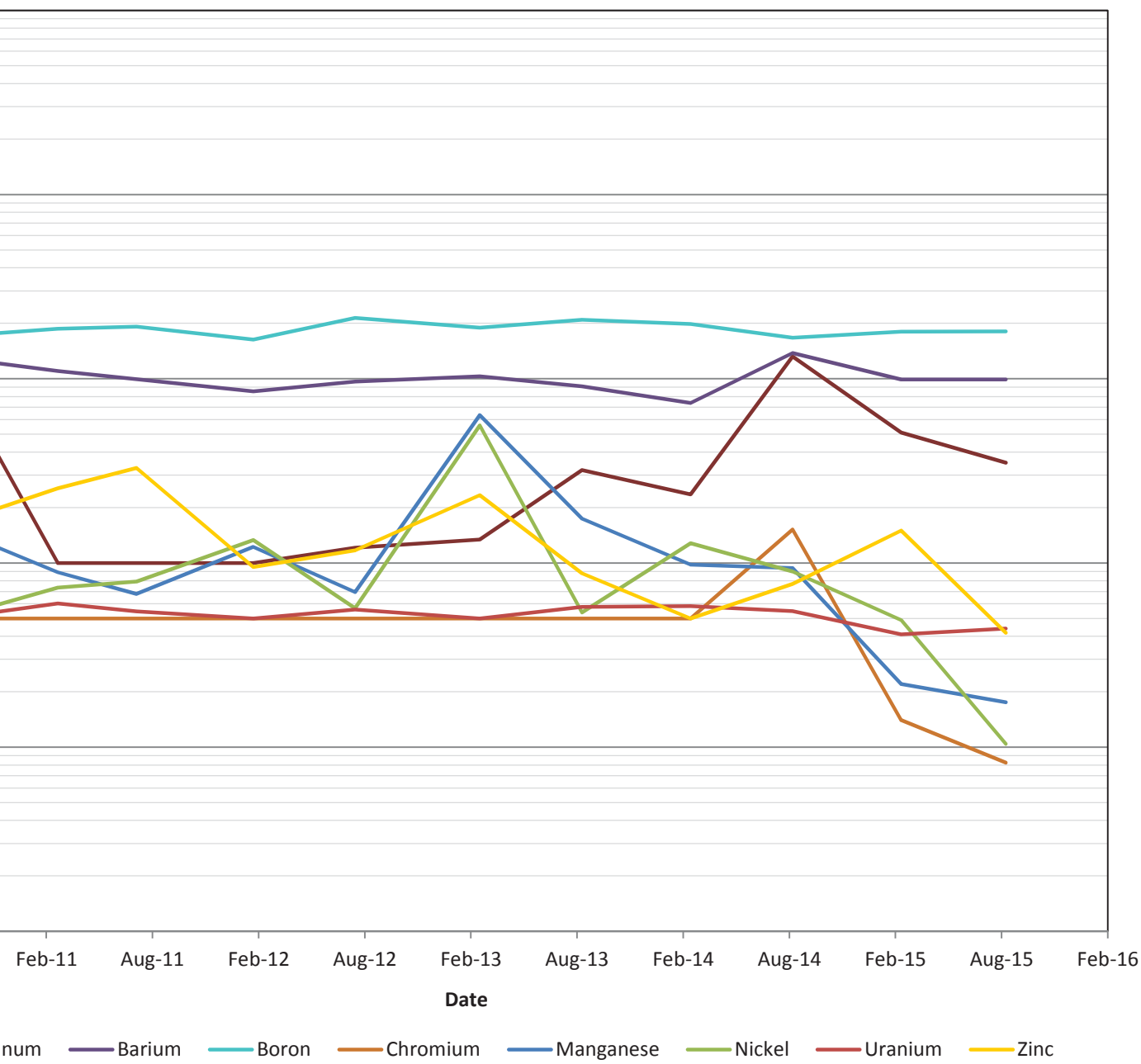
MW-26: ANION CONCENTRATIONS OVER TIME



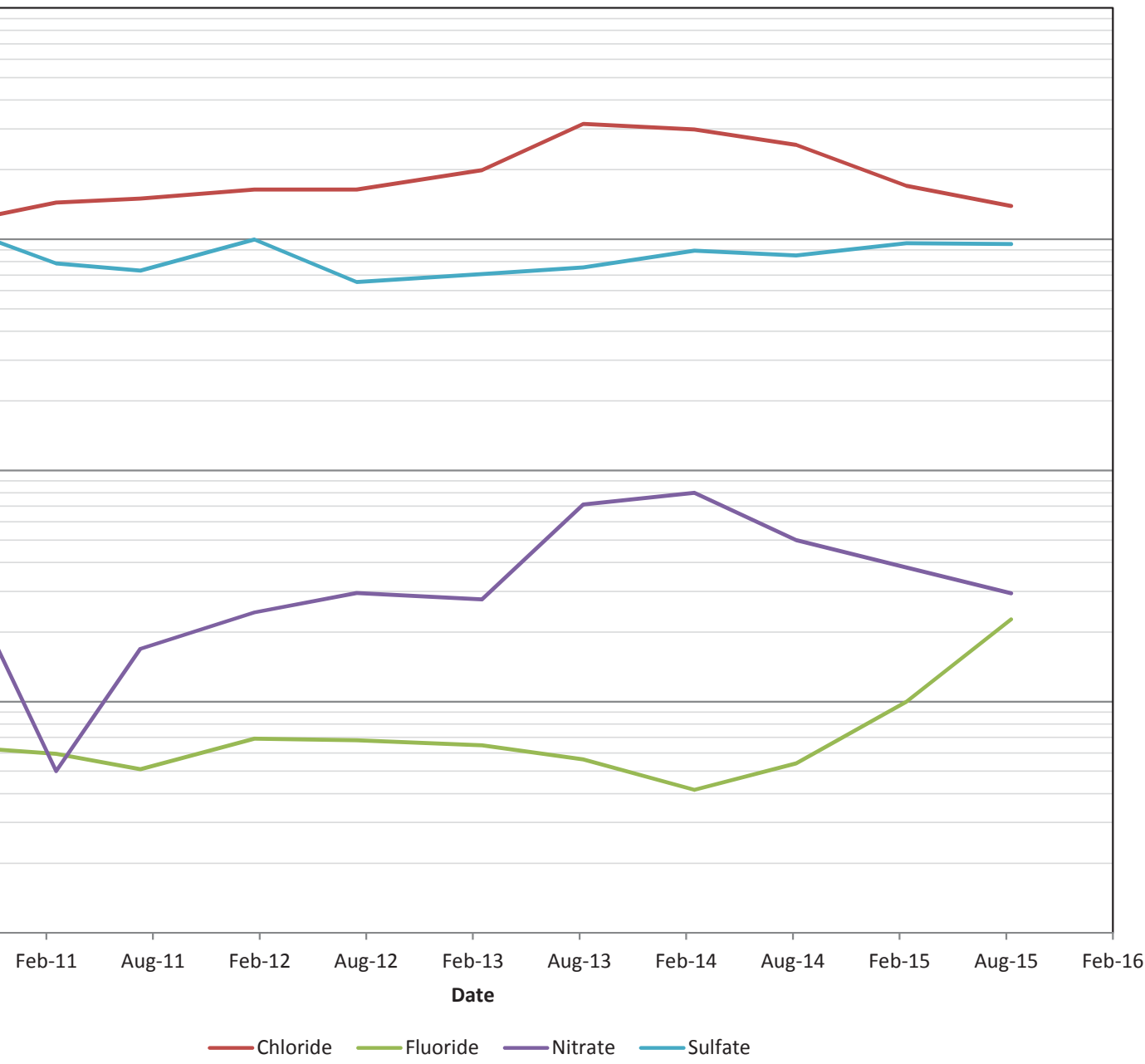
MW-26: TDS CONCENTRATIONS OVER TIME



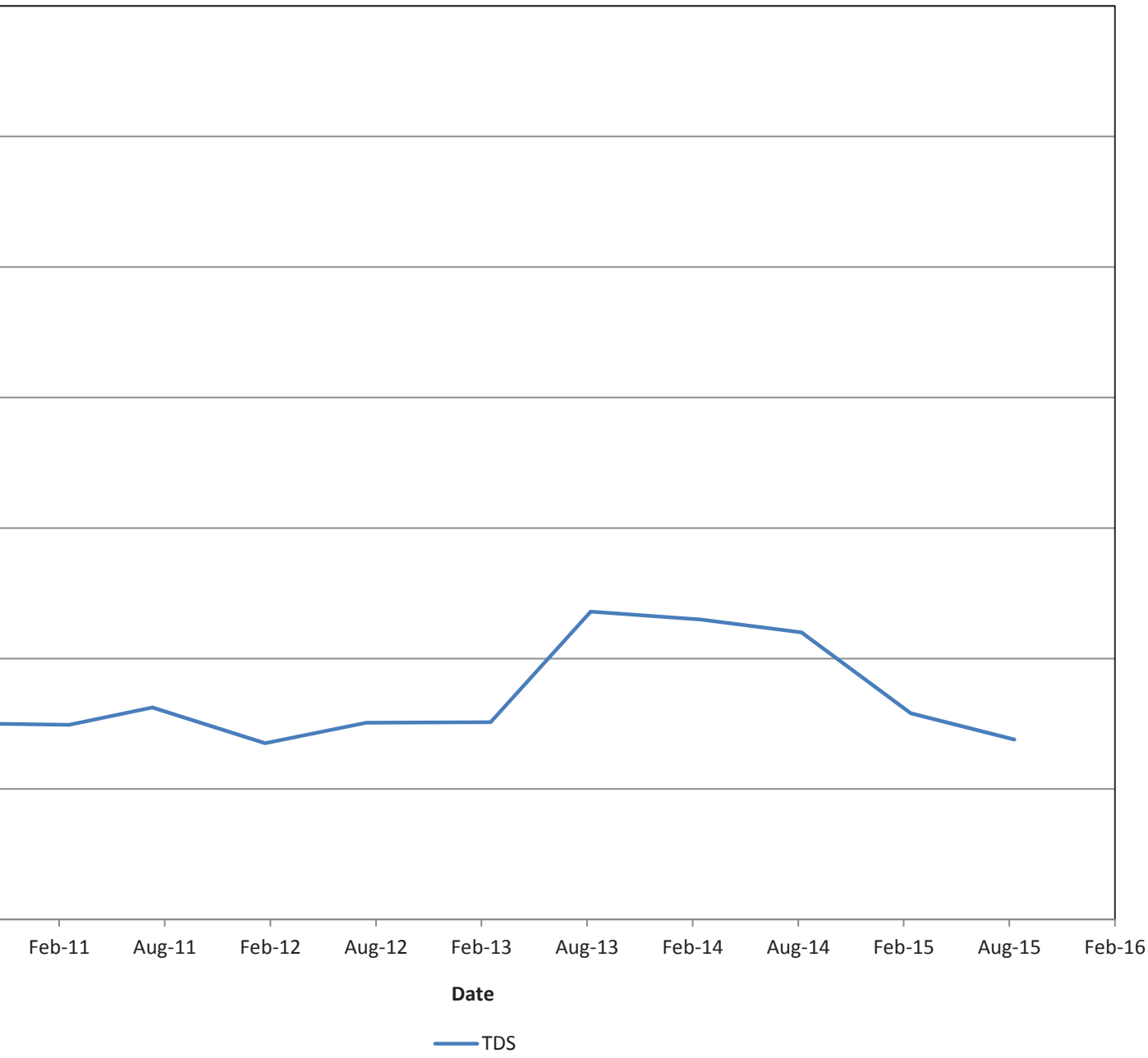
MW-26: METAL CONCENTRATIONS OVER TIME



MW-27: ANION CONCENTRATIONS OVER TIME



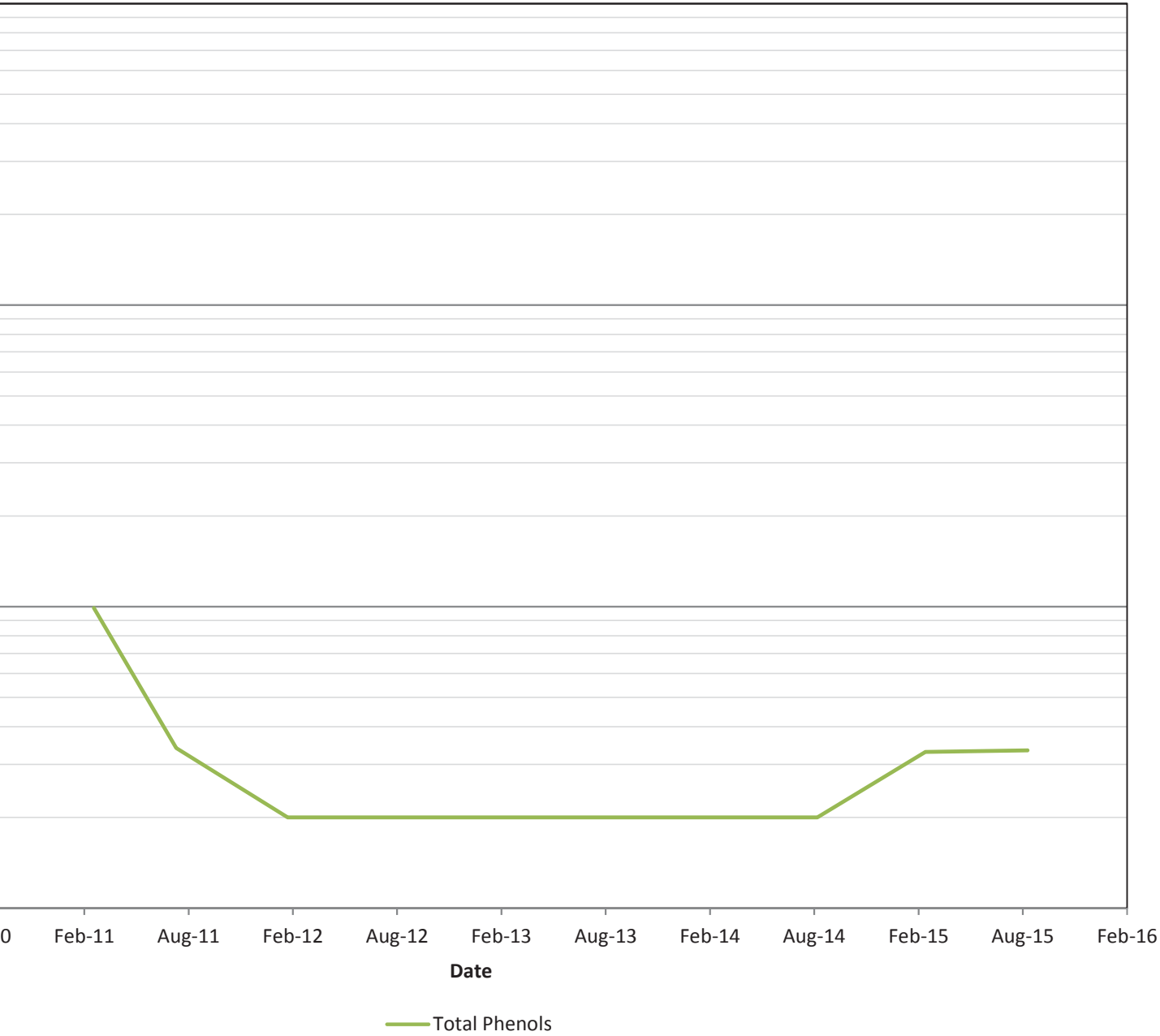
MW-27: TDS CONCENTRATIONS OVER TIME



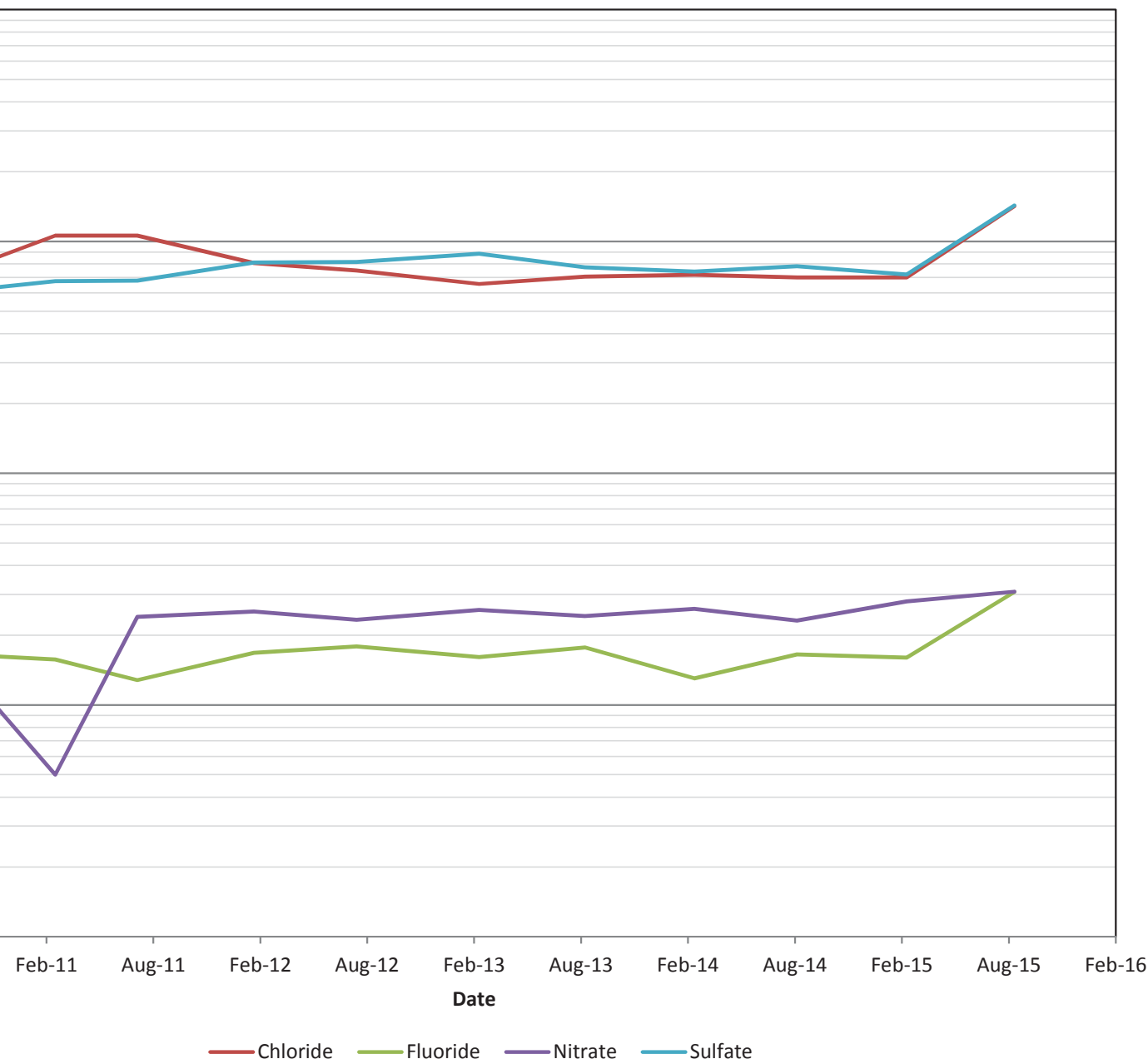
The chart displays ten distinct data series, each represented by a solid line of a different color. The series are plotted against a background of horizontal grid lines. The lines show various trends, including peaks, troughs, and fluctuations across the chart area. The colors used are orange, teal, purple, yellow, green, blue, brown, red, light blue, and dark blue.

Barium Boron Chromium Iron Manganese Molybdenum Nickel Uranium Zinc

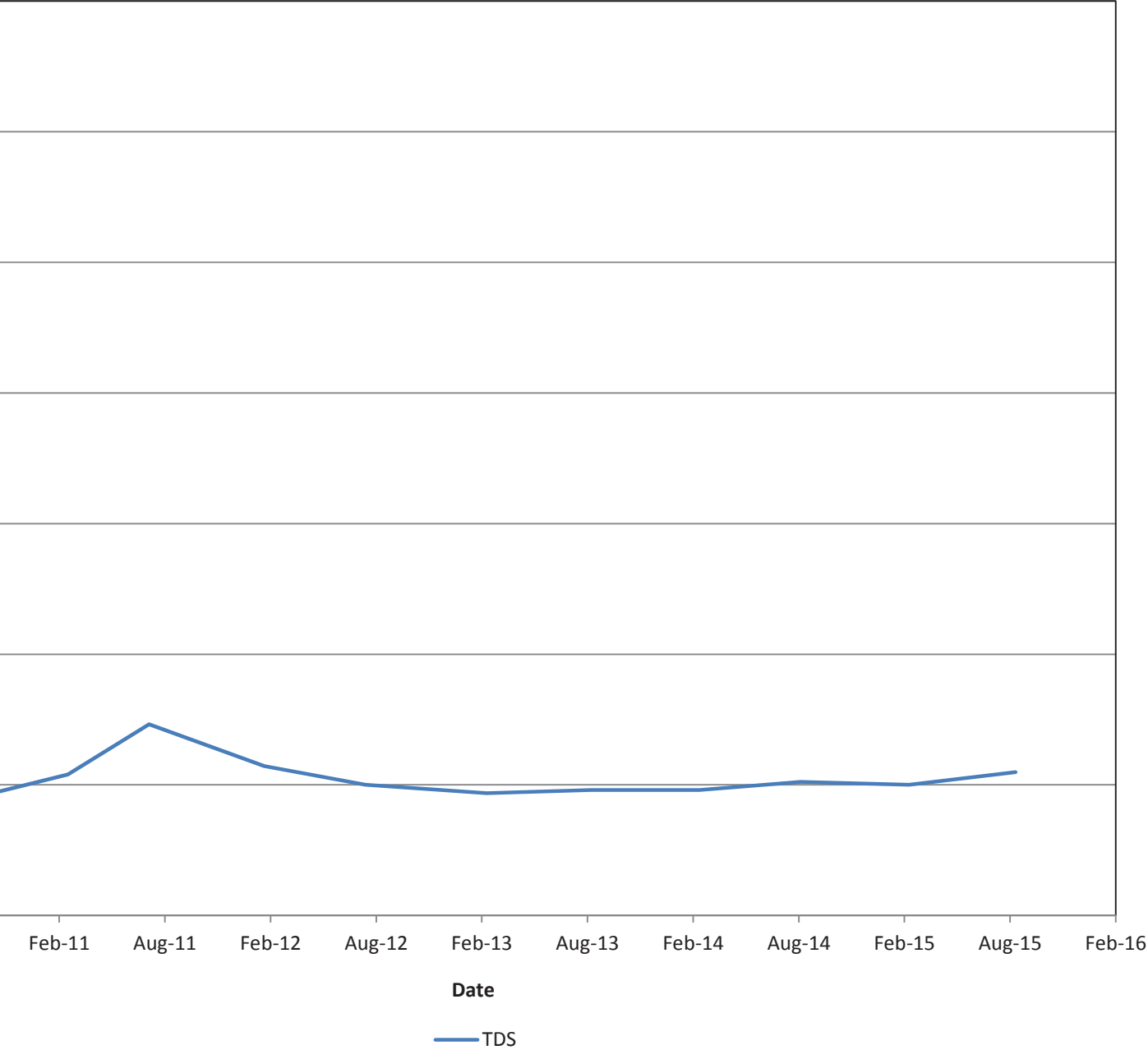
MW-27: SVOC CONCENTRATIONS OVER TIME



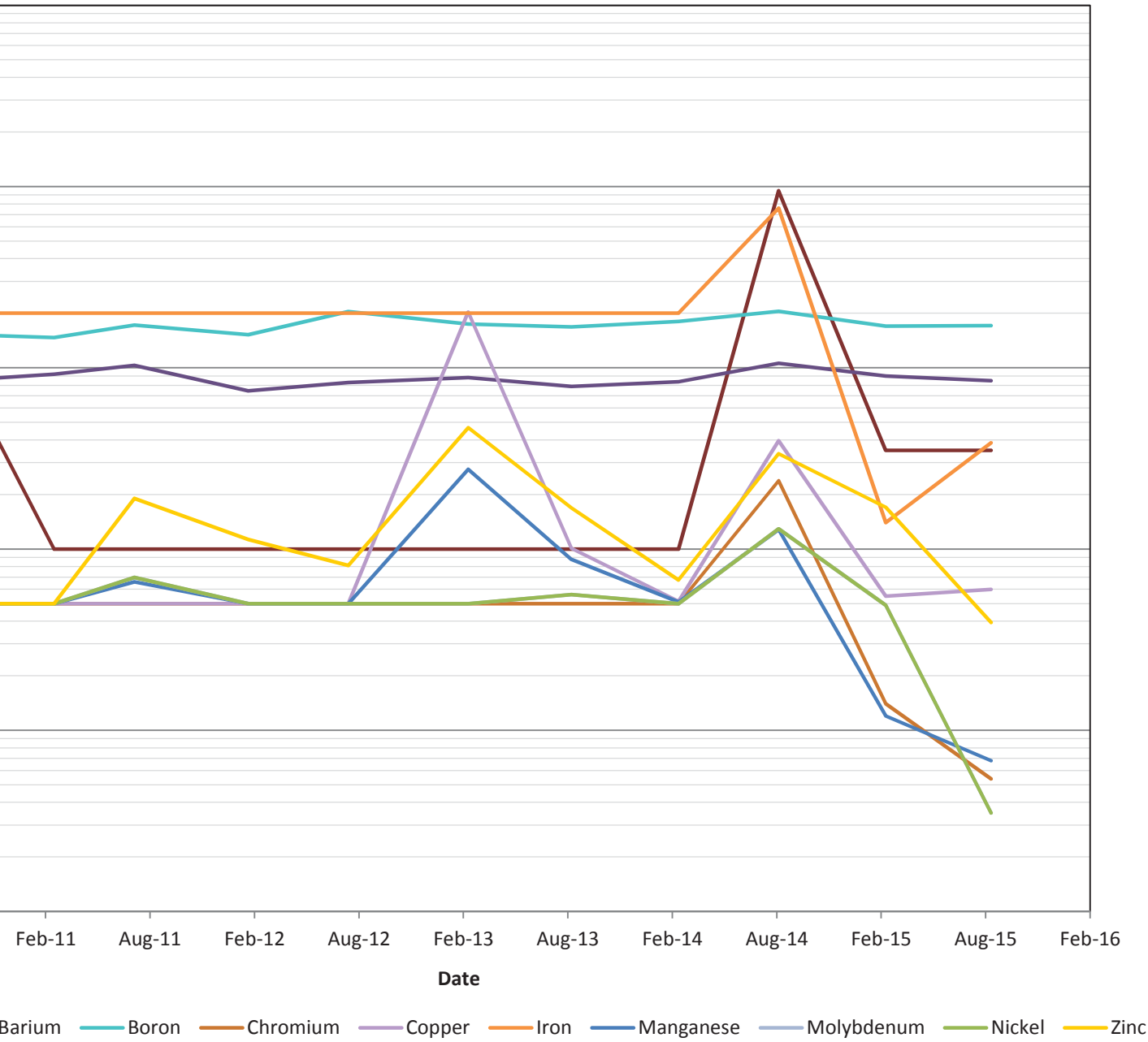
MW-28: ANION CONCENTRATIONS OVER TIME



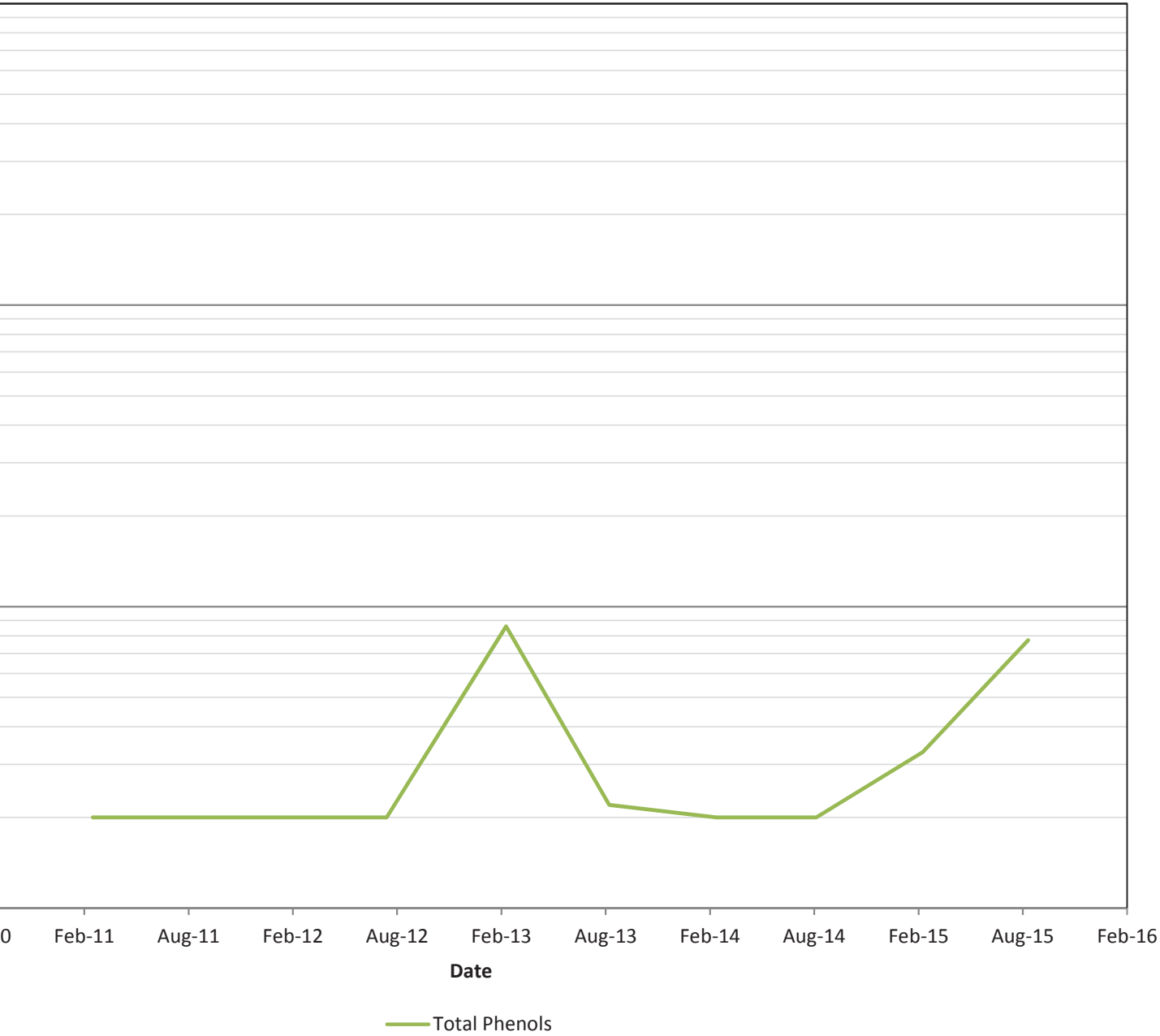
MW-28: TDS CONCENTRATIONS OVER TIME



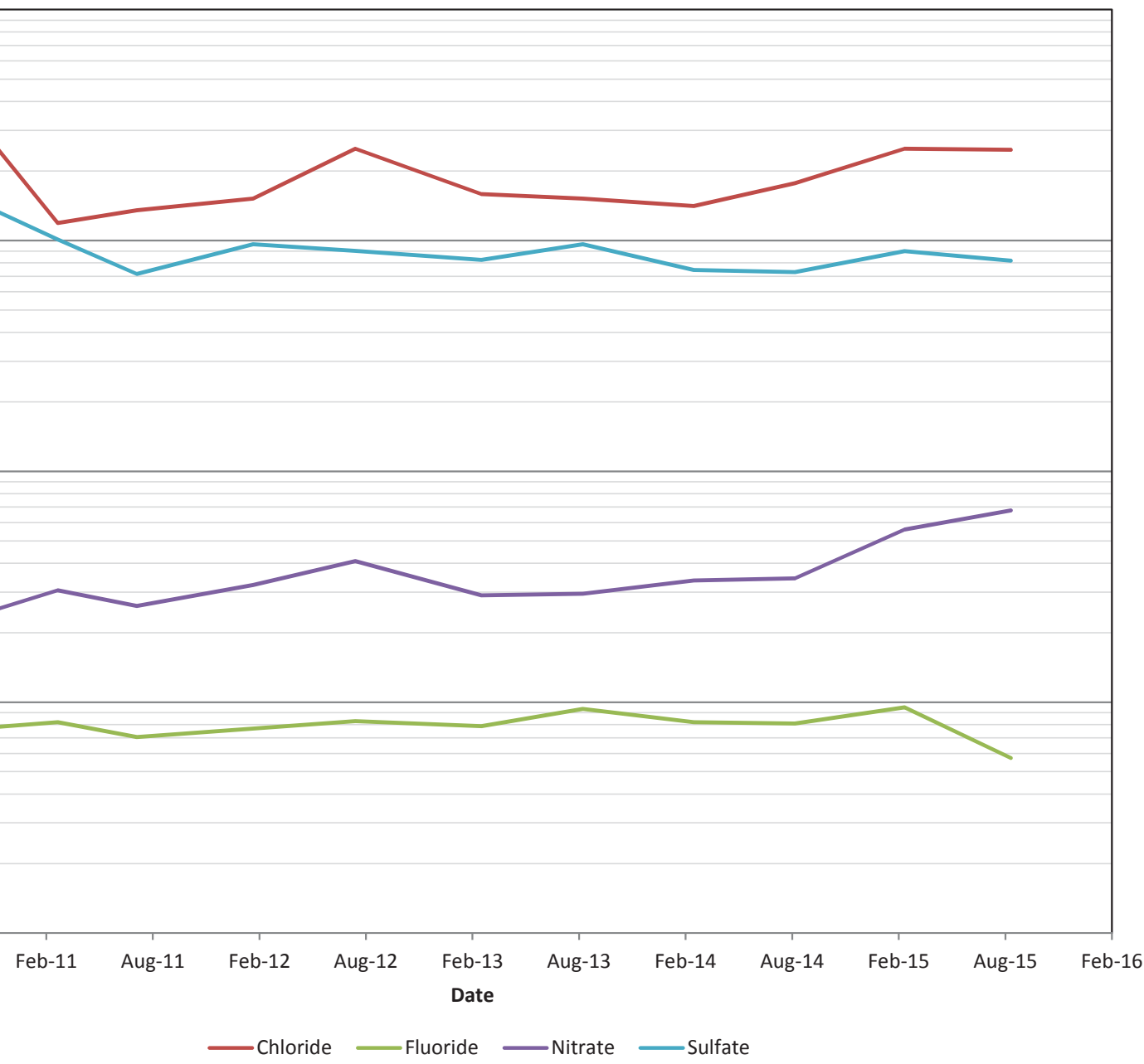
MW-28: METAL CONCENTRATIONS OVER TIME



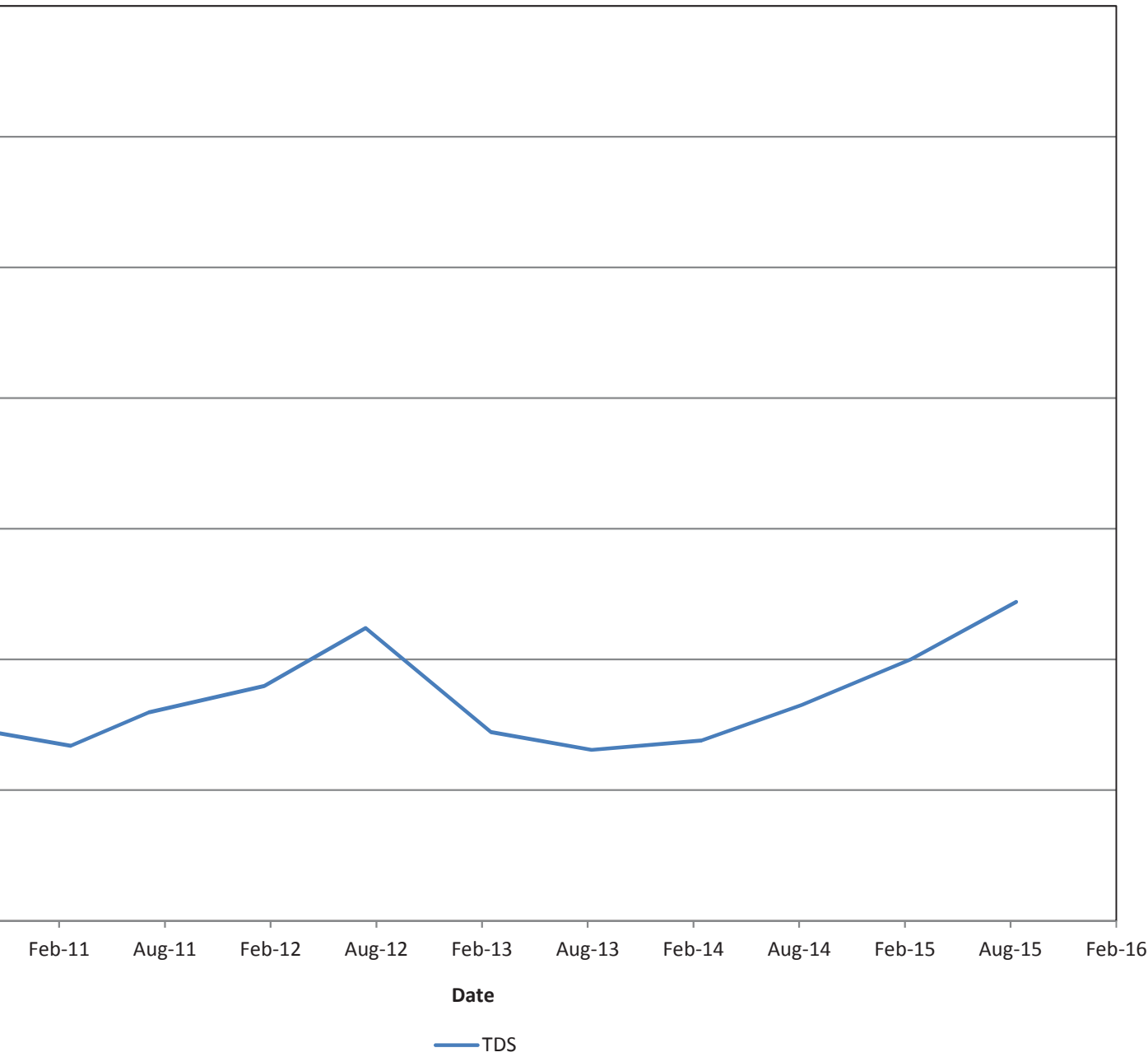
MW-28: SVOC CONCENTRATIONS OVER TIME



MW-29: ANION CONCENTRATIONS OVER TIME



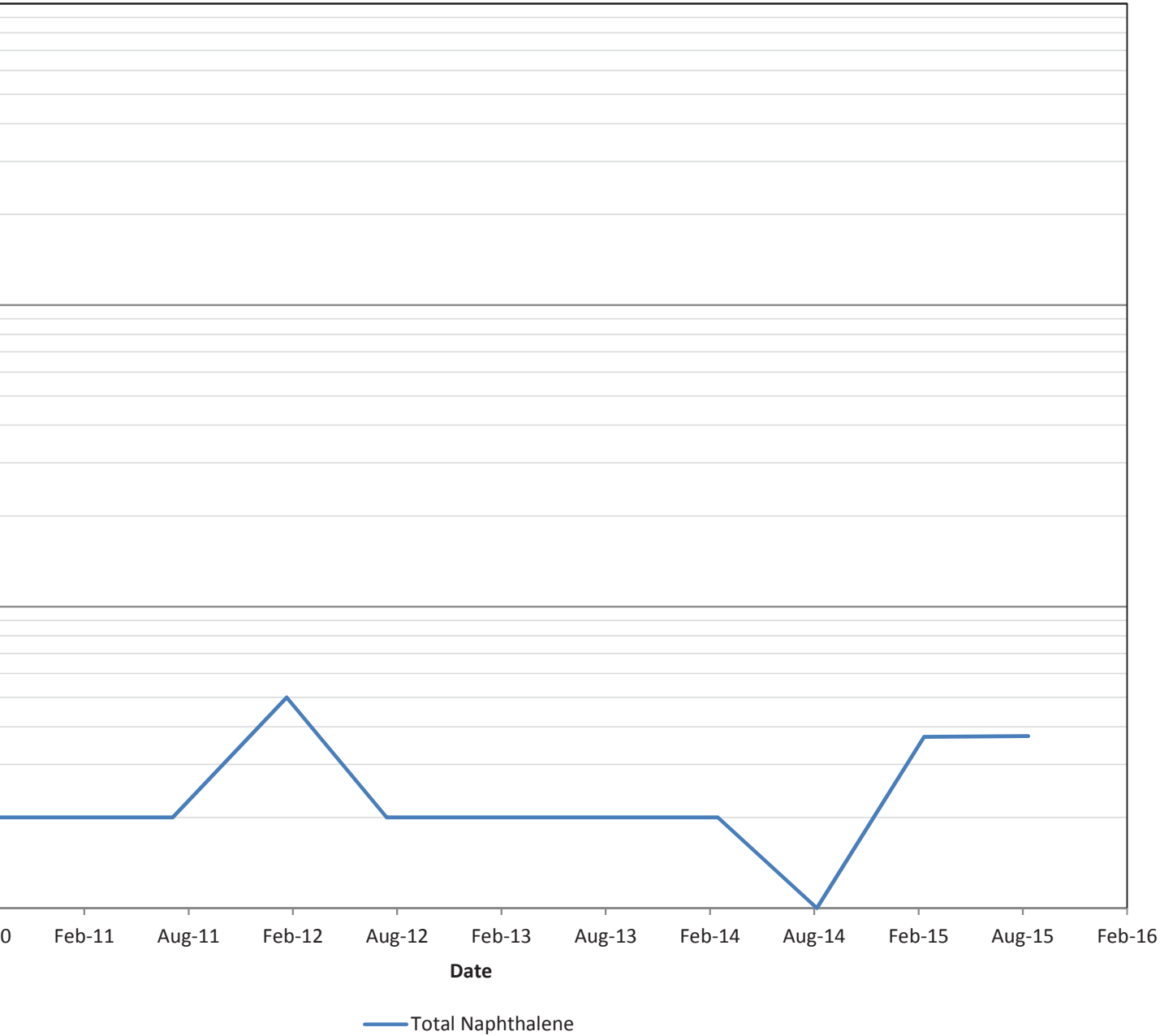
MW-29: TDS CONCENTRATIONS OVER TIME



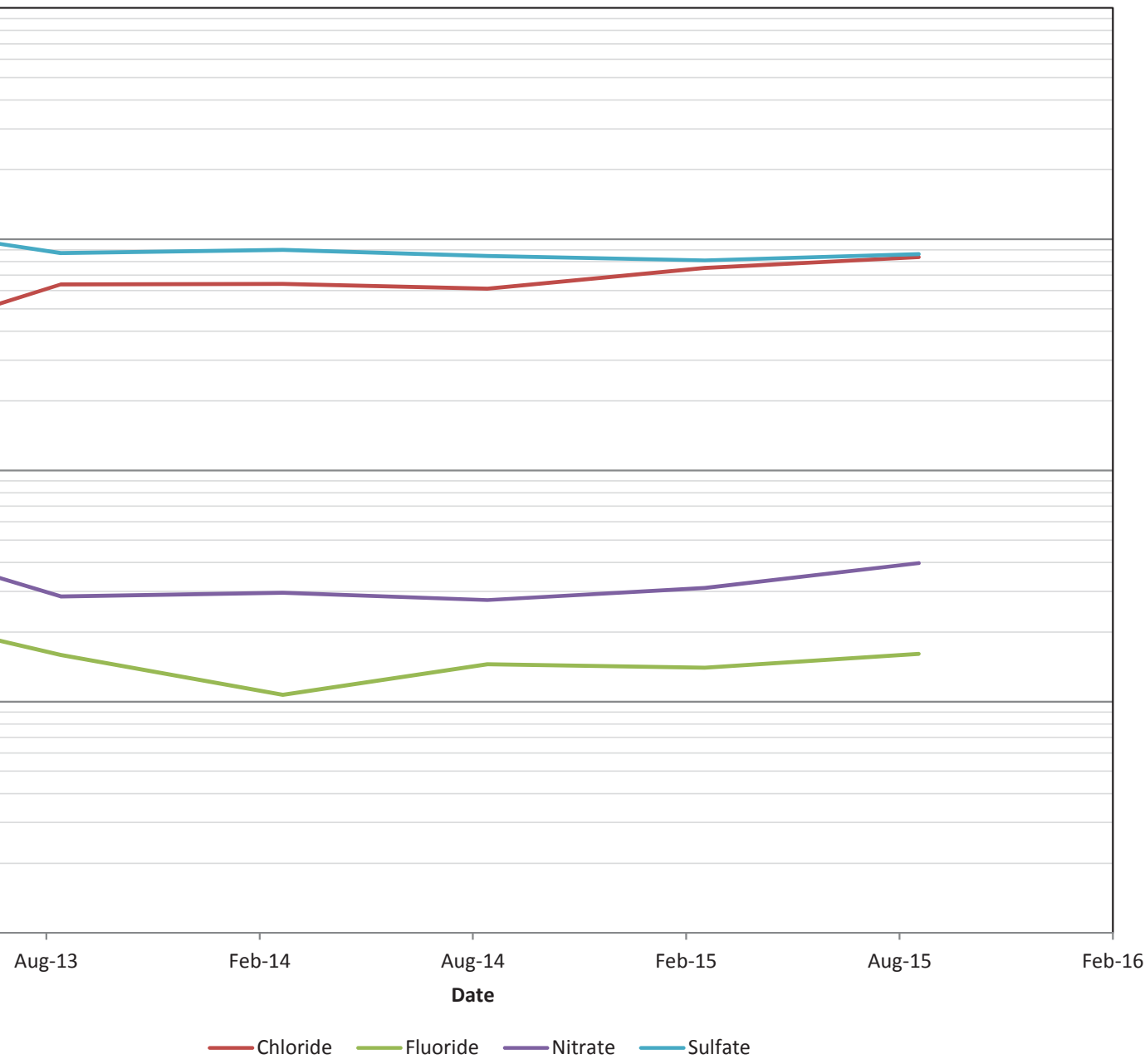
The graph displays the progression of various metrics for two groups over a 100-day period. The 'Control' group is represented by lighter-colored lines, while the 'Intervention' group is represented by darker-colored lines. The metrics are color-coded as follows: orange, teal, purple, yellow, dark red, green, blue, light blue, and two unlabeled lines. The y-axis represents a value from 0 to 100, and the x-axis represents time in days. The 'Intervention' group shows significantly higher values and greater fluctuations, particularly after day 50, compared to the 'Control' group.

Barium Boron Chromium Iron Manganese Molybdenum Nickel Zinc

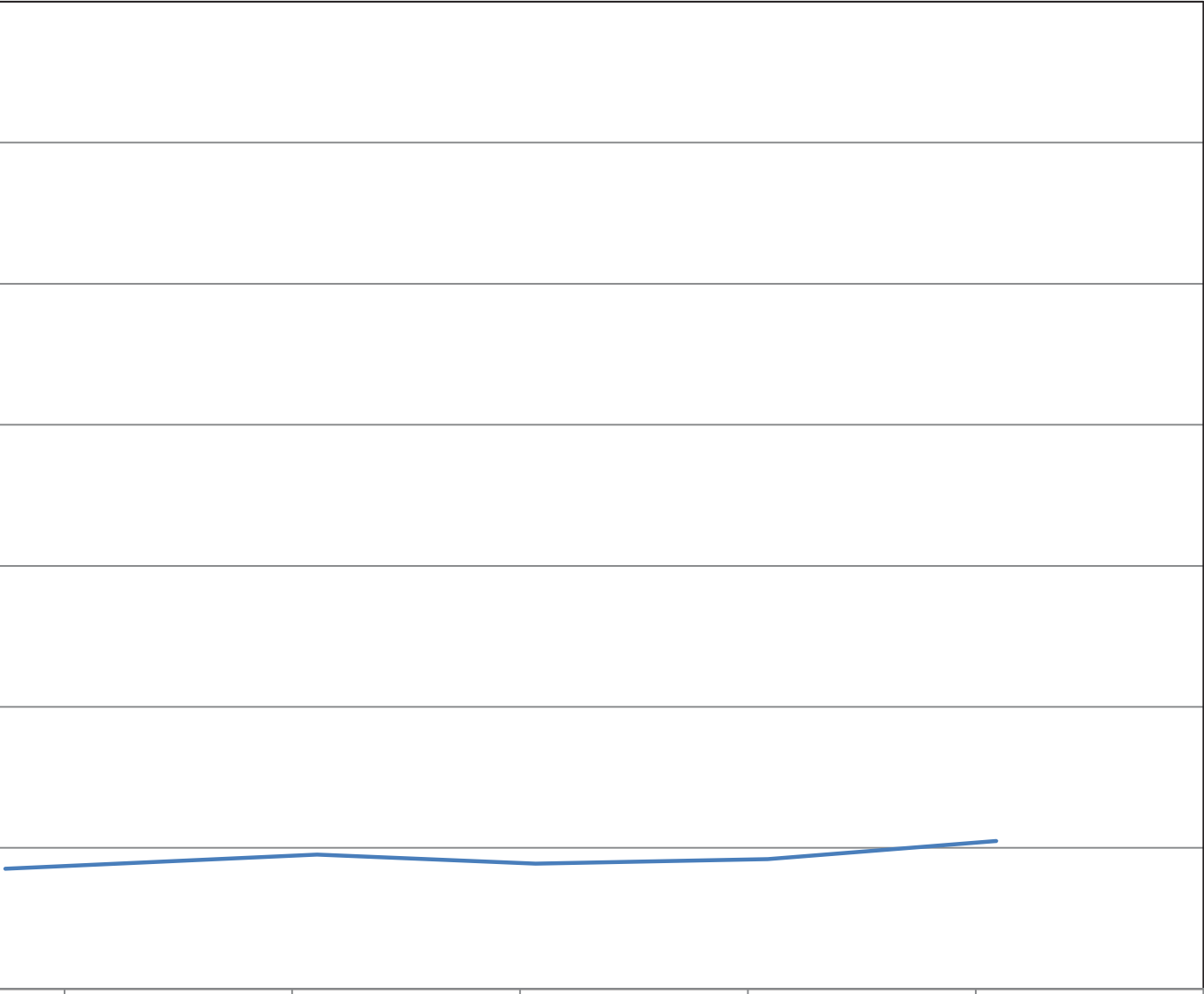
MW-29: SVOC CONCENTRATIONS OVER TIME



MW-30: ANION CONCENTRATIONS OVER TIME



MW-30: TDS CONCENTRATIONS OVER TIME

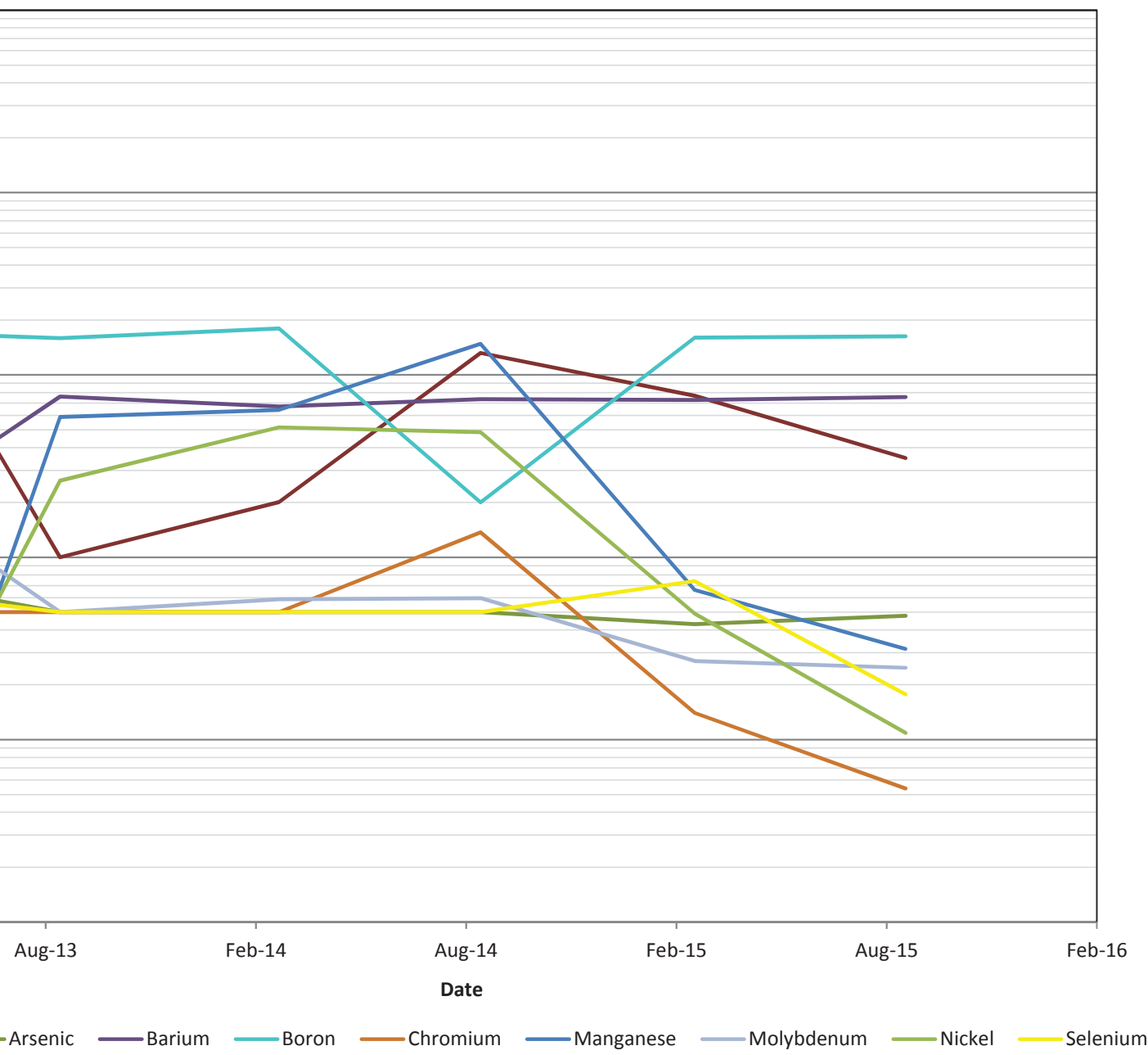


Aug-13 Feb-14 Aug-14 Feb-15 Aug-15 Feb-16

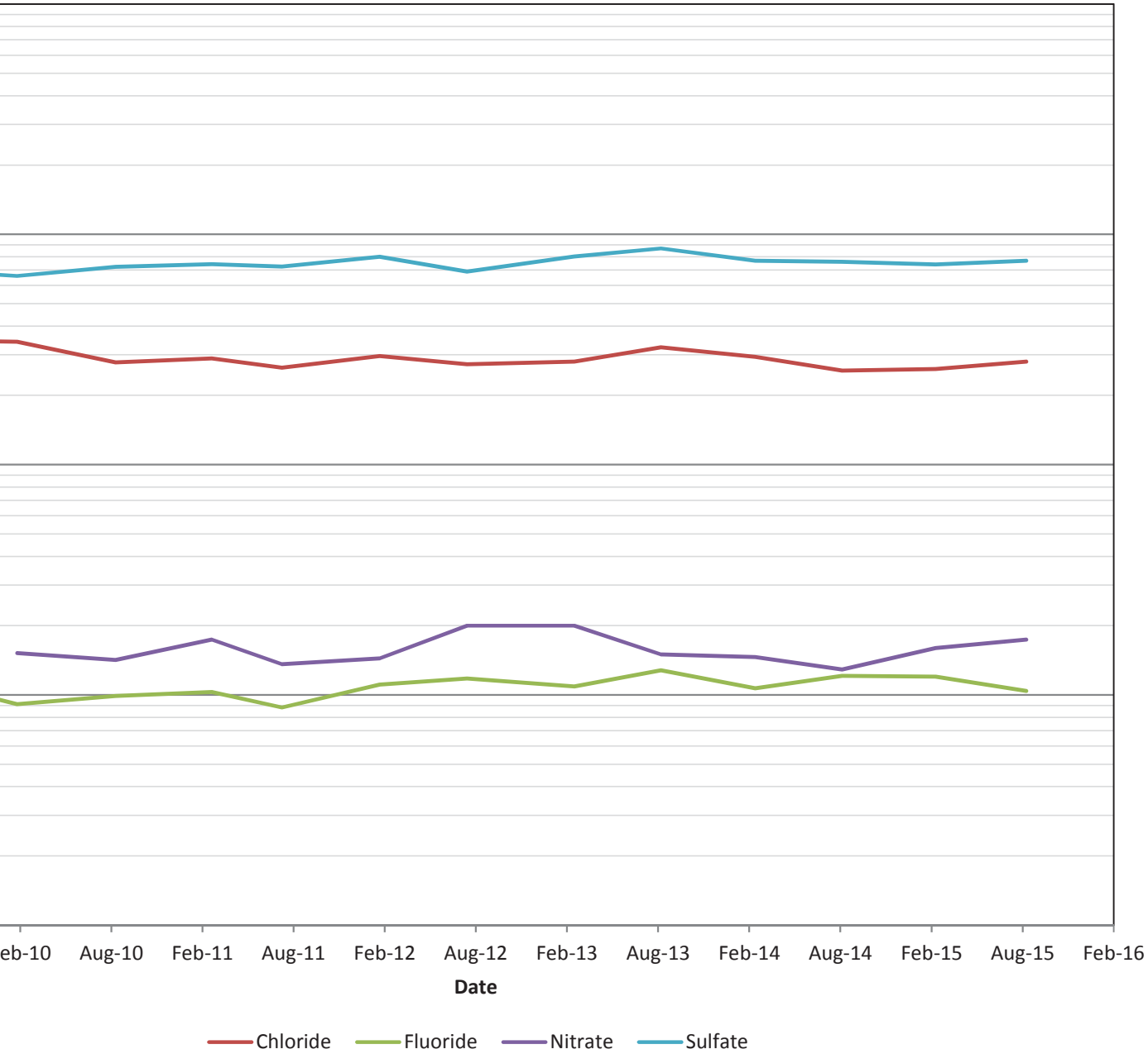
Date

— TDS

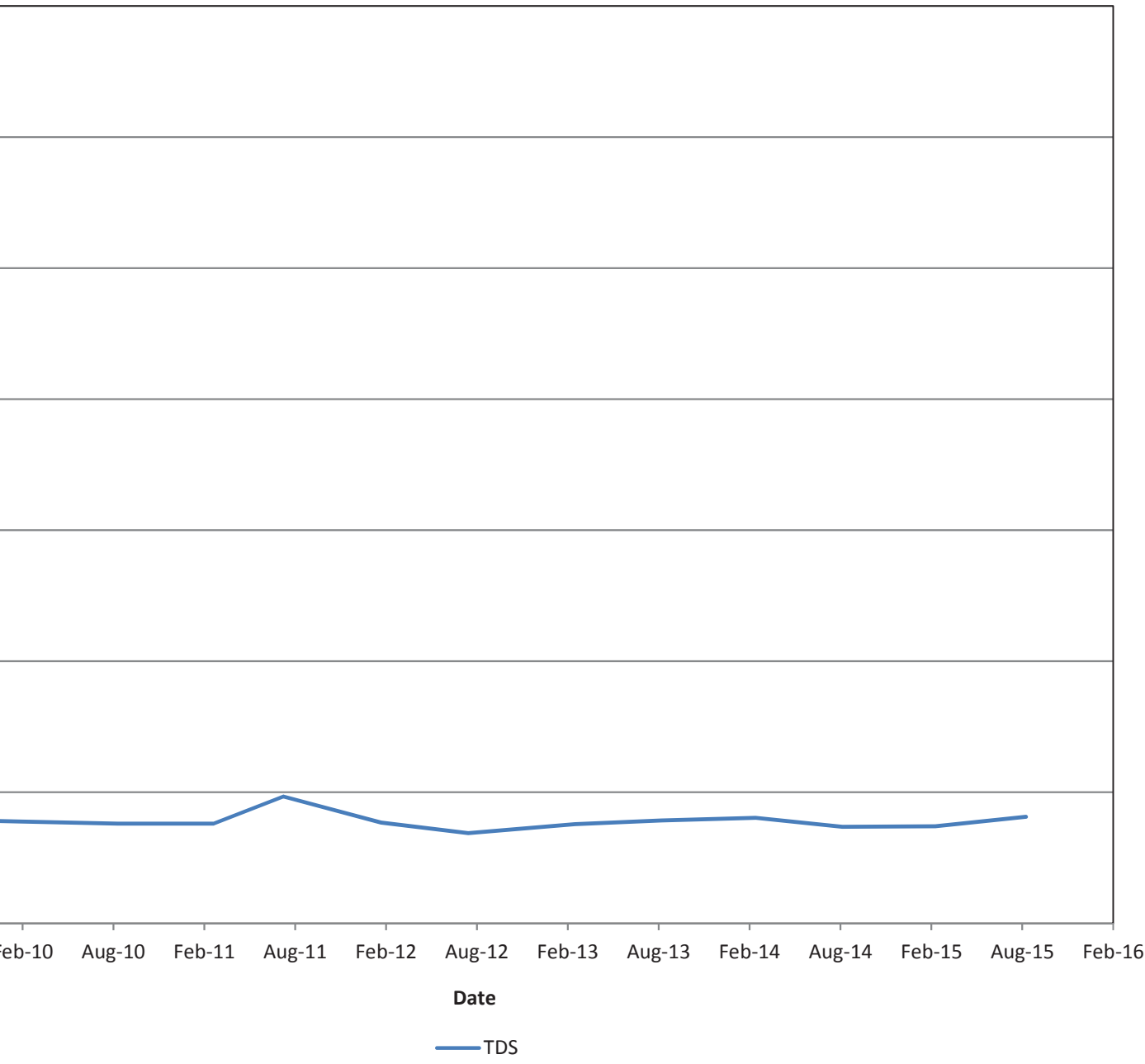
MW-30: METAL CONCENTRATIONS OVER TIME



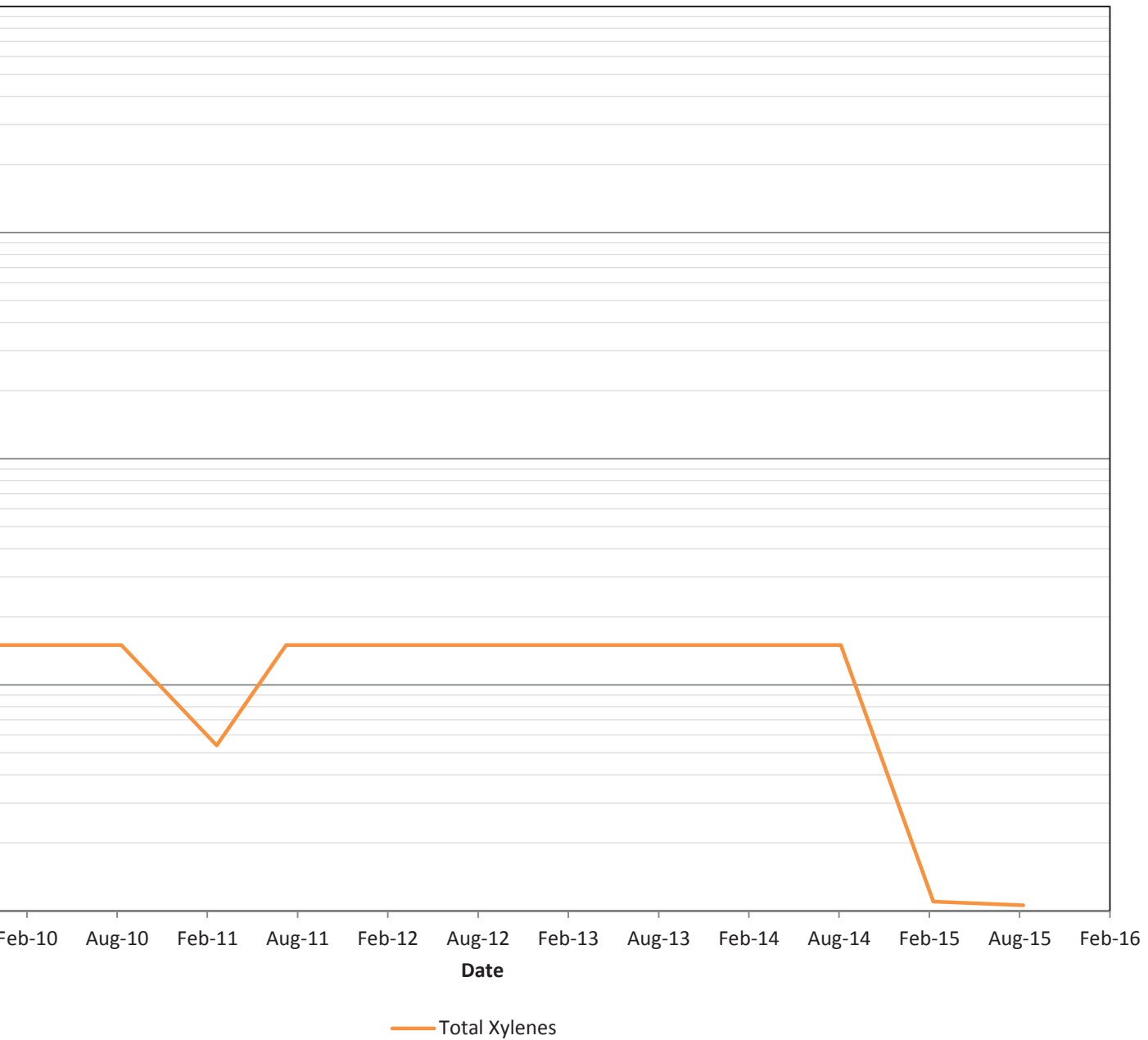
RW-1: ANION CONCENTRATIONS OVER TIME



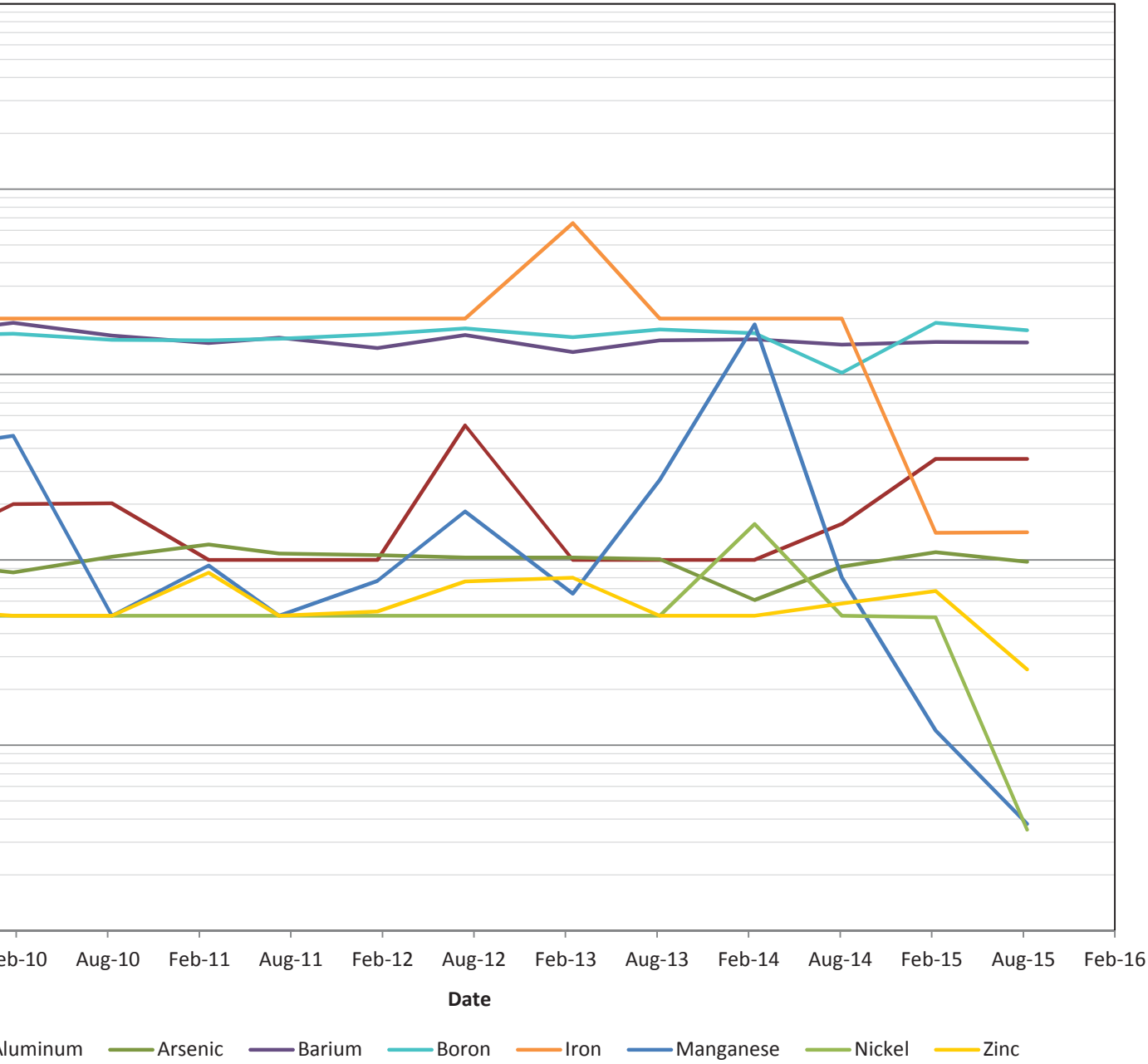
RW-1: TDS CONCENTRATIONS OVER TIME



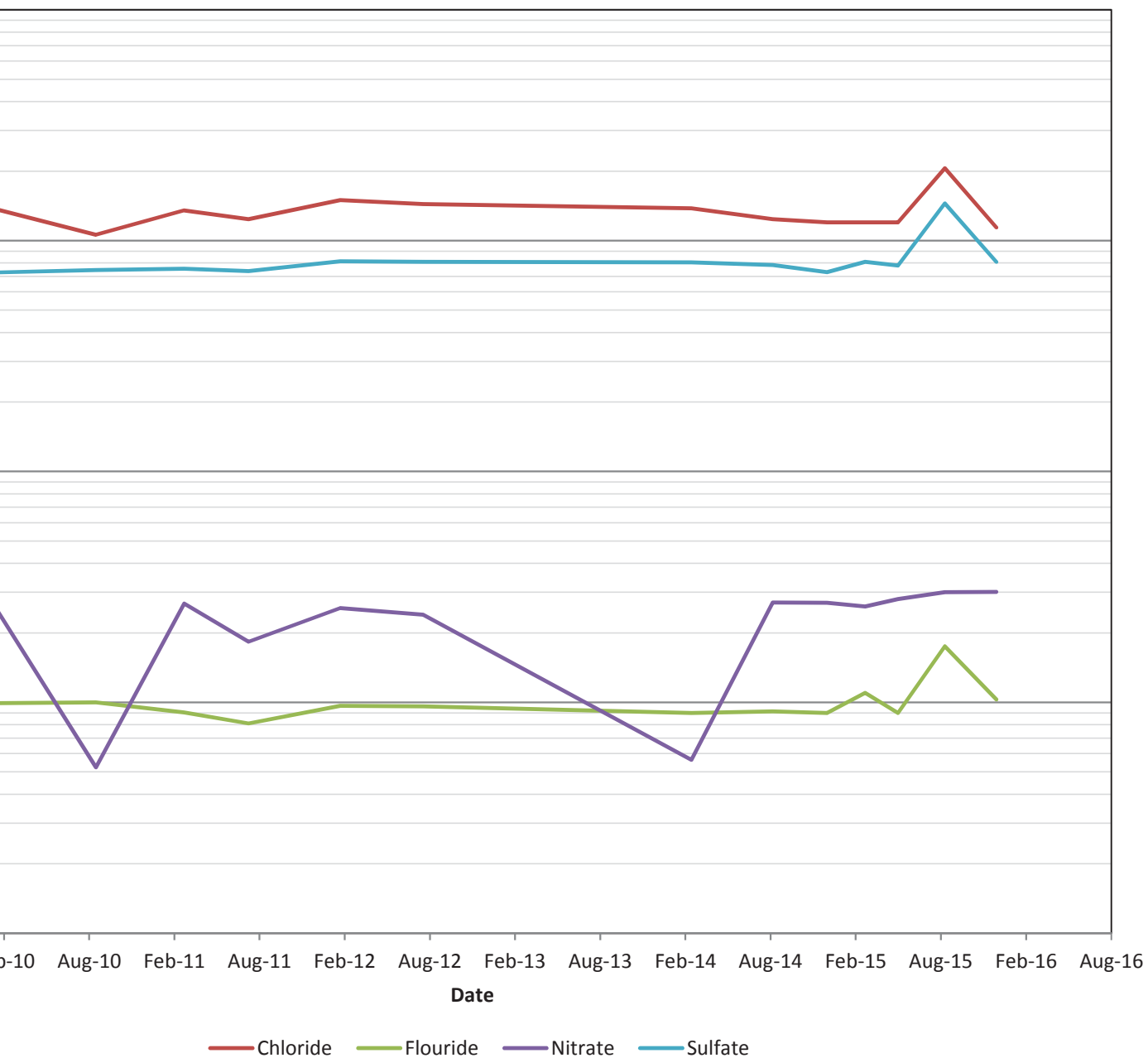
RW-1: VOC CONCENTRATIONS OVER TIME



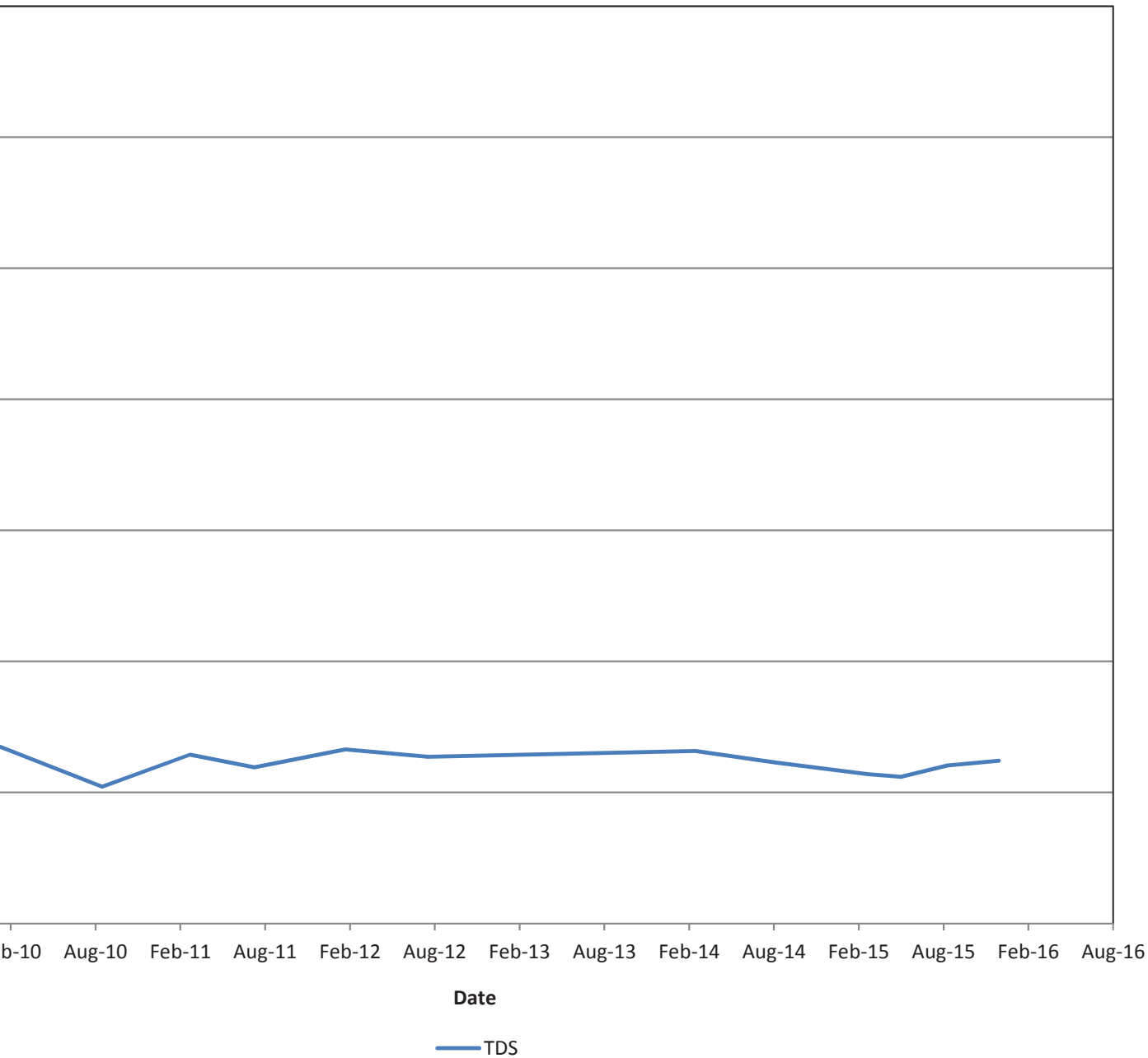
RW-1: METAL CONCENTRATIONS OVER TIME



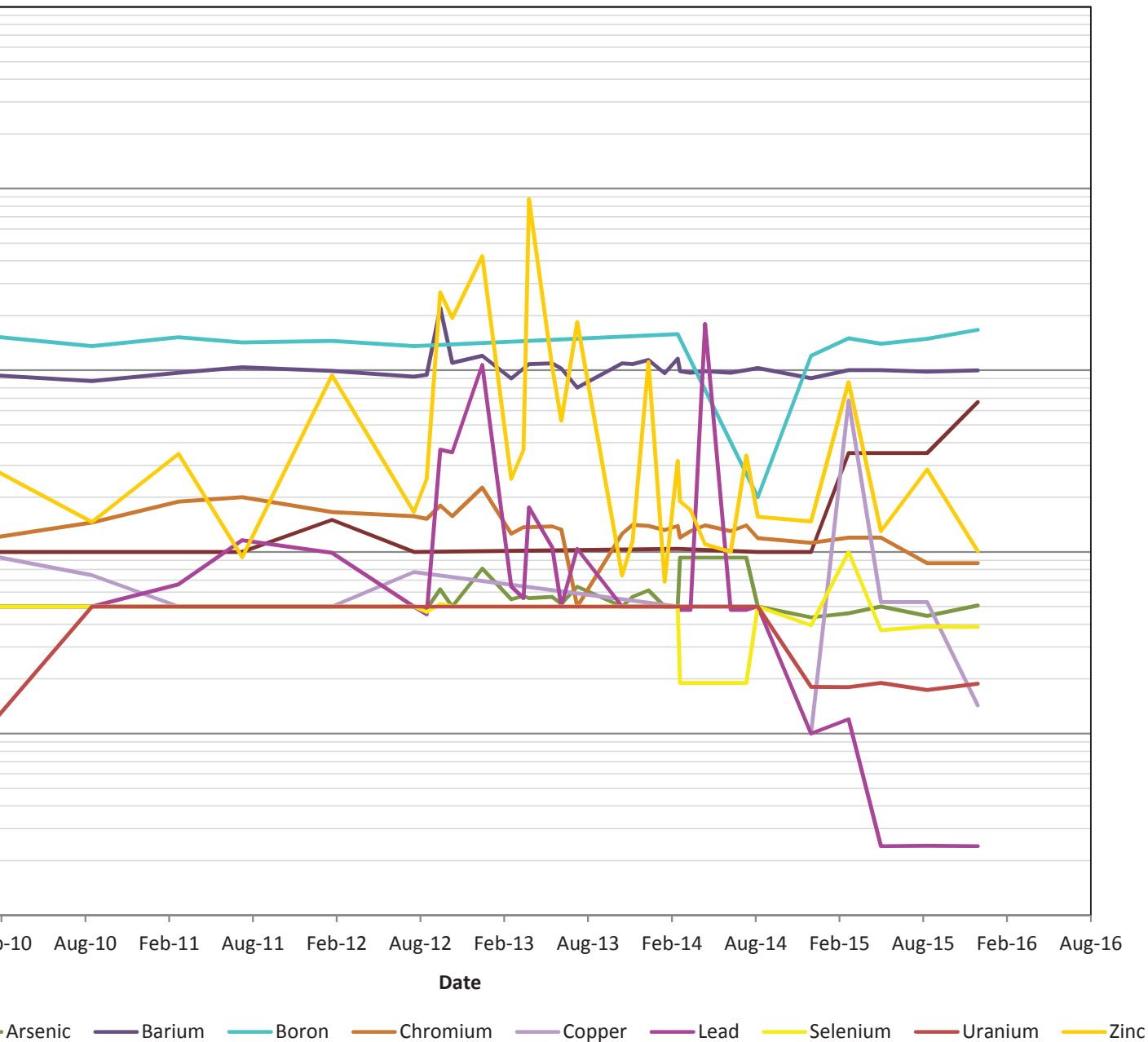
AST WELL (WW-EAST): ANION CONCENTRATIONS OVER TIME



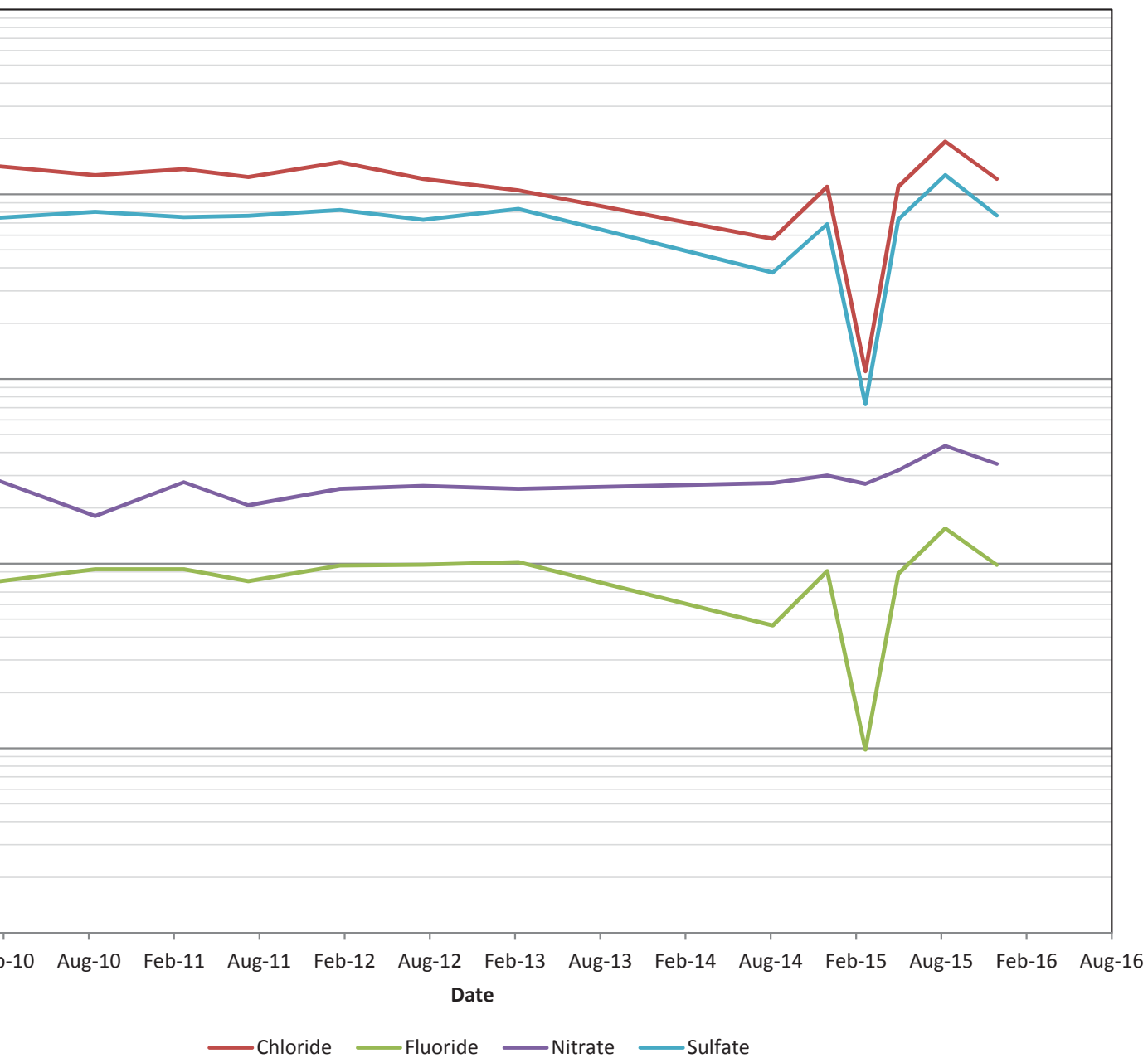
EAST WELL (WW-EAST): TDS CONCENTRATIONS OVER TIME



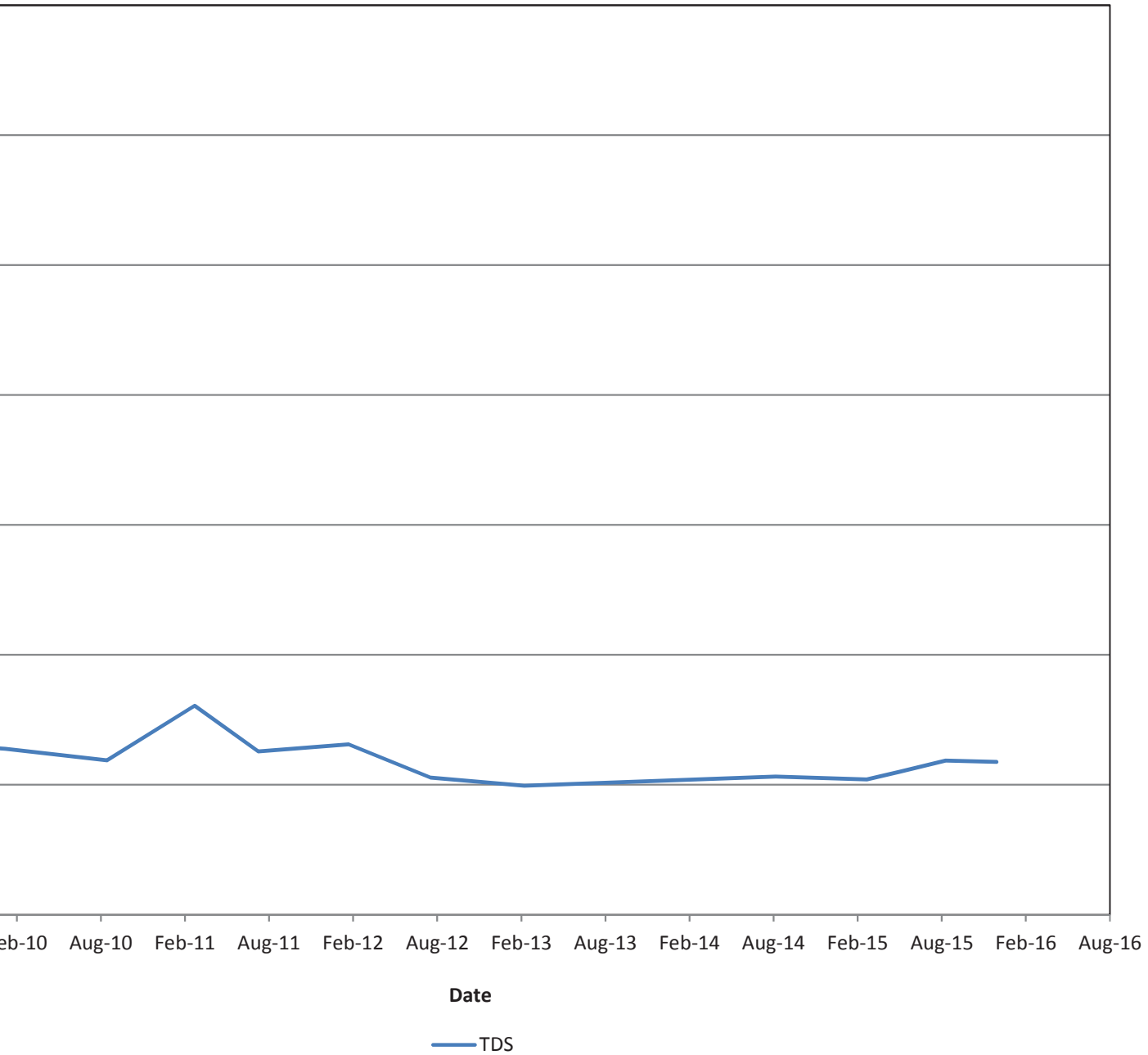
ST WELL (WW-EAST): METAL CONCENTRATIONS OVER TIME



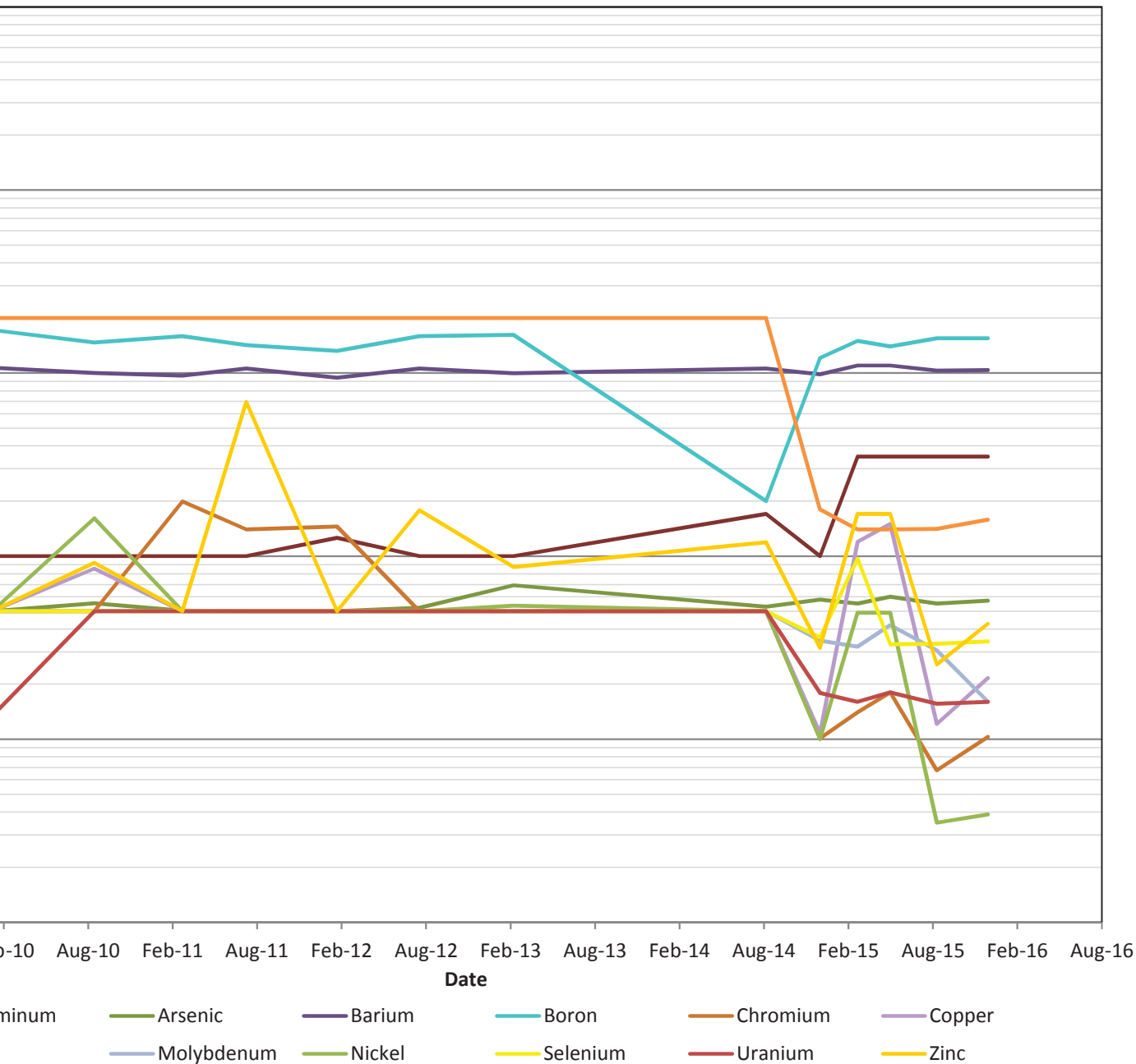
WORTH WELL (WW-NORTH): ANION CONCENTRATIONS OVER TIME



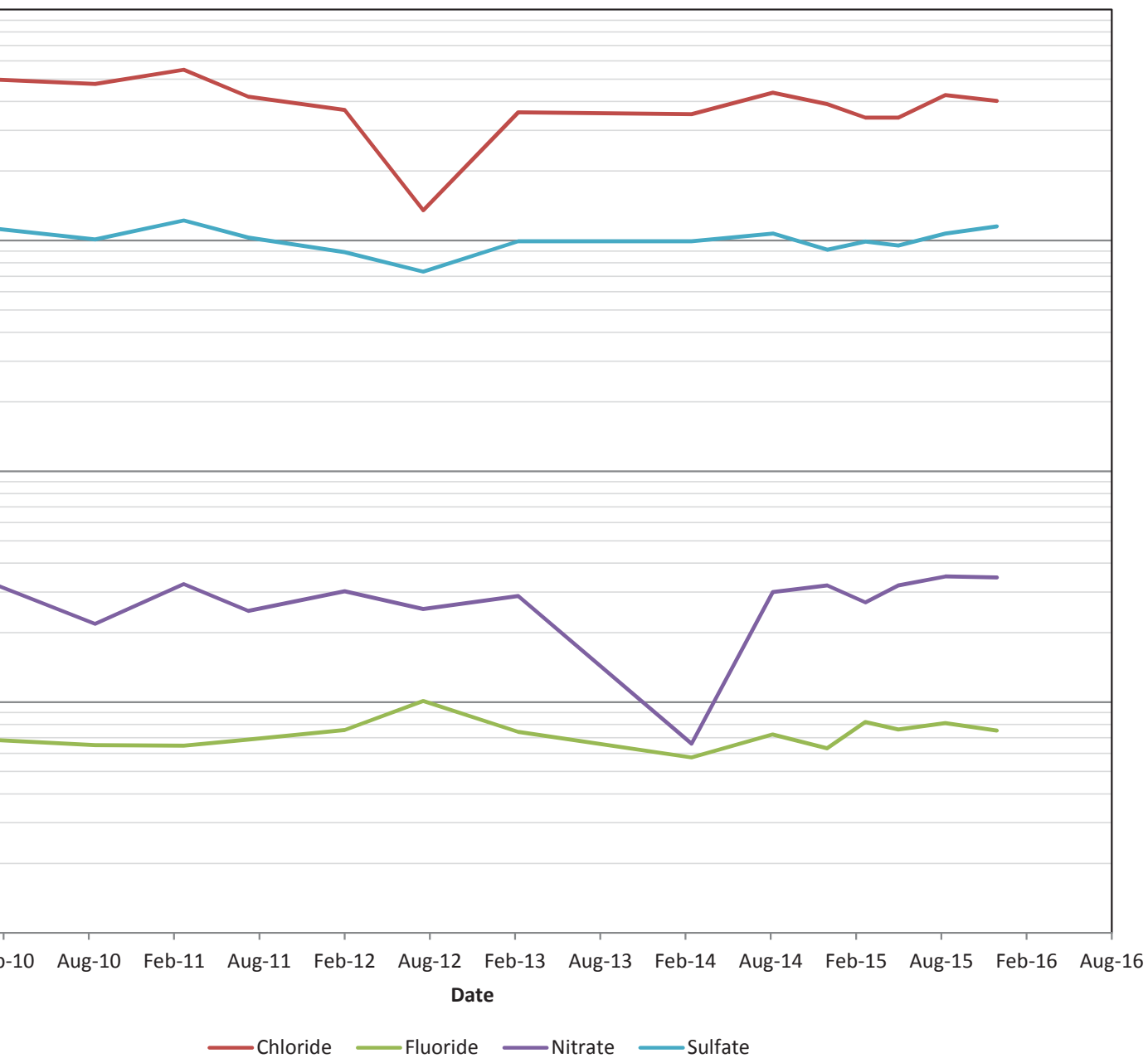
NORTH WELL (WW-NORTH): TDS CONCENTRATIONS OVER TIME



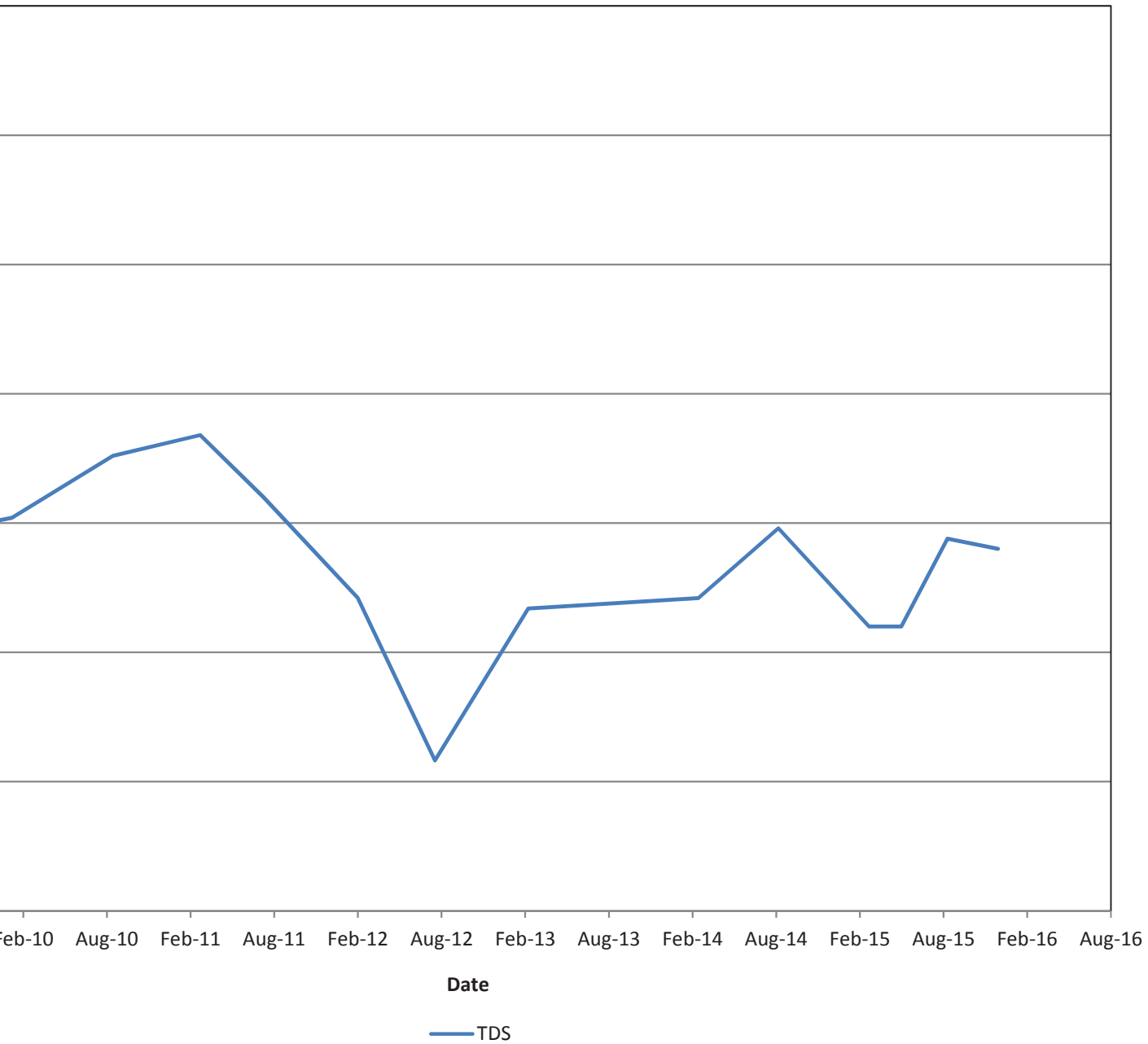
TH WELL (WW-NORTH): METAL CONCENTRATIONS OVER TIME



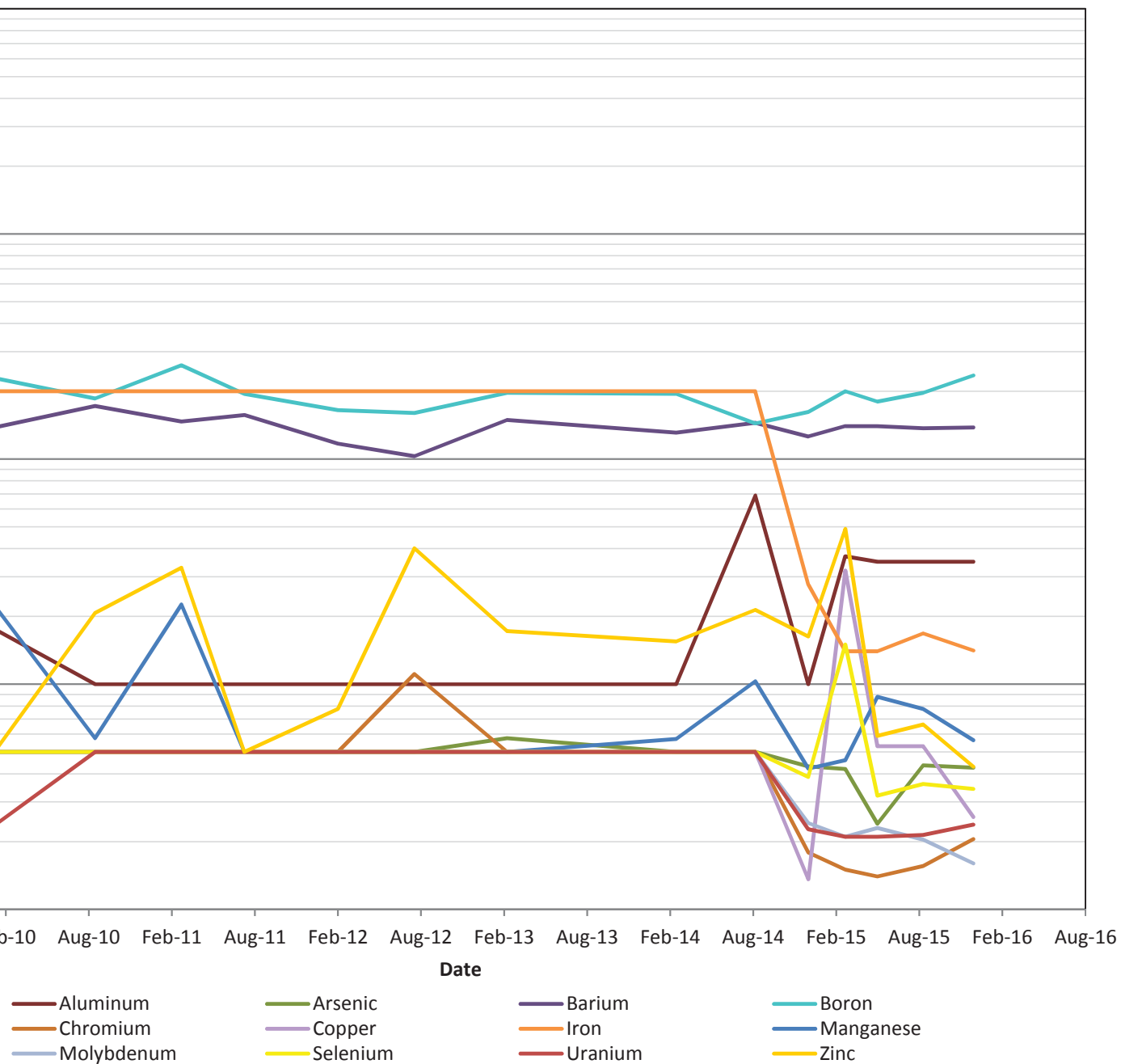
OUTH WELL (WW-SOUTH): ANION CONCENTRATIONS OVER TIME



SOUTH WELL (WW-SOUTH): TDS CONCENTRATIONS OVER TIME



TH WELL (WW-SOUTH): METAL CONCENTRATIONS OVER TIME



OUTH WELL (WW-SOUTH): VOC CONCENTRATIONS OVER TIME

