

GW – 028

2015 AGWMR

PART 5 OF 25

03 / 2016



Method Blank (MB)

(MB) 04/24/15 08:52

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

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

L760247-11 Original Sample (OS) • Duplicate (DUP)

(OS) 04/24/15 08:53 • (DUP) 04/24/15 08:52

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	5770	5820	1	0.863		5

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

(LCS) 04/24/15 08:49 • (LCSD) 04/24/15 08:50

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Dissolved Solids	8800	8620	8510	98.0	96.7	85.0-115			1.28	5



Method Blank (MB)

(MB) 04/25/15 11:30

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

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

L760254-04 Original Sample (OS) • Duplicate (DUP)

(OS) 04/25/15 11:34 • (DUP) 04/25/15 11:33

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	3290	3320	1	0.908		5

⁷ Gl

⁸ Al

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

(LCS) 04/25/15 11:31 • (LCSD) 04/25/15 11:32

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Dissolved Solids	8800	8630	8570	98.1	97.4	85.0-115			0.698	5

⁹ Sc



Method Blank (MB)

(MB) 04/25/15 11:17

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Dissolved Solids	3.00		2.82	10.0

L760264-01 Original Sample (OS) • Duplicate (DUP)

(OS) 04/25/15 11:18 • (DUP) 04/25/15 11:17

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	2760	2720	1	1.46		5

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

(LCS) 04/25/15 11:20 • (LCSD) 04/25/15 11:20

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Dissolved Solids	8800	8400	8270	95.5	94.0	85.0-115			1.56	5

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc



Method Blank (MB)

(MB) 04/27/15 08:59

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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L760247-01 Original Sample (OS) • Duplicate (DUP)

(OS) 04/27/15 08:56 • (DUP) 04/27/15 08:55

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Dissolved Solids	4650	4810	1	3.38		5

L760264-16 Original Sample (OS) • Duplicate (DUP)

(OS) 04/27/15 08:57 • (DUP) 04/27/15 09:00

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Dissolved Solids	1420	1400	1	1.42		5

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

(LCS) 04/27/15 08:59 • (LCSD) 04/27/15 08:59

	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Analyte	mg/l	mg/l	mg/l	%	%	%			%	%
Dissolved Solids	8800	8970	8540	102	97.0	85.0-115			4.91	5



Method Blank (MB)

(MB) 05/01/15 10:16

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

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

L760254-01 Original Sample (OS) • Duplicate (DUP)

(OS) 05/01/15 10:42 • (DUP) 05/01/15 10:43

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Nitrate-Nitrite	ND	ND	1	0.00		20

L760247-09 Original Sample (OS) • Duplicate (DUP)

(OS) 05/01/15 10:23 • (DUP) 05/01/15 10:24

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Nitrate-Nitrite	0.52	0.51	1	1.9		20

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

(LCS) 05/01/15 10:19 • (LCSD) 05/01/15 10:21

	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Analyte	mg/l	mg/l	mg/l	%	%	%			%	%
Nitrate-Nitrite	5.00	5.11	5.40	102	108	90.0-110			5.52	20

L760247-10 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 05/01/15 10:25 • (MS) 05/01/15 10:27 • (MSD) 05/01/15 10:28

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/l	mg/l	mg/l	mg/l	%	%		%			%	%
Nitrate-Nitrite	5.00	1.90	5.43	5.65	70.6	75.0	1	90.0-110	J6	J6	3.97	20



Method Blank (MB)

(MB) 05/01/15 01:46

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

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

L760264-06 Original Sample (OS) • Duplicate (DUP)

(OS) 05/01/15 02:14 • (DUP) 05/01/15 02:16

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Nitrate-Nitrite	0.30	0.27	1	11		20

L760254-11 Original Sample (OS) • Duplicate (DUP)

(OS) 05/01/15 01:53 • (DUP) 05/01/15 01:54

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Nitrate-Nitrite	ND	ND	1	11	J	20

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

(LCS) 05/01/15 01:49 • (LCSD) 05/01/15 01:50

	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Analyte	mg/l	mg/l	mg/l	%	%	%			%	%
Nitrate-Nitrite	5.00	5.05	5.09	101	102	90.0-110			0.789	20

L760254-12 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 05/01/15 01:55 • (MS) 05/01/15 01:56 • (MSD) 05/01/15 01:58

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/l	mg/l	mg/l	mg/l	%	%		%			%	%
Nitrate-Nitrite	5.00	ND	4.53	4.34	90.6	86.8	1	90.0-110		J6	4.28	20



Method Blank (MB)

(MB) 04/30/15 12:52

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

L760276-18 Original Sample (OS) • Duplicate (DUP)

(OS) 04/30/15 13:19 • (DUP) 04/30/15 13:20

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Cyanide	ND	ND	1	0.00		20

L760264-01 Original Sample (OS) • Duplicate (DUP)

(OS) 04/30/15 12:59 • (DUP) 04/30/15 13:00

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Cyanide	0.013	0.015	1	14		20

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

(LCS) 04/30/15 12:54 • (LCSD) 04/30/15 12:55

	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Analyte	mg/l	mg/l	mg/l	%	%	%			%	%
Cyanide	0.100	0.108	0.104	108	104	90.0-110			3.77	20

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc



Method Blank (MB)

(MB) 05/01/15 10:26

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

L760581-02 Original Sample (OS) • Duplicate (DUP)

(OS) 05/01/15 10:39 • (DUP) 05/01/15 10:40

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Cyanide	ND	ND	1	0.00		20

L760588-03 Original Sample (OS) • Duplicate (DUP)

(OS) 05/01/15 10:50 • (DUP) 05/01/15 10:51

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Cyanide	ND	ND	1	0.00		20

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

(LCS) 05/01/15 10:29 • (LCSD) 05/01/15 10:30

	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Analyte	mg/l	mg/l	mg/l	%	%	%			%	%
Cyanide	0.100	0.106	0.105	106	105	90.0-110			0.948	20

L760581-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 05/01/15 10:41 • (MS) 05/01/15 10:42 • (MSD) 05/01/15 10:43

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/l	mg/l	mg/l	mg/l	%	%		%			%	%
Cyanide	0.200	ND	0.209	0.206	105	103	1	90.0-110			1.45	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) 04/27/15 15:23

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

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

L760247-18 Original Sample (OS) • Duplicate (DUP)

(OS) 04/27/15 20:01 • (DUP) 04/27/15 20:15

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	0.146	0.224	1	42	J P1	20
Fluoride	0.0174	0.0169	1	3	J	20
Sulfate	0.0248	-0.0843	1	0		20

L760088-03 Original Sample (OS) • Duplicate (DUP)

(OS) 04/28/15 10:18 • (DUP) 04/28/15 10:32

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Sulfate	294	290	10	1		20

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

(LCS) 04/27/15 15:37 • (LCSD) 04/27/15 15:51

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Chloride	40.0	39.7	39.6	99	99	90-110			0	20
Fluoride	8.00	8.31	8.30	104	104	90-110			0	20
Sulfate	40.0	40.4	40.4	101	101	90-110			0	20

L760247-19 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 04/27/15 20:29 • (MS) 04/27/15 20:43 • (MSD) 04/27/15 20:57

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	50.0	0.0943	50.5	51.2	101	102	1	80-120			1	20
Fluoride	5.00	0.0201	4.57	5.33	91	106	1	80-120			15	20
Sulfate	50.0	ND	51.7	52.3	103	105	1	80-120			1	20

Method Blank (MB)

(MB) 04/28/15 18:50

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

L760254-16 Original Sample (OS) • Duplicate (DUP)

(OS) 04/28/15 22:04 • (DUP) 04/28/15 22:19

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	ND	-0.0864	1	0		20
Fluoride	0.0197	0.000	1	200	P1	20
Sulfate	0.323	-0.231	1	1200	P1	20

L760264-09 Original Sample (OS) • Duplicate (DUP)

(OS) 04/29/15 01:47 • (DUP) 04/29/15 02:02

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	80.3	80.2	1	0		20
Fluoride	1.95	1.97	1	1		20

L760264-09 Original Sample (OS) • Duplicate (DUP)

(OS) 04/29/15 16:33 • (DUP) 04/29/15 16:48

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Sulfate	2140	2090	100	2		20

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

(LCS) 04/28/15 19:05 • (LCSD) 04/28/15 19:20

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Chloride	40.0	40.1	39.9	100	100	90-110			1	20
Fluoride	8.00	8.04	7.98	100	100	90-110			1	20
Sulfate	40.0	41.2	41.0	103	102	90-110			1	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc



L760254-18 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 04/28/15 22:34 • (MS) 04/28/15 22:48 • (MSD) 04/28/15 23:03

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	50.0	ND	49.5	50.8	99	102	1	80-120			3	20
Fluoride	5.00	0.0148	5.02	5.06	100	101	1	80-120			1	20
Sulfate	50.0	ND	50.8	51.8	102	104	1	80-120			2	20

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc



Method Blank (MB)

(MB) 04/20/15 20:48

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

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

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

(LCS) 04/20/15 20:50 • (LCSD) 04/20/15 20:53

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Mercury	0.00300	0.00246	0.00239	82	80	80-120			3	20

L760048-16 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 04/20/15 20:55 • (MS) 04/20/15 20:58 • (MSD) 04/20/15 21:00

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Mercury	0.00300	0.0000353	0.00240	0.00209	79	69	1	75-125		J6	14	20

⁷ Gl

⁸ Al

⁹ Sc



Method Blank (MB)

(MB) 04/28/15 17:33

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Arsenic	U		0.00025	0.00200
Barium	U		0.00036	0.00500
Calcium	0.0661		0.046	1.00
Chromium	0.000922		0.00054	0.00200
Iron	0.02		0.015	0.100
Lead	U		0.00024	0.00200
Manganese	0.000866		0.00025	0.00500
Nickel	0.000926		0.00035	0.00200
Potassium	U		0.037	1.00
Selenium	U		0.00038	0.00200
Sodium	U		0.11	1.00
Vanadium	U		0.00018	0.00500

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

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

(LCS) 04/28/15 17:36 • (LCSD) 04/28/15 17:38

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Arsenic	0.0500	0.0523	0.0527	105	105	80-120			1	20
Barium	0.0500	0.0497	0.0514	99	103	80-120			3	20
Calcium	5.00	5.07	4.95	101	99	80-120			2	20
Chromium	0.0500	0.0521	0.0542	104	108	80-120			4	20
Iron	5.00	5.06	5.30	101	106	80-120			5	20
Lead	0.0500	0.0513	0.0521	103	104	80-120			2	20
Manganese	0.0500	0.0513	0.0539	103	108	80-120			5	20
Nickel	0.0500	0.0536	0.0552	107	110	80-120			3	20
Potassium	5.00	4.87	4.89	97	98	80-120			1	20
Selenium	0.0500	0.0541	0.0551	108	110	80-120			2	20
Sodium	5.00	5.10	5.19	102	104	80-120			2	20
Vanadium	0.0500	0.0515	0.0534	103	107	80-120			4	20

L760254-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 04/28/15 17:56 • (MS) 04/28/15 18:01 • (MSD) 04/28/15 18:04

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	0.0100	0.108	0.163	0.171	110	126	5	75-125		J5	5	20
Barium	0.0100	0.0139	0.0651	0.0686	102	110	5	75-125			5	20



L760254-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 04/28/15 17:56 • (MS) 04/28/15 18:01 • (MSD) 04/28/15 18:04

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Calcium	1.00	660	638	661	0	17	5	75-125	V	V	4	20
Chromium	0.0100	0.00570	0.0572	0.0595	103	108	5	75-125			4	20
Potassium	1.00	4.12	8.91	9.17	96	101	5	75-125			3	20
Iron	1.00	3.15	8.30	8.59	103	109	5	75-125			4	20
Lead	0.0100	0.000610	0.0539	0.0547	107	108	5	75-125			2	20
Manganese	0.0100	2.96	2.92	2.99	0	66	5	75-125	V	V	3	20
Nickel	0.0100	0.00851	0.0600	0.0609	103	105	5	75-125			2	20
Selenium	0.0100	0.000803	0.0578	0.0584	114	115	5	75-125			1	20
Sodium	1.00	1080	1050	1080	0	0	5	75-125	V	V	3	20
Vanadium	0.0100	0.000358	0.0539	0.0550	107	109	5	75-125			2	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc



Method Blank (MB)

(MB) 04/28/15 01:51

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Arsenic,Dissolved	U		0.00025	0.00200
Barium,Dissolved	U		0.00036	0.00500
Chromium,Dissolved	U		0.00054	0.00200
Iron,Dissolved	U		0.015	0.100
Lead,Dissolved	U		0.00024	0.00200
Manganese,Dissolved	U		0.00025	0.00500
Selenium,Dissolved	U		0.00038	0.00200

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

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

(LCS) 04/28/15 01:54 • (LCSD) 04/28/15 01:56

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Arsenic,Dissolved	0.0500	0.0492	0.0486	98	97	80-120			1	20
Barium,Dissolved	0.0500	0.0500	0.0495	100	99	80-120			1	20
Chromium,Dissolved	0.0500	0.0485	0.0484	97	97	80-120			0	20
Iron,Dissolved	5.00	4.68	4.81	94	96	80-120			3	20
Lead,Dissolved	0.0500	0.0498	0.0497	100	99	80-120			0	20
Manganese,Dissolved	0.0500	0.0487	0.0490	97	98	80-120			1	20
Selenium,Dissolved	0.0500	0.0479	0.0484	96	97	80-120			1	20

L760254-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 04/28/15 01:59 • (MS) 04/28/15 06:21 • (MSD) 04/28/15 06:47

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic,Dissolved	0.0500	0.00529	0.0631	0.0602	116	110	1	75-125			5	20
Barium,Dissolved	0.0500	0.0110	0.0589	0.0601	96	98	1	75-125			2	20
Chromium,Dissolved	0.0500	0.000307	0.0473	0.0470	94	93	1	75-125			1	20
Iron,Dissolved	5.00	0.0879	4.55	4.75	89	93	1	75-125			4	20
Lead,Dissolved	0.0500	0.0000712	0.0495	0.0503	99	100	1	75-125			2	20
Manganese,Dissolved	0.0500	0.541	0.575	0.572	68	61	1	75-125	V	V	1	20
Selenium,Dissolved	0.0500	0.000203	0.0515	0.0510	103	102	1	75-125			1	20



Method Blank (MB)

(MB) 04/28/15 16:29

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Arsenic,Dissolved	U		0.00025	0.00200
Barium,Dissolved	U		0.00036	0.00500
Chromium,Dissolved	0.000561		0.00054	0.00200
Iron,Dissolved	U		0.015	0.100
Lead,Dissolved	U		0.00024	0.00200
Manganese,Dissolved	U		0.00025	0.00500
Nickel,Dissolved	U		0.00035	0.00200
Selenium,Dissolved	U		0.00038	0.00200
Vanadium,Dissolved	U		0.00018	0.00500

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

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

(LCS) 04/28/15 16:32 • (LCSD) 04/28/15 16:34

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Arsenic,Dissolved	0.0500	0.0496	0.0499	99	100	80-120			1	20
Barium,Dissolved	0.0500	0.0473	0.0507	95	101	80-120			7	20
Chromium,Dissolved	0.0500	0.0493	0.0505	99	101	80-120			3	20
Iron,Dissolved	5.00	4.72	4.81	94	96	80-120			2	20
Lead,Dissolved	0.0500	0.0493	0.0514	99	103	80-120			4	20
Manganese,Dissolved	0.0500	0.0493	0.0491	99	98	80-120			0	20
Nickel,Dissolved	0.0500	0.0490	0.0500	98	100	80-120			2	20
Selenium,Dissolved	0.0500	0.0510	0.0519	102	104	80-120			2	20
Vanadium,Dissolved	0.0500	0.0491	0.0494	98	99	80-120			1	20

L760264-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 04/28/15 16:36 • (MS) 04/28/15 16:41 • (MSD) 04/28/15 16:43

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic,Dissolved	0.0500	0.00273	0.0556	0.0567	106	108	1	75-125			2	20
Barium,Dissolved	0.0500	0.0127	0.0756	0.0633	126	101	1	75-125	J5		18	20
Chromium,Dissolved	0.0500	0.000373	0.0490	0.0485	97	96	1	75-125			1	20
Iron,Dissolved	5.00	0.00367	4.68	4.67	94	93	1	75-125			0	20
Lead,Dissolved	0.0500	0.0000791	0.0495	0.0513	99	102	1	75-125			4	20
Manganese,Dissolved	0.0500	0.894	0.946	0.938	105	88	1	75-125			1	20
Nickel,Dissolved	0.0500	0.00402	0.0516	0.0514	95	95	1	75-125			0	20
Selenium,Dissolved	0.0500	0.00180	0.0570	0.0552	110	107	1	75-125			3	20



L760264-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 04/28/15 16:36 • (MS) 04/28/15 16:41 • (MSD) 04/28/15 16:43

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Vanadium,Dissolved	0.0500	0.00991	0.0594	0.0585	99	97	1	75-125			1	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc



Method Blank (MB)

(MB) 04/24/15 18:30

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) Low Fraction	U		0.0314	0.100
(S) a,a,a-Trifluorotoluene(FID)	96.2			62.0-128

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

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

(LCS) 04/24/15 16:25 • (LCSD) 04/24/15 16:50

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) Low Fraction	5.50	5.81	5.76	106	105	67.0-132			0.800	20
(S) a,a,a-Trifluorotoluene(FID)				105	104	62.0-128				

L760247-18 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 04/24/15 18:55 • (MS) 04/24/15 17:15 • (MSD) 04/24/15 17:40

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) Low Fraction	5.50	ND	5.90	5.69	107	103	1	50.0-143			3.76	20
(S) a,a,a-Trifluorotoluene(FID)					104	104		62.0-128				



Method Blank (MB)

(MB) 04/22/15 03:36

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	mg/l		mg/l	mg/l
TPH (GC/FID) Low Fraction	U		0.0314	0.100
(S) a,a,a-Trifluorotoluene(FID)	92.3			62.0-128

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

(LCS) 04/22/15 01:11 • (LCSD) 04/22/15 01:33

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	mg/l	mg/l	mg/l	%	%	%			%	%
TPH (GC/FID) Low Fraction	5.50	4.21	5.82	76.5	106	67.0-132		J3	32.1	20
(S) a,a,a-Trifluorotoluene(FID)				97.6	96.8	62.0-128				

L760254-11 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 04/22/15 03:58 • (MS) 04/22/15 02:30 • (MSD) 04/22/15 02:52

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	mg/l	mg/l	mg/l	mg/l	%	%		%			%	%
TPH (GC/FID) Low Fraction	5.50	ND	4.50	4.94	81.8	89.8	1	50.0-143			9.37	20
(S) a,a,a-Trifluorotoluene(FID)					98.4	98.8		62.0-128				



Method Blank (MB)

(MB) 04/23/15 20:56

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acetone	U		0.0100	0.0500
Benzene	U		0.000331	0.00100
Bromodichloromethane	U		0.000380	0.00100
Bromoform	U		0.000469	0.00100
Bromomethane	U		0.000866	0.00500
n-Butylbenzene	U		0.000361	0.00100
sec-Butylbenzene	U		0.000365	0.00100
Carbon disulfide	U		0.000275	0.00100
Carbon tetrachloride	U		0.000379	0.00100
Chlorobenzene	U		0.000348	0.00100
Chlorodibromomethane	U		0.000327	0.00100
Chloroethane	U		0.000453	0.00500
Chloroform	U		0.000324	0.00500
Chloromethane	U		0.000276	0.00250
1,2-Dibromoethane	U		0.000381	0.00100
1,1-Dichloroethane	U		0.000259	0.00100
1,2-Dichloroethane	U		0.000361	0.00100
1,1-Dichloroethene	U		0.000398	0.00100
cis-1,2-Dichloroethene	U		0.000260	0.00100
trans-1,2-Dichloroethene	U		0.000396	0.00100
1,2-Dichloropropane	U		0.000306	0.00100
cis-1,3-Dichloropropene	U		0.000418	0.00100
trans-1,3-Dichloropropene	U		0.000419	0.00100
Ethylbenzene	U		0.000384	0.00100
2-Hexanone	U		0.00382	0.0100
Isopropylbenzene	U		0.000326	0.00100
p-Isopropyltoluene	U		0.000350	0.00100
2-Butanone (MEK)	U		0.00393	0.0100
Methylene Chloride	U		0.00100	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.00214	0.0100
Methyl tert-butyl ether	U		0.000367	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.000349	0.00100
Styrene	U		0.000307	0.00100
1,1,1,2-Tetrachloroethane	U		0.000385	0.00100
1,1,2,2-Tetrachloroethane	U		0.000130	0.00100
Tetrachloroethene	U		0.000372	0.00100
Toluene	U		0.000780	0.00500
1,1,1-Trichloroethane	U		0.000319	0.00100

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc



Method Blank (MB)

(MB) 04/23/15 20:56

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
1,1,2-Trichloroethane	U		0.000383	0.00100
Trichloroethene	U		0.000398	0.00100
1,2,4-Trimethylbenzene	U		0.000373	0.00100
1,3,5-Trimethylbenzene	U		0.000387	0.00100
Vinyl chloride	U		0.000259	0.00100
Xylenes, Total	U		0.00106	0.00300
o-Xylene	U		0.000341	0.00100
m&p-Xylenes	U		0.000719	0.00200
(S) Toluene-d8	105			88.5-111
(S) Dibromofluoromethane	101			78.3-121
(S) 4-Bromofluorobenzene	102			71.0-126

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

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

(LCS) 04/23/15 20:01 • (LCSD) 04/23/15 20:20

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	0.198	0.190	158	152	35.6-163			4.30	23.9
Benzene	0.0250	0.0243	0.0265	97.3	106	74.8-121			8.65	20
Bromodichloromethane	0.0250	0.0241	0.0256	96.5	102	75.1-116			5.90	20
Bromoform	0.0250	0.0254	0.0259	102	104	67.5-130			2.17	20
Bromomethane	0.0250	0.0219	0.0232	87.4	92.9	49.9-162			6.07	20
n-Butylbenzene	0.0250	0.0243	0.0286	97.1	114	76.2-126			16.4	20
sec-Butylbenzene	0.0250	0.0257	0.0290	103	116	74.4-127			11.8	20
Carbon disulfide	0.0250	0.0283	0.0266	113	106	64.6-140			6.29	20
Carbon tetrachloride	0.0250	0.0258	0.0280	103	112	70.2-123			8.34	20
Chlorobenzene	0.0250	0.0244	0.0273	97.5	109	78.1-119			11.2	20
Chlorodibromomethane	0.0250	0.0243	0.0267	97.0	107	74.0-121			9.50	20
Chloroethane	0.0250	0.0212	0.0234	85.0	93.7	61.7-135			9.78	20
Chloroform	0.0250	0.0246	0.0266	98.3	106	76.0-121			7.77	20
Chloromethane	0.0250	0.0254	0.0278	102	111	61.5-129			8.91	20
1,2-Dibromoethane	0.0250	0.0240	0.0255	95.8	102	76.6-121			6.41	20
1,1-Dichloroethane	0.0250	0.0246	0.0267	98.3	107	70.7-126			8.43	20
1,2-Dichloroethane	0.0250	0.0246	0.0255	98.5	102	68.8-124			3.45	20
1,1-Dichloroethene	0.0250	0.0253	0.0282	101	113	67.8-129			11.0	20
cis-1,2-Dichloroethene	0.0250	0.0238	0.0260	95.4	104	76.0-119			8.66	20
trans-1,2-Dichloroethene	0.0250	0.0241	0.0262	96.4	105	72.6-121			8.28	20
1,2-Dichloropropane	0.0250	0.0236	0.0256	94.5	102	76.5-119			7.89	20

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

(LCS) 04/23/15 20:01 • (LCSD) 04/23/15 20:20

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
cis-1,3-Dichloropropene	0.0250	0.0242	0.0260	96.7	104	78.2-120			7.35	20
trans-1,3-Dichloropropene	0.0250	0.0249	0.0259	99.8	104	74.3-123			3.94	20
Ethylbenzene	0.0250	0.0235	0.0265	94.0	106	78.8-122			12.0	20
2-Hexanone	0.125	0.138	0.137	111	109	65.6-144			1.08	20
Isopropylbenzene	0.0250	0.0246	0.0276	98.5	111	78.6-132			11.6	20
p-Isopropyltoluene	0.0250	0.0257	0.0287	103	115	74.0-131			11.2	20
2-Butanone (MEK)	0.125	0.145	0.135	116	108	55.0-149			7.09	20
Methylene Chloride	0.0250	0.0218	0.0240	87.2	96.1	70.3-120			9.70	20
4-Methyl-2-pentanone (MIBK)	0.125	0.126	0.123	101	98.7	70.5-133			2.05	20
Methyl tert-butyl ether	0.0250	0.0234	0.0238	93.8	95.2	71.2-126			1.53	20
Naphthalene	0.0250	0.0230	0.0251	92.0	100	68.4-128			8.73	20
n-Propylbenzene	0.0250	0.0249	0.0277	99.7	111	78.2-122			10.7	20
Styrene	0.0250	0.0234	0.0257	93.7	103	80.4-126			9.17	20
1,1,1,2-Tetrachloroethane	0.0250	0.0244	0.0260	97.8	104	74.2-124			6.34	20
1,1,2,2-Tetrachloroethane	0.0250	0.0248	0.0250	99.1	100	70.7-122			0.870	20
Tetrachloroethene	0.0250	0.0265	0.0290	106	116	72.6-126			9.10	20
Toluene	0.0250	0.0237	0.0264	94.8	106	79.7-116			10.9	20
1,1,1-Trichloroethane	0.0250	0.0252	0.0277	101	111	73.2-123			9.24	20
1,1,2-Trichloroethane	0.0250	0.0242	0.0259	96.7	103	77.7-118			6.74	20
Trichloroethene	0.0250	0.0251	0.0280	101	112	77.7-118			10.9	20
1,2,4-Trimethylbenzene	0.0250	0.0243	0.0271	97.1	109	75.0-123			11.1	20
1,3,5-Trimethylbenzene	0.0250	0.0246	0.0276	98.3	111	75.6-124			11.7	20
Vinyl chloride	0.0250	0.0245	0.0275	97.9	110	65.9-128			11.5	20
Xylenes, Total	0.0750	0.0716	0.0802	95.5	107	78.7-121			11.3	20
o-Xylene	0.0250	0.0240	0.0268	96.1	107	77.6-122			10.9	20
m&p-Xylenes	0.0500	0.0476	0.0534	95.2	107	78.8-121			11.6	20
(S) Toluene-d8				102	102	88.5-111				
(S) Dibromofluoromethane				98.3	96.3	78.3-121				
(S) 4-Bromofluorobenzene				101	98.8	71.0-126				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

L760282-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 04/23/15 23:21 • (MS) 04/23/15 21:47 • (MSD) 04/23/15 22:06

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	0.00583	0.128	0.125	97.7	95.0	1	10.0-130			2.62	27.9
Benzene	0.0250	ND	0.0239	0.0204	95.5	81.6	1	54.3-133			15.7	20
Bromodichloromethane	0.0250	ND	0.0238	0.0215	95.2	86.0	1	63.9-121			10.2	20

L760282-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 04/23/15 23:21 • (MS) 04/23/15 21:47 • (MSD) 04/23/15 22:06

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Bromoform	0.0250	ND	0.0251	0.0239	100	95.8	1	59.5-134			4.71	20.5
Bromomethane	0.0250	ND	0.0188	0.0171	75.1	68.2	1	41.7-155			9.58	21.9
n-Butylbenzene	0.0250	ND	0.0212	0.0184	85.0	73.4	1	62.7-140			14.6	20.3
sec-Butylbenzene	0.0250	ND	0.0235	0.0194	93.9	77.6	1	62.2-136			19.0	20.3
Carbon disulfide	0.0250	ND	0.0203	0.0178	81.1	71.2	1	43.3-149			13.0	20.3
Carbon tetrachloride	0.0250	ND	0.0227	0.0189	90.7	75.7	1	55.7-134			18.1	20
Chlorobenzene	0.0250	ND	0.0246	0.0205	98.4	82.1	1	67.0-125			18.0	20
Chlorodibromomethane	0.0250	ND	0.0251	0.0233	100	93.1	1	64.3-125			7.52	20.8
Chloroethane	0.0250	ND	0.0198	0.0165	79.4	65.9	1	51.5-136			18.5	40
Chloroform	0.0250	ND	0.0252	0.0218	101	87.4	1	63.0-129			14.3	20
Chloromethane	0.0250	ND	0.0218	0.0195	87.3	77.8	1	42.4-135			11.5	20
1,2-Dibromoethane	0.0250	ND	0.0252	0.0224	101	89.4	1	67.1-125			11.8	20
1,1-Dichloroethane	0.0250	ND	0.0239	0.0207	95.5	83.0	1	58.5-132			14.0	20
1,2-Dichloroethane	0.0250	ND	0.0250	0.0223	99.9	89.1	1	60.0-126			11.4	20
1,1-Dichloroethene	0.0250	ND	0.0220	0.0185	88.2	74.0	1	51.1-140			17.4	20.2
cis-1,2-Dichloroethene	0.0250	ND	0.0239	0.0210	95.5	84.2	1	59.2-129			12.6	20
trans-1,2-Dichloroethene	0.0250	ND	0.0216	0.0184	86.3	73.5	1	56.5-129			16.0	20
1,2-Dichloropropane	0.0250	ND	0.0237	0.0212	94.6	84.7	1	64.2-123			11.1	20
cis-1,3-Dichloropropene	0.0250	ND	0.0225	0.0208	90.1	83.3	1	66.4-125			7.87	20
trans-1,3-Dichloropropene	0.0250	ND	0.0239	0.0223	95.4	89.2	1	64.1-128			6.75	20
Ethylbenzene	0.0250	ND	0.0225	0.0189	90.0	75.4	1	61.4-133			17.6	20
2-Hexanone	0.125	ND	0.118	0.114	94.5	91.5	1	43.3-137			3.17	25.5
Isopropylbenzene	0.0250	ND	0.0234	0.0189	93.8	75.5	1	66.8-141		J3	21.6	20
p-Isopropyltoluene	0.0250	ND	0.0235	0.0191	94.0	76.3	1	63.2-139		J3	20.7	20.4
2-Butanone (MEK)	0.125	ND	0.123	0.112	98.6	89.7	1	22.4-138			9.42	27
Methylene Chloride	0.0250	ND	0.0221	0.0193	88.3	77.2	1	58.1-122			13.4	20
4-Methyl-2-pentanone (MIBK)	0.125	ND	0.125	0.123	100	98.2	1	60.8-140			1.92	25.1
Methyl tert-butyl ether	0.0250	ND	0.0234	0.0219	93.7	87.8	1	57.7-134			6.54	20
Naphthalene	0.0250	ND	0.0224	0.0220	89.5	88.2	1	58.0-135			1.47	25.5
n-Propylbenzene	0.0250	ND	0.0227	0.0191	91.0	76.2	1	65.9-131			17.6	20
Styrene	0.0250	ND	0.0229	0.0193	91.7	77.1	1	66.8-133			17.2	20
1,1,1,2-Tetrachloroethane	0.0250	ND	0.0252	0.0212	101	84.8	1	64.0-128			17.2	20
1,1,2,2-Tetrachloroethane	0.0250	ND	0.0251	0.0234	100	93.7	1	56.0-132			6.82	22.2
Tetrachloroethene	0.0250	ND	0.0224	0.0189	89.6	75.8	1	53.0-139			16.7	20
Toluene	0.0250	ND	0.0227	0.0196	90.6	78.6	1	61.4-130			14.3	20
1,1,1-Trichloroethane	0.0250	ND	0.0239	0.0198	95.6	79.1	1	58.7-134			18.9	20
1,1,2-Trichloroethane	0.0250	ND	0.0248	0.0225	99.1	90.0	1	66.3-125			9.64	20
Trichloroethene	0.0250	ND	0.0236	0.0200	94.4	80.1	1	44.1-149			16.4	20
1,2,4-Trimethylbenzene	0.0250	ND	0.0231	0.0194	92.3	77.7	1	57.4-137			17.2	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc



L760282-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 04/23/15 23:21 • (MS) 04/23/15 21:47 • (MSD) 04/23/15 22:06

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
1,3,5-Trimethylbenzene	0.0250	ND	0.0232	0.0192	92.8	76.8	1	63.6-132			19.0	20.5
Vinyl chloride	0.0250	ND	0.0211	0.0178	84.5	71.2	1	47.8-137			17.0	20
Xylenes, Total	0.0750	ND	0.0681	0.0575	90.8	76.6	1	63.3-131			16.9	20
o-Xylene	0.0250	ND	0.0232	0.0197	92.9	78.9	1	63.3-130			16.3	20
m&p-Xylenes	0.0500	ND	0.0449	0.0378	89.8	75.5	1	61.7-133			17.3	20
(S) Toluene-d8					102	102		88.5-111				
(S) Dibromofluoromethane					99.8	99.9		78.3-121				
(S) 4-Bromofluorobenzene					102	98.5		71.0-126				

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc



Method Blank (MB)

(MB) 04/21/15 21:17

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) High Fraction	U		0.0247	0.100
(S) o-Terphenyl	109			50.0-150

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

(LCS) 04/21/15 21:37 • (LCSD) 04/21/15 21:56

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) High Fraction	1.50	1.52	1.49	101	99.1	50.0-150			2.29	20
(S) o-Terphenyl				114	112	50.0-150				



Abbreviations and Definitions

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

Qualifier	Description
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.
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.
O1	The analyte failed the method required serial dilution test and/or subsequent post-spike criteria. These failures indicate matrix interference.
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		

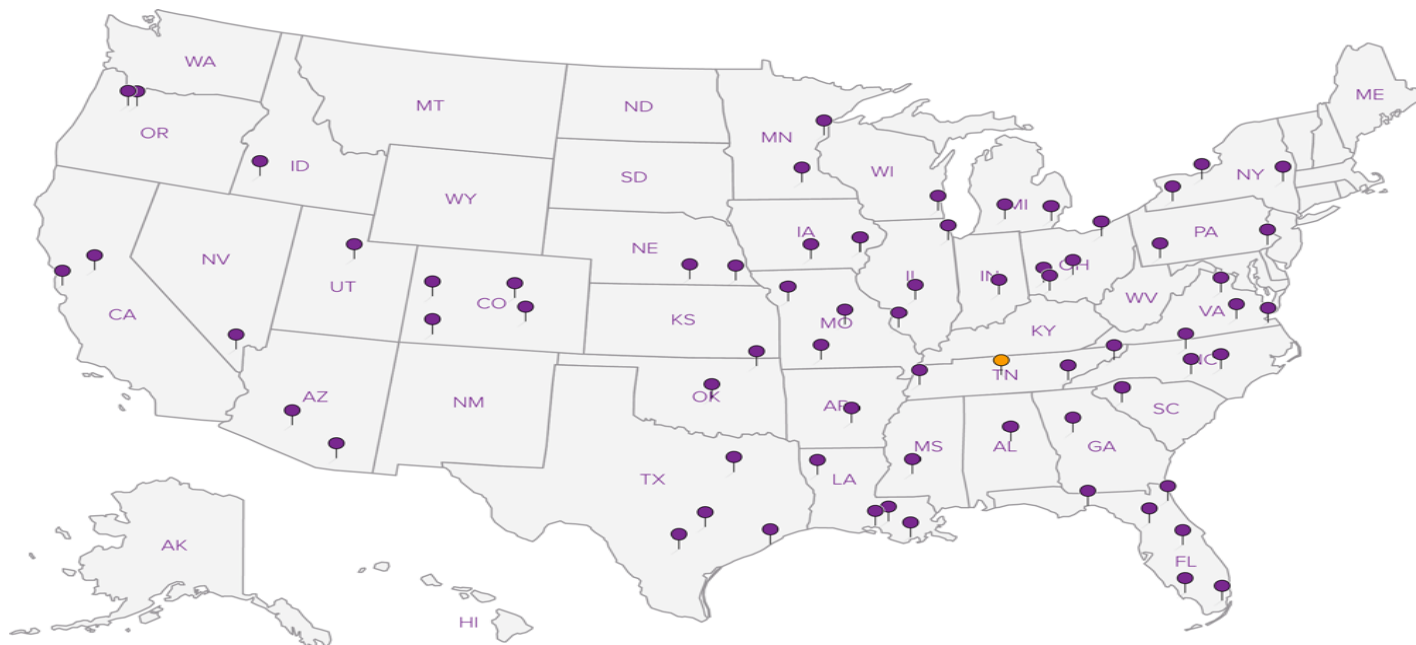
¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold ^{n/a} Accreditation not applicable

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.**



ARCADIS, Inc. 2929 Briarpark Drive, Suite 300 Houston, TX 77042				Billing Information:				Analysis / Container / Preservative												Chain of Custody Page <u>30</u> of <u>34</u> 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 			
				Report to: Pam Krueger Email To: pam.krueger@arcadis-us.com; maisha.turner@arcadis-us.com; melissa.osborne@arcadis-us.com																			
Project Navajo Refining Company				City/State Artesia, NM				DRO 8015 GRO 8015 Volatiles 8260 (Extended List) Total Metals: As, Ba, Cr, Fe, Pb, Mn, Se <u>22</u> Total Metals: As, Ba, Cr, Fe, Pb, Mn, Ni, Se, V, Hg <u>22</u> Dis Metals: (FFiltered) As, Ba, Cr, Fe, Pb, Mn, Se <u>22</u> Dis Metals: (FFiltered) As, Ba, Cr, Fe, Pb, Mn, Ni, Se, V <u>22</u> Cyanide <u>712</u> Anions: Chloride, Fluoride, Sulfate Cations: Ca, K, Na (from Total Metals container) <u>22</u> NO2 / NO3 <u>22</u> TDS												L# <u>L760254</u> T# <u>K177</u> Acctnum: ARCADHTX Template: T101410 Prelogin: TSR: Pam Langford PB: <u>3-31-15 M</u> Shipped Via:			
Phone: 713-953-4816 Fax: 713-977-4620				Email To: pam.krueger@arcadis-us.com; maisha.turner@arcadis-us.com; melissa.osborne@arcadis-us.com																			
Project Navajo Refining Company				City/State Artesia, NM																			
Lab Project # ARCADHTX-NAVAJO FULL																							
P.O. #																							
Collected by (print): <u>Scott Duncan + HM I</u>				Site/Facility ID #				Rush? (Lab MUST Be Notified) ☐ Next Day100% ☐ Two Day50% ☐ Three Day25%												Date Results Needed			
Collected by (signature): <u>Scott Ude</u>				Email? ☐ No ☐ Yes FAX? ☐ No ☐ Yes				No. of Cntr												Immediately Iced? N ☐ Y ☒			
Sample ID				Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntr														
<u>MW-123</u>				<u>6</u>	<u>GW</u>					☒												<u>50</u>	
<u>MW-4A</u>							<u>4/17/15</u>	<u>1210</u>	<u>12</u>	☒												<u>-01</u>	
<u>MW-4B</u>										☒												<u>54</u>	
<u>MW-5A</u>							<u>4/16/15</u>	<u>955</u>	<u>12</u>	☒												<u>-02</u>	
<u>MW-5B</u>								<u>1215</u>	<u>12</u>	☒												<u>-03</u>	
<u>MW-5C</u>								<u>1100</u>	<u>12</u>	☒												<u>-04</u>	
<u>MW-7A</u>								<u>1320</u>	<u>12</u>	☒												<u>-05</u>	
<u>MW-7B</u>								<u>1430</u>	<u>12</u>	☒												<u>-06</u>	
<u>OCD-8A</u>								<u>1525</u>	<u>13</u>	☒												<u>-07</u>	
<u>OCD-8B</u>				<u>↓</u>	<u>↓</u>		<u>↓</u>	<u>1615</u>	<u>12</u>	☒												<u>-08</u>	

* Matrix: SS - Soil GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other _____				pH _____ Temp _____ Flow _____ Other _____				Hold #															
Remarks:																							
Relinquished by: (Signature) <u>Scott Ude</u>				Date: <u>4/17/15</u>		Time: <u>1600</u>		Received by: (Signature)				Samples returned via: ☐ UPS ☒ FedEx ☐ Courier ☐ _____				Condition: (lab use only)							
Relinquished by: (Signature)				Date:		Time:		Received by: (Signature)				Temp: _____ °C <u>34</u>				COC Seal Intact: ☒ Y ☐ N ☐ NA							
Relinquished by: (Signature)				Date:		Time:		Received for lab by: (Signature)				Date: <u>4/18/15</u>				pH Checked: <u>7.12</u>				NCF:			

71

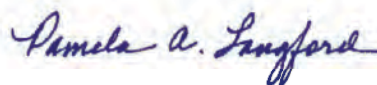
NCF:	
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Remarks/Comments

ARCADIS US - TX

Sample Delivery Group: L760264
Samples Received: 04/18/2015
Project Number: TX000836.0007.15008
Description: Navajo Refining Company - Artesia, NM
Site: REST
Report To: Pam Krueger
2929 Briarpark Dr., Suite 300
Houston, TX 77042

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.



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SAMPLE SUMMARY

ONE LAB. NATIONWIDE.



MW-28 L760264-01 GW

Collected by
Scott Ude

Collected date/time
04/16/15 14:00

Received date/time
04/18/15 09:00

¹ Cp

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analysis Analyst
Gravimetric Analysis by Method 2540 C-2011	WG783825	1	04/23/15 13:49	04/25/15 11:18	JG
Mercury by Method 7470A	WG783354	1	04/21/15 01:24	04/21/15 12:11	ESC
Metals (ICPMS) by Method 6020	WG783157	1	04/21/15 14:23	04/25/15 01:08	JD
Metals (ICPMS) by Method 6020	WG783445	1	04/28/15 09:20	04/28/15 17:50	JD
Metals (ICPMS) by Method 6020	WG785470	1	04/29/15 10:19	04/29/15 22:38	VSS
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG783366	5	04/21/15 17:42	04/24/15 16:39	JNS
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG783227	5	04/22/15 06:55	04/22/15 06:55	MCB
Volatile Organic Compounds (GC/MS) by Method 8260B	WG783748	100	04/24/15 08:22	04/24/15 08:22	KLO
Wet Chemistry by Method 353.2	WG785026	20	05/01/15 02:05	05/01/15 02:05	JAL
Wet Chemistry by Method 9012B	WG784739	1	04/30/15 08:14	04/30/15 12:59	ASK
Wet Chemistry by Method 9056MOD	WG784716	1	04/28/15 23:48	04/28/15 23:48	NJM
Wet Chemistry by Method 9056MOD	WG784716	100	04/29/15 14:04	04/29/15 14:04	NJM

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

MW-59 L760264-02 GW

Collected by
Scott Ude

Collected date/time
04/16/15 15:10

Received date/time
04/18/15 09:00

⁸ Al

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analysis Analyst
Gravimetric Analysis by Method 2540 C-2011	WG783825	1	04/23/15 13:49	04/25/15 11:18	JG
Metals (ICPMS) by Method 6020	WG783157	1	04/21/15 14:23	04/25/15 01:11	JD
Metals (ICPMS) by Method 6020	WG783445	1	04/28/15 09:20	04/28/15 17:52	JD
Metals (ICPMS) by Method 6020	WG783445	5	04/28/15 09:20	04/28/15 18:22	JD
Metals (ICPMS) by Method 6020	WG785470	1	04/29/15 10:19	04/29/15 22:41	VSS
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG783366	1	04/21/15 17:42	04/23/15 21:03	JNS
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG783227	1	04/22/15 07:27	04/22/15 07:27	MCB
Volatile Organic Compounds (GC/MS) by Method 8260B	WG783748	1	04/24/15 08:41	04/24/15 08:41	KLO
Wet Chemistry by Method 353.2	WG785026	1	05/01/15 02:06	05/01/15 02:06	JAL
Wet Chemistry by Method 9056MOD	WG784716	1	04/29/15 00:03	04/29/15 00:03	NJM
Wet Chemistry by Method 9056MOD	WG784716	100	04/29/15 14:19	04/29/15 14:19	NJM

⁹ Sc

MW-60 L760264-03 GW

Collected by
Scott Ude

Collected date/time
04/16/15 16:10

Received date/time
04/18/15 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analysis Analyst
Gravimetric Analysis by Method 2540 C-2011	WG783825	1	04/23/15 13:49	04/25/15 11:18	JG
Mercury by Method 7470A	WG783354	1	04/21/15 01:24	04/21/15 12:14	ESC
Metals (ICPMS) by Method 6020	WG783157	1	04/21/15 14:23	04/25/15 01:13	JD
Metals (ICPMS) by Method 6020	WG783157	5	04/21/15 14:23	04/24/15 19:30	VSS
Metals (ICPMS) by Method 6020	WG783445	1	04/28/15 09:20	04/28/15 17:55	JD
Metals (ICPMS) by Method 6020	WG783445	5	04/28/15 09:20	04/28/15 18:25	JD
Metals (ICPMS) by Method 6020	WG785470	1	04/29/15 10:19	04/29/15 22:44	VSS
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG783366	1	04/21/15 17:42	04/23/15 21:21	JNS
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG785183	1	04/28/15 18:31	04/28/15 18:31	MCB
Volatile Organic Compounds (GC/MS) by Method 8260B	WG784762	1	04/26/15 22:09	04/26/15 22:09	JC
Wet Chemistry by Method 353.2	WG785026	10	05/01/15 02:07	05/01/15 02:07	JAL
Wet Chemistry by Method 9012B	WG784739	1	04/30/15 08:14	04/30/15 13:01	ASK
Wet Chemistry by Method 9056MOD	WG784716	1	04/29/15 00:18	04/29/15 00:18	NJM
Wet Chemistry by Method 9056MOD	WG784716	100	04/29/15 15:03	04/29/15 15:03	NJM

Collected by
Scott Ude

Collected date/time
04/16/15 12:50

Received date/time
04/18/15 09:00

MW-107 L760264-04 GW

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analysis Analyst
Gravimetric Analysis by Method 2540 C-2011	WG783825	1	04/23/15 13:49	04/25/15 11:18	JG
Metals (ICPMS) by Method 6020	WG783157	1	04/21/15 14:23	04/25/15 01:48	JD

SAMPLE SUMMARY

ONE LAB. NATIONWIDE.



MW-107 L760264-04 GW

			Collected by Scott Ude	Collected date/time 04/16/15 12:50	Received date/time 04/18/15 09:00	1 Cp
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analysis Analyst	
Metals (ICPMS) by Method 6020	WG783445	1	04/28/15 09:20	04/28/15 17:57	JD	2 Tc
Metals (ICPMS) by Method 6020	WG783445	5	04/28/15 09:20	04/28/15 18:27	JD	3 Ss
Metals (ICPMS) by Method 6020	WG785470	1	04/29/15 10:19	04/30/15 00:57	AB	4 Cn
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG783366	1	04/21/15 17:42	04/23/15 21:40	JNS	5 Sr
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG785183	10	04/28/15 22:59	04/28/15 22:59	MCB	6 Qc
Volatile Organic Compounds (GC/MS) by Method 8260B	WG783748	10	04/24/15 09:20	04/24/15 09:20	KLO	7 Gl
Volatile Organic Compounds (GC/MS) by Method 8260B	WG784762	200	04/27/15 03:52	04/27/15 03:52	JC	8 Al
Wet Chemistry by Method 353.2	WG785026	1	05/01/15 02:12	05/01/15 02:12	JAL	9 Sc
Wet Chemistry by Method 9056MOD	WG784716	1	04/29/15 00:33	04/29/15 00:33	NJM	
Wet Chemistry by Method 9056MOD	WG784716	10	04/29/15 15:18	04/29/15 15:18	NJM	

MW-128 L760264-05 GW

			Collected by Scott Ude	Collected date/time 04/16/15 11:45	Received date/time 04/18/15 09:00	1 Cp
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analysis Analyst	
Gravimetric Analysis by Method 2540 C-2011	WG783825	1	04/23/15 13:49	04/25/15 11:20	JG	2 Tc
Metals (ICPMS) by Method 6020	WG783157	1	04/21/15 14:23	04/25/15 01:51	VSS	3 Ss
Metals (ICPMS) by Method 6020	WG783445	1	04/28/15 09:20	04/28/15 17:59	JD	4 Cn
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG783366	1	04/21/15 17:42	04/23/15 21:59	JNS	5 Sr
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG783227	1	04/22/15 10:58	04/22/15 10:58	MCB	6 Qc
Volatile Organic Compounds (GC/MS) by Method 8260B	WG783748	1	04/24/15 09:39	04/24/15 09:39	KLO	7 Gl
Volatile Organic Compounds (GC/MS) by Method 8260B	WG784762	25	04/27/15 04:12	04/27/15 04:12	JC	8 Al
Wet Chemistry by Method 353.2	WG785026	1	05/01/15 02:13	05/01/15 02:13	JAL	9 Sc
Wet Chemistry by Method 9056MOD	WG784716	1	04/29/15 00:48	04/29/15 00:48	NJM	
Wet Chemistry by Method 9056MOD	WG784716	10	04/29/15 15:33	04/29/15 15:33	NJM	

MW-125 L760264-06 GW

			Collected by Scott Ude	Collected date/time 04/16/15 10:35	Received date/time 04/18/15 09:00	1 Cp
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analysis Analyst	
Gravimetric Analysis by Method 2540 C-2011	WG783825	1	04/23/15 13:49	04/25/15 11:19	JG	2 Tc
Metals (ICPMS) by Method 6020	WG783157	1	04/21/15 14:23	04/25/15 01:54	VSS	3 Ss
Metals (ICPMS) by Method 6020	WG783445	1	04/28/15 09:20	04/28/15 18:01	JD	4 Cn
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG783366	1	04/21/15 17:42	04/23/15 22:17	JNS	5 Sr
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG783227	1	04/22/15 11:20	04/22/15 11:20	MCB	6 Qc
Volatile Organic Compounds (GC/MS) by Method 8260B	WG783748	1	04/24/15 09:58	04/24/15 09:58	KLO	7 Gl
Volatile Organic Compounds (GC/MS) by Method 8260B	WG784762	1	04/27/15 04:33	04/27/15 04:33	JC	8 Al
Wet Chemistry by Method 353.2	WG785026	1	05/01/15 02:14	05/01/15 02:14	JAL	9 Sc
Wet Chemistry by Method 9056MOD	WG784716	1	04/29/15 01:03	04/29/15 01:03	NJM	
Wet Chemistry by Method 9056MOD	WG784716	100	04/29/15 15:48	04/29/15 15:48	NJM	

MW-116 L760264-07 GW

			Collected by Scott Ude	Collected date/time 04/16/15 09:45	Received date/time 04/18/15 09:00	1 Cp
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analysis Analyst	
Gravimetric Analysis by Method 2540 C-2011	WG783825	1	04/23/15 13:49	04/25/15 11:18	JG	2 Tc
Metals (ICPMS) by Method 6020	WG783157	1	04/21/15 14:23	04/25/15 00:58	VSS	3 Ss
Metals (ICPMS) by Method 6020	WG783445	1	04/28/15 09:20	04/28/15 18:04	JD	4 Cn
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG783366	1	04/21/15 17:42	04/23/15 22:36	JNS	5 Sr
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG783227	1	04/22/15 11:42	04/22/15 11:42	MCB	6 Qc
Volatile Organic Compounds (GC/MS) by Method 8260B	WG783748	1	04/24/15 10:18	04/24/15 10:18	KLO	7 Gl
Wet Chemistry by Method 353.2	WG785026	1	05/01/15 02:17	05/01/15 02:17	JAL	8 Al
Wet Chemistry by Method 9056MOD	WG784716	1	04/29/15 01:18	04/29/15 01:18	NJM	9 Sc
Wet Chemistry by Method 9056MOD	WG784716	100	04/29/15 16:03	04/29/15 16:03	NJM	

SAMPLE SUMMARY

ONE LAB. NATIONWIDE.



MW-115 L760264-08 GW

Collected by
Scott UdeCollected date/time
04/16/15 09:50Received date/time
04/18/15 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analysis Analyst
Gravimetric Analysis by Method 2540 C-2011	WG783999	1	04/23/15 15:46	04/25/15 12:14	JG
Metals (ICPMS) by Method 6020	WG783157	1	04/21/15 14:23	04/25/15 01:56	JD
Metals (ICPMS) by Method 6020	WG783445	1	04/28/15 09:20	04/28/15 18:06	JD
Metals (ICPMS) by Method 6020	WG785470	1	04/29/15 10:19	04/30/15 01:00	AB
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG783366	1	04/21/15 17:42	04/23/15 22:55	JNS
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG783227	1	04/22/15 12:04	04/22/15 12:04	MCB
Volatile Organic Compounds (GC/MS) by Method 8260B	WG783748	1	04/24/15 10:37	04/24/15 10:37	KLO
Wet Chemistry by Method 353.2	WG785026	1	05/01/15 02:18	05/01/15 02:18	JAL
Wet Chemistry by Method 9056MOD	WG784716	1	04/29/15 01:33	04/29/15 01:33	NJM
Wet Chemistry by Method 9056MOD	WG784716	100	04/29/15 16:18	04/29/15 16:18	NJM

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc

MW-114 L760264-09 GW

Collected by
Scott UdeCollected date/time
04/16/15 10:45Received date/time
04/18/15 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analysis Analyst
Gravimetric Analysis by Method 2540 C-2011	WG783999	1	04/23/15 15:46	04/25/15 12:15	JG
Metals (ICPMS) by Method 6020	WG783157	1	04/21/15 14:23	04/25/15 01:59	JD
Metals (ICPMS) by Method 6020	WG783445	1	04/28/15 09:20	04/28/15 16:36	JD
Metals (ICPMS) by Method 6020	WG785470	1	04/29/15 10:19	04/30/15 01:02	AB
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG783366	1	04/21/15 17:42	04/23/15 23:13	JNS
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG783227	1	04/22/15 12:26	04/22/15 12:26	MCB
Volatile Organic Compounds (GC/MS) by Method 8260B	WG784762	1	04/27/15 04:53	04/27/15 04:53	JC
Wet Chemistry by Method 353.2	WG785026	1	05/01/15 02:19	05/01/15 02:19	JAL
Wet Chemistry by Method 9056MOD	WG784716	1	04/29/15 01:47	04/29/15 01:47	NJM
Wet Chemistry by Method 9056MOD	WG784716	100	04/29/15 16:33	04/29/15 16:33	NJM

⁷ Gl⁸ Al⁹ Sc

MW-48 L760264-10 GW

Collected by
Scott UdeCollected date/time
04/17/15 12:00Received date/time
04/18/15 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analysis Analyst
Gravimetric Analysis by Method 2540 C-2011	WG784339	1	04/24/15 18:36	04/27/15 08:59	JG
Metals (ICPMS) by Method 6020	WG783157	1	04/21/15 14:23	04/25/15 02:01	JD
Metals (ICPMS) by Method 6020	WG783446	1	04/22/15 10:34	04/29/15 00:58	LAT
Metals (ICPMS) by Method 6020	WG785470	1	04/29/15 10:19	04/30/15 01:05	AB
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG783366	1	04/21/15 17:42	04/23/15 23:32	JNS
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG783227	1	04/22/15 12:48	04/22/15 12:48	MCB
Volatile Organic Compounds (GC/MS) by Method 8260B	WG784762	10	04/27/15 05:13	04/27/15 05:13	JC
Wet Chemistry by Method 353.2	WG785026	10	05/01/15 02:20	05/01/15 02:20	JAL
Wet Chemistry by Method 9056MOD	WG784716	1	04/29/15 02:17	04/29/15 02:17	NJM
Wet Chemistry by Method 9056MOD	WG784716	2	04/29/15 17:21	04/29/15 17:21	NJM

Collected by
Scott UdeCollected date/time
04/17/15 13:05Received date/time
04/18/15 09:00

MW-130 L760264-11 GW

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analysis Analyst
Gravimetric Analysis by Method 2540 C-2011	WG784339	1	04/24/15 18:36	04/27/15 08:57	JG
Metals (ICPMS) by Method 6020	WG783157	1	04/21/15 14:23	04/25/15 02:04	JD
Metals (ICPMS) by Method 6020	WG783157	5	04/21/15 14:23	04/24/15 20:52	VSS
Metals (ICPMS) by Method 6020	WG783446	1	04/22/15 10:34	04/29/15 01:13	LAT
Metals (ICPMS) by Method 6020	WG783446	1	04/22/15 10:34	04/29/15 10:15	LAT
Metals (ICPMS) by Method 6020	WG785470	1	04/29/15 10:19	04/30/15 01:07	AB
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG783366	1	04/21/15 17:42	04/24/15 01:05	JNS
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG783227	1	04/22/15 13:10	04/22/15 13:10	MCB
Volatile Organic Compounds (GC/MS) by Method 8260B	WG785102	1	04/30/15 00:20	04/30/15 00:20	MCB

SAMPLE SUMMARY

ONE LAB. NATIONWIDE.



MW-130 L760264-11 GW

			Collected by Scott Ude	Collected date/time 04/17/15 13:05	Received date/time 04/18/15 09:00	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analysis Analyst	
Wet Chemistry by Method 353.2	WG785026	1	05/01/15 02:22	05/01/15 02:22	JAL	¹ Cp
Wet Chemistry by Method 9056MOD	WG784717	1	04/27/15 17:04	04/27/15 17:04	NJM	² Tc
Wet Chemistry by Method 9056MOD	WG784717	100	04/28/15 09:26	04/28/15 09:26	NJM	³ Ss

MW-52 L760264-12 GW

			Collected by Scott Ude	Collected date/time 04/17/15 12:10	Received date/time 04/18/15 09:00	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analysis Analyst	
Gravimetric Analysis by Method 2540 C-2011	WG784339	1	04/24/15 18:36	04/27/15 08:56	JG	⁴ Cn
Mercury by Method 7470A	WG783354	1	04/21/15 01:24	04/21/15 12:17	ESC	⁵ Sr
Metals (ICPMS) by Method 6020	WG783157	1	04/21/15 14:23	04/25/15 02:07	JD	⁶ Qc
Metals (ICPMS) by Method 6020	WG783446	1	04/22/15 10:34	04/29/15 01:16	LAT	⁷ Gl
Metals (ICPMS) by Method 6020	WG783446	1	04/22/15 10:34	04/29/15 10:17	LAT	⁸ Al
Metals (ICPMS) by Method 6020	WG785470	1	04/29/15 10:19	04/30/15 01:10	AB	⁹ Sc
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG783366	1	04/21/15 17:42	04/24/15 01:24	JNS	
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG783227	1	04/22/15 13:32	04/22/15 13:32	MCB	
Volatile Organic Compounds (GC/MS) by Method 8260B	WG785102	1	04/30/15 00:39	04/30/15 00:39	MCB	
Wet Chemistry by Method 353.2	WG785026	1	05/01/15 02:23	05/01/15 02:23	JAL	
Wet Chemistry by Method 9012B	WG784739	1	04/30/15 08:14	04/30/15 13:02	ASK	
Wet Chemistry by Method 9056MOD	WG784717	1	04/27/15 17:19	04/27/15 17:19	NJM	
Wet Chemistry by Method 9056MOD	WG784717	100	04/28/15 09:41	04/28/15 09:41	NJM	

MW-109 L760264-13 GW

			Collected by Scott Ude	Collected date/time 04/17/15 13:15	Received date/time 04/18/15 09:00	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analysis Analyst	
Gravimetric Analysis by Method 2540 C-2011	WG784339	1	04/24/15 18:36	04/27/15 08:56	JG	
Metals (ICPMS) by Method 6020	WG783157	1	04/21/15 14:23	04/25/15 02:09	JD	
Metals (ICPMS) by Method 6020	WG783446	1	04/22/15 10:34	04/29/15 01:18	LAT	
Metals (ICPMS) by Method 6020	WG783446	1	04/22/15 10:34	04/29/15 10:20	LAT	
Metals (ICPMS) by Method 6020	WG785470	1	04/29/15 10:19	04/30/15 01:13	AB	
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG783366	1	04/21/15 17:42	04/24/15 01:42	JNS	
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG784069	1	04/23/15 15:27	04/23/15 15:27	MCB	
Volatile Organic Compounds (GC/MS) by Method 8260B	WG785102	10	04/30/15 00:58	04/30/15 00:58	MCB	
Wet Chemistry by Method 353.2	WG785026	20	05/01/15 02:24	05/01/15 02:24	JAL	
Wet Chemistry by Method 9056MOD	WG784717	1	04/27/15 17:34	04/27/15 17:34	NJM	
Wet Chemistry by Method 9056MOD	WG784717	100	04/28/15 09:56	04/28/15 09:56	NJM	

MW-110 L760264-14 GW

			Collected by Scott Ude	Collected date/time 04/17/15 14:00	Received date/time 04/18/15 09:00	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analysis Analyst	
Gravimetric Analysis by Method 2540 C-2011	WG784339	1	04/24/15 18:36	04/27/15 08:57	JG	
Metals (ICPMS) by Method 6020	WG783157	1	04/21/15 14:23	04/25/15 02:12	JD	
Metals (ICPMS) by Method 6020	WG783446	1	04/22/15 10:34	04/29/15 01:21	LAT	
Metals (ICPMS) by Method 6020	WG783446	1	04/22/15 10:34	04/29/15 10:22	LAT	
Metals (ICPMS) by Method 6020	WG785470	1	04/29/15 10:19	04/29/15 22:28	VSS	
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG783366	1	04/21/15 17:42	04/24/15 02:01	JNS	
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG784069	1	04/23/15 15:49	04/23/15 15:49	MCB	
Volatile Organic Compounds (GC/MS) by Method 8260B	WG783748	1	04/24/15 12:35	04/24/15 12:35	KLO	
Wet Chemistry by Method 353.2	WG785028	1	05/01/15 03:44	05/01/15 03:44	JAL	
Wet Chemistry by Method 9056MOD	WG784717	1	04/27/15 17:49	04/27/15 17:49	NJM	
Wet Chemistry by Method 9056MOD	WG784717	10	04/28/15 10:14	04/28/15 10:14	NJM	

SAMPLE SUMMARY

ONE LAB. NATIONWIDE.



UG-2 L760264-15 GW

						Collected by Scott Ude	Collected date/time 04/17/15 10:40	Received date/time 04/18/15 09:00	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analysis Analyst				
Gravimetric Analysis by Method 2540 C-2011	WG784339	1	04/24/15 18:36	04/27/15 08:58	JG				
Mercury by Method 7470A	WG783354	1	04/21/15 01:24	04/21/15 12:19	ESC				
Metals (ICPMS) by Method 6020	WG783157	1	04/21/15 14:23	04/25/15 02:20	VSS				
Metals (ICPMS) by Method 6020	WG783157	1	04/21/15 14:23	04/27/15 16:45	VSS				
Metals (ICPMS) by Method 6020	WG783446	1	04/22/15 10:34	04/29/15 01:24	LAT				
Metals (ICPMS) by Method 6020	WG783446	1	04/22/15 10:34	04/29/15 10:25	LAT				
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG783366	1	04/21/15 17:42	04/24/15 02:20	JNS				
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG784069	1	04/23/15 16:11	04/23/15 16:11	MCB				
Volatile Organic Compounds (GC/MS) by Method 8260B	WG783748	1	04/24/15 12:54	04/24/15 12:54	KLO				
Wet Chemistry by Method 353.2	WG785028	1	05/01/15 03:45	05/01/15 03:45	JAL				
Wet Chemistry by Method 9012B	WG784739	1	04/30/15 08:14	04/30/15 13:03	ASK				
Wet Chemistry by Method 9056MOD	WG784717	1	04/27/15 18:04	04/27/15 18:04	NJM				
Wet Chemistry by Method 9056MOD	WG784717	100	04/28/15 10:29	04/28/15 10:29	NJM				

UG-3R L760264-16 GW

						Collected by Scott Ude	Collected date/time 04/17/15 09:15	Received date/time 04/18/15 09:00	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analysis Analyst				
Gravimetric Analysis by Method 2540 C-2011	WG784339	1	04/24/15 18:36	04/27/15 08:57	JG				
Mercury by Method 7470A	WG783354	1	04/21/15 01:24	04/21/15 12:27	ESC				
Metals (ICPMS) by Method 6020	WG783157	1	04/21/15 14:23	04/25/15 02:22	JD				
Metals (ICPMS) by Method 6020	WG783157	1	04/21/15 14:23	04/27/15 16:50	VSS				
Metals (ICPMS) by Method 6020	WG783446	1	04/22/15 10:34	04/29/15 01:26	LAT				
Metals (ICPMS) by Method 6020	WG783446	1	04/22/15 10:34	04/29/15 10:27	LAT				
Metals (ICPMS) by Method 6020	WG785470	1	04/29/15 10:19	04/30/15 01:15	AB				
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG783366	1	04/21/15 17:42	04/24/15 02:39	JNS				
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG784069	1	04/23/15 19:32	04/23/15 19:32	MCB				
Volatile Organic Compounds (GC/MS) by Method 8260B	WG783748	1	04/24/15 13:14	04/24/15 13:14	KLO				
Wet Chemistry by Method 353.2	WG785028	1	05/01/15 03:47	05/01/15 03:47	JAL				
Wet Chemistry by Method 9012B	WG784739	1	04/30/15 08:14	04/30/15 13:04	ASK				
Wet Chemistry by Method 9056MOD	WG784717	1	04/27/15 18:18	04/27/15 18:18	NJM				
Wet Chemistry by Method 9056MOD	WG784717	20	04/28/15 10:43	04/28/15 10:43	NJM				

UG-1 L760264-17 GW

						Collected by Scott Ude	Collected date/time 04/17/15 09:20	Received date/time 04/18/15 09:00	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analysis Analyst				
Gravimetric Analysis by Method 2540 C-2011	WG784340	1	04/24/15 18:13	04/27/15 09:29	MF				
Mercury by Method 7470A	WG783354	1	04/21/15 01:24	04/21/15 12:29	ESC				
Metals (ICPMS) by Method 6020	WG783157	1	04/21/15 14:23	04/25/15 02:25	JD				
Metals (ICPMS) by Method 6020	WG783157	1	04/21/15 14:23	04/27/15 16:55	VSS				
Metals (ICPMS) by Method 6020	WG783446	1	04/22/15 10:34	04/29/15 01:29	LAT				
Metals (ICPMS) by Method 6020	WG783446	1	04/22/15 10:34	04/29/15 10:31	LAT				
Metals (ICPMS) by Method 6020	WG785470	1	04/29/15 10:19	04/30/15 01:18	AB				
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG783366	1	04/21/15 17:42	04/24/15 02:57	JNS				
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG784069	1	04/23/15 13:01	04/23/15 13:01	MCB				
Volatile Organic Compounds (GC/MS) by Method 8260B	WG783748	1	04/24/15 13:33	04/24/15 13:33	KLO				
Wet Chemistry by Method 353.2	WG785028	5	05/01/15 04:39	05/01/15 04:39	JAL				
Wet Chemistry by Method 9012B	WG784739	1	04/30/15 08:14	04/30/15 13:05	ASK				
Wet Chemistry by Method 9056MOD	WG784717	1	04/27/15 18:48	04/27/15 18:48	NJM				
Wet Chemistry by Method 9056MOD	WG784717	100	04/28/15 11:13	04/28/15 11:13	NJM				

SAMPLE SUMMARY

ONE LAB. NATIONWIDE.



DUP-REST-04 L760264-18 GW

Collected by
Scott Ude

Collected date/time
04/16/15 13:00

Received date/time
04/18/15 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analysis Analyst
Gravimetric Analysis by Method 2540 C-2011	WG783999	1	04/23/15 15:46	04/25/15 12:15	JG
Metals (ICPMS) by Method 6020	WG783157	1	04/21/15 14:23	04/25/15 02:27	JD
Metals (ICPMS) by Method 6020	WG783157	1	04/21/15 14:23	04/27/15 17:00	VSS
Metals (ICPMS) by Method 6020	WG783446	1	04/22/15 10:34	04/29/15 01:31	LAT
Metals (ICPMS) by Method 6020	WG783446	1	04/22/15 10:34	04/29/15 10:33	LAT
Metals (ICPMS) by Method 6020	WG785470	1	04/29/15 10:19	04/30/15 01:20	AB
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG783366	1	04/21/15 17:42	04/24/15 03:16	JNS
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG784069	1	04/23/15 19:54	04/23/15 19:54	MCB
Volatile Organic Compounds (GC/MS) by Method 8260B	WG785102	1	04/30/15 01:18	04/30/15 01:18	MCB
Wet Chemistry by Method 353.2	WG785028	10	05/01/15 03:52	05/01/15 03:52	JAL
Wet Chemistry by Method 9012B	WG786101	1	05/01/15 10:56	05/01/15 14:49	CSU
Wet Chemistry by Method 9056MOD	WG784717	1	04/27/15 19:03	04/27/15 19:03	NJM
Wet Chemistry by Method 9056MOD	WG784717	100	04/28/15 11:28	04/28/15 11:28	NJM

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

EB-REST-04 L760264-19 GW

Collected by
Scott Ude

Collected date/time
04/16/15 16:50

Received date/time
04/18/15 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analysis Analyst
Gravimetric Analysis by Method 2540 C-2011	WG783999	1	04/23/15 15:46	04/25/15 12:14	JG
Metals (ICPMS) by Method 6020	WG783157	1	04/21/15 14:23	04/25/15 02:30	VSS
Metals (ICPMS) by Method 6020	WG783157	1	04/21/15 14:23	04/27/15 17:05	VSS
Metals (ICPMS) by Method 6020	WG783446	1	04/22/15 10:34	04/29/15 01:34	LAT
Metals (ICPMS) by Method 6020	WG783446	1	04/22/15 10:34	04/29/15 10:36	LAT
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG783366	1	04/21/15 17:42	04/24/15 03:35	JNS
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG784069	1	04/23/15 20:16	04/23/15 20:16	MCB
Volatile Organic Compounds (GC/MS) by Method 8260B	WG783748	1	04/24/15 08:03	04/24/15 08:03	KLO
Wet Chemistry by Method 353.2	WG785028	1	05/01/15 03:53	05/01/15 03:53	JAL
Wet Chemistry by Method 9012B	WG784739	1	04/30/15 08:14	04/30/15 13:10	ASK
Wet Chemistry by Method 9056MOD	WG784717	1	04/27/15 19:18	04/27/15 19:18	NJM

⁸ Al

⁹ Sc

TRIPBLANK-REST-03 L760264-20 GW

Collected by
Scott Ude

Collected date/time
04/16/15 00:00

Received date/time
04/18/15 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analysis Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG783748	1	04/24/15 07:43	04/24/15 07:43	KLO



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

Sample quantity was not sufficient to complete analysis per recommended method guidelines for the following samples.

<u>ESC Sample ID</u>	<u>Project Sample ID</u>	<u>Method</u>
L760264-19	EB-REST-04	2540 C-2011

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc



Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Dissolved Solids	2760000		2800	10000	1	04/25/2015 11:18	WG783825

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Nitrate-Nitrite	U		390	2000	20	05/01/2015 02:05	WG785026

Wet Chemistry by Method 9012B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Cyanide	13.2		1.80	5.00	1	04/30/2015 12:59	WG784739

Wet Chemistry by Method 9056MOD

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	160000		5200	100000	100	04/29/2015 14:04	WG784716
Fluoride	1590		9.90	100	1	04/28/2015 23:48	WG784716
Sulfate	1080000		7700	500000	100	04/29/2015 14:04	WG784716

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Mercury	U		0.0490	0.200	1	04/21/2015 12:11	WG783354

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic	9.12		0.250	2.00	1	04/25/2015 01:08	WG783157
Arsenic,Dissolved	13.0		0.250	2.00	1	04/28/2015 17:50	WG783445
Barium	77.2		0.360	5.00	1	04/25/2015 01:08	WG783157
Barium,Dissolved	64.4		0.360	5.00	1	04/28/2015 17:50	WG783445
Calcium	439000		46.0	1000	1	04/25/2015 01:08	WG783157
Chromium	0.931	⌋	0.540	2.00	1	04/25/2015 01:08	WG783157
Chromium,Dissolved	0.923	⌋	0.540	2.00	1	04/28/2015 17:50	WG783445
Iron	71.2	⌋	15.0	100	1	04/29/2015 22:38	WG785470
Iron,Dissolved	28.3	⌋	15.0	100	1	04/28/2015 17:50	WG783445
Lead	11.0		0.240	2.00	1	04/25/2015 01:08	WG783157
Lead,Dissolved	12.0		0.240	2.00	1	04/28/2015 17:50	WG783445
Manganese	68.5		0.250	5.00	1	04/25/2015 01:08	WG783157
Manganese,Dissolved	64.7		0.250	5.00	1	04/28/2015 17:50	WG783445
Nickel	4.89		0.350	2.00	1	04/25/2015 01:08	WG783157
Nickel,Dissolved	4.17		0.350	2.00	1	04/28/2015 17:50	WG783445
Potassium	685	⌋	37.0	1000	1	04/25/2015 01:08	WG783157
Selenium	20.4		0.380	2.00	1	04/25/2015 01:08	WG783157
Selenium,Dissolved	69.9		0.380	2.00	1	04/28/2015 17:50	WG783445
Sodium	89500		110	1000	1	04/25/2015 01:08	WG783157
Vanadium	6.34		0.180	5.00	1	04/25/2015 01:08	WG783157
Vanadium,Dissolved	5.27		0.180	5.00	1	04/28/2015 17:50	WG783445

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TPH (GC/FID) Low Fraction	7850	J3	160	500	5	04/22/2015 06:55	WG783227



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
(S) a,a,a-Trifluorotoluene(FID)	92.7			62.0-128		04/22/2015 06:55	WG783227

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		1000	5000	100	04/24/2015 08:22	WG783748
Benzene	3020		33.0	100	100	04/24/2015 08:22	WG783748
Bromodichloromethane	U		38.0	100	100	04/24/2015 08:22	WG783748
Bromoform	U		47.0	100	100	04/24/2015 08:22	WG783748
Bromomethane	U		87.0	500	100	04/24/2015 08:22	WG783748
n-Butylbenzene	U		36.0	100	100	04/24/2015 08:22	WG783748
sec-Butylbenzene	U		36.0	100	100	04/24/2015 08:22	WG783748
Carbon disulfide	47.1	U	28.0	100	100	04/24/2015 08:22	WG783748
Carbon tetrachloride	U		38.0	100	100	04/24/2015 08:22	WG783748
Chlorobenzene	U		35.0	100	100	04/24/2015 08:22	WG783748
Chlorodibromomethane	U		33.0	100	100	04/24/2015 08:22	WG783748
Chloroethane	U		45.0	500	100	04/24/2015 08:22	WG783748
Chloroform	U		32.0	500	100	04/24/2015 08:22	WG783748
Chloromethane	U		28.0	250	100	04/24/2015 08:22	WG783748
1,2-Dibromoethane	U		38.0	100	100	04/24/2015 08:22	WG783748
1,1-Dichloroethane	U		26.0	100	100	04/24/2015 08:22	WG783748
1,2-Dichloroethane	U		36.0	100	100	04/24/2015 08:22	WG783748
1,1-Dichloroethene	U		40.0	100	100	04/24/2015 08:22	WG783748
cis-1,2-Dichloroethene	U		26.0	100	100	04/24/2015 08:22	WG783748
trans-1,2-Dichloroethene	U		40.0	100	100	04/24/2015 08:22	WG783748
1,2-Dichloropropane	U		31.0	100	100	04/24/2015 08:22	WG783748
cis-1,3-Dichloropropene	U		42.0	100	100	04/24/2015 08:22	WG783748
trans-1,3-Dichloropropene	U		42.0	100	100	04/24/2015 08:22	WG783748
Ethylbenzene	62.5	U	38.0	100	100	04/24/2015 08:22	WG783748
Isopropylbenzene	68.9	U	33.0	100	100	04/24/2015 08:22	WG783748
p-Isopropyltoluene	U		35.0	100	100	04/24/2015 08:22	WG783748
2-Butanone (MEK)	U		390	1000	100	04/24/2015 08:22	WG783748
2-Hexanone	U		380	1000	100	04/24/2015 08:22	WG783748
Methylene Chloride	U		100	500	100	04/24/2015 08:22	WG783748
4-Methyl-2-pentanone (MIBK)	U		210	1000	100	04/24/2015 08:22	WG783748
Methyl tert-butyl ether	1330		37.0	100	100	04/24/2015 08:22	WG783748
Naphthalene	U		100	500	100	04/24/2015 08:22	WG783748
n-Propylbenzene	74.4	U	35.0	100	100	04/24/2015 08:22	WG783748
Styrene	U		31.0	100	100	04/24/2015 08:22	WG783748
1,1,1,2-Tetrachloroethane	U		38.0	100	100	04/24/2015 08:22	WG783748
1,1,2,2-Tetrachloroethane	U		13.0	100	100	04/24/2015 08:22	WG783748
Tetrachloroethene	U		37.0	100	100	04/24/2015 08:22	WG783748
Toluene	U		78.0	500	100	04/24/2015 08:22	WG783748
1,1,1-Trichloroethane	U		31.9	100	100	04/24/2015 08:22	WG783748
1,1,2-Trichloroethane	U		38.0	100	100	04/24/2015 08:22	WG783748
Trichloroethene	U		40.0	100	100	04/24/2015 08:22	WG783748
1,2,4-Trimethylbenzene	95.0	U	37.0	100	100	04/24/2015 08:22	WG783748
1,3,5-Trimethylbenzene	U		39.0	100	100	04/24/2015 08:22	WG783748
Vinyl chloride	U		26.0	100	100	04/24/2015 08:22	WG783748
o-Xylene	U		34.0	100	100	04/24/2015 08:22	WG783748
m&p-Xylene	194		72.0	100	100	04/24/2015 08:22	WG783748
Xylenes, Total	194	U	110	300	100	04/24/2015 08:22	WG783748
(S) Toluene-d8	106			88.5-111		04/24/2015 08:22	WG783748
(S) Dibromofluoromethane	102			78.3-121		04/24/2015 08:22	WG783748
(S) 4-Bromofluorobenzene	99.9			71.0-126		04/24/2015 08:22	WG783748

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TPH (GC/FID) High Fraction	13000		120	500	5	04/24/2015 16:39	WG783366
(S) o-Terphenyl	130			50.0-150		04/24/2015 16:39	WG783366

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc



Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Dissolved Solids	3300000		2800	10000	1	04/25/2015 11:18	WG783825

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Nitrate-Nitrite	24.1	J	20.0	100	1	05/01/2015 02:06	WG785026

Wet Chemistry by Method 9056MOD

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	178000		5200	100000	100	04/29/2015 14:19	WG784716
Fluoride	1230		9.90	100	1	04/29/2015 00:03	WG784716
Sulfate	1760000		7700	500000	100	04/29/2015 14:19	WG784716

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic	17.2		0.250	2.00	1	04/25/2015 01:11	WG783157
Arsenic,Dissolved	17.7		0.250	2.00	1	04/28/2015 17:52	WG783445
Barium	16.3		0.360	5.00	1	04/25/2015 01:11	WG783157
Barium,Dissolved	13.7		0.360	5.00	1	04/28/2015 17:52	WG783445
Calcium	489000		46.0	1000	1	04/25/2015 01:11	WG783157
Chromium	U		0.540	2.00	1	04/25/2015 01:11	WG783157
Chromium,Dissolved	U		0.540	2.00	1	04/28/2015 17:52	WG783445
Iron	163		15.0	100	1	04/29/2015 22:41	WG785470
Iron,Dissolved	126		15.0	100	1	04/28/2015 17:52	WG783445
Lead	0.394	J	0.240	2.00	1	04/25/2015 01:11	WG783157
Lead,Dissolved	U		1.20	10.0	5	04/28/2015 18:22	WG783445
Manganese	465		0.250	5.00	1	04/25/2015 01:11	WG783157
Manganese,Dissolved	427		0.250	5.00	1	04/28/2015 17:52	WG783445
Potassium	489	J	37.0	1000	1	04/25/2015 01:11	WG783157
Selenium	5.73		0.380	2.00	1	04/25/2015 01:11	WG783157
Selenium,Dissolved	8.59		0.380	2.00	1	04/28/2015 17:52	WG783445
Sodium	139000		110	1000	1	04/25/2015 01:11	WG783157

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TPH (GC/FID) Low Fraction	U	J3	31.0	100	1	04/22/2015 07:27	WG783227
(S) a,a,a-Trifluorotoluene(FID)	89.2			62.0-128		04/22/2015 07:27	WG783227

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		10.0	50.0	1	04/24/2015 08:41	WG783748
Benzene	11.9		0.330	1.00	1	04/24/2015 08:41	WG783748
Bromodichloromethane	U		0.380	1.00	1	04/24/2015 08:41	WG783748
Bromoform	U		0.470	1.00	1	04/24/2015 08:41	WG783748
Bromomethane	U		0.870	5.00	1	04/24/2015 08:41	WG783748
n-Butylbenzene	U		0.360	1.00	1	04/24/2015 08:41	WG783748
sec-Butylbenzene	1.32		0.360	1.00	1	04/24/2015 08:41	WG783748
Carbon disulfide	0.870	J	0.280	1.00	1	04/24/2015 08:41	WG783748
Carbon tetrachloride	U		0.380	1.00	1	04/24/2015 08:41	WG783748
Chlorobenzene	U		0.350	1.00	1	04/24/2015 08:41	WG783748



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chlorodibromomethane	U		0.330	1.00	1	04/24/2015 08:41	WG783748
Chloroethane	U		0.450	5.00	1	04/24/2015 08:41	WG783748
Chloroform	U		0.320	5.00	1	04/24/2015 08:41	WG783748
Chloromethane	U		0.280	2.50	1	04/24/2015 08:41	WG783748
1,2-Dibromoethane	U		0.380	1.00	1	04/24/2015 08:41	WG783748
1,1-Dichloroethane	U		0.260	1.00	1	04/24/2015 08:41	WG783748
1,2-Dichloroethane	U		0.360	1.00	1	04/24/2015 08:41	WG783748
1,1-Dichloroethene	U		0.400	1.00	1	04/24/2015 08:41	WG783748
cis-1,2-Dichloroethene	U		0.260	1.00	1	04/24/2015 08:41	WG783748
trans-1,2-Dichloroethene	U		0.400	1.00	1	04/24/2015 08:41	WG783748
1,2-Dichloropropane	U		0.310	1.00	1	04/24/2015 08:41	WG783748
cis-1,3-Dichloropropene	U		0.420	1.00	1	04/24/2015 08:41	WG783748
trans-1,3-Dichloropropene	U		0.420	1.00	1	04/24/2015 08:41	WG783748
Ethylbenzene	U		0.380	1.00	1	04/24/2015 08:41	WG783748
Isopropylbenzene	7.36		0.330	1.00	1	04/24/2015 08:41	WG783748
p-Isopropyltoluene	U		0.350	1.00	1	04/24/2015 08:41	WG783748
2-Butanone (MEK)	U		3.90	10.0	1	04/24/2015 08:41	WG783748
2-Hexanone	U		3.80	10.0	1	04/24/2015 08:41	WG783748
Methylene Chloride	U		1.00	5.00	1	04/24/2015 08:41	WG783748
4-Methyl-2-pentanone (MIBK)	U		2.10	10.0	1	04/24/2015 08:41	WG783748
Methyl tert-butyl ether	U		0.370	1.00	1	04/24/2015 08:41	WG783748
Naphthalene	U		1.00	5.00	1	04/24/2015 08:41	WG783748
n-Propylbenzene	0.389	U	0.350	1.00	1	04/24/2015 08:41	WG783748
Styrene	U		0.310	1.00	1	04/24/2015 08:41	WG783748
1,1,1,2-Tetrachloroethane	U		0.380	1.00	1	04/24/2015 08:41	WG783748
1,1,2,2-Tetrachloroethane	U		0.130	1.00	1	04/24/2015 08:41	WG783748
Tetrachloroethene	U		0.370	1.00	1	04/24/2015 08:41	WG783748
Toluene	U		0.780	5.00	1	04/24/2015 08:41	WG783748
1,1,1-Trichloroethane	U		0.319	1.00	1	04/24/2015 08:41	WG783748
1,1,2-Trichloroethane	U		0.380	1.00	1	04/24/2015 08:41	WG783748
Trichloroethene	U		0.400	1.00	1	04/24/2015 08:41	WG783748
1,2,4-Trimethylbenzene	U		0.370	1.00	1	04/24/2015 08:41	WG783748
1,3,5-Trimethylbenzene	U		0.390	1.00	1	04/24/2015 08:41	WG783748
Vinyl chloride	U		0.260	1.00	1	04/24/2015 08:41	WG783748
o-Xylene	U		0.340	1.00	1	04/24/2015 08:41	WG783748
m&p-Xylene	U		0.720	1.00	1	04/24/2015 08:41	WG783748
Xylenes, Total	U		1.10	3.00	1	04/24/2015 08:41	WG783748
(S) Toluene-d8	107			88.5-111		04/24/2015 08:41	WG783748
(S) Dibromofluoromethane	101			78.3-121		04/24/2015 08:41	WG783748
(S) 4-Bromofluorobenzene	98.3			71.0-126		04/24/2015 08:41	WG783748

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

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	860		25.0	100	1	04/23/2015 21:03	WG783366
(S) o-Terphenyl	114			50.0-150		04/23/2015 21:03	WG783366



Gravimetric Analysis by Method 2540 C-2011

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Dissolved Solids	3530000		2800	10000	1	04/25/2015 11:18	WG783825

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 353.2

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		200	1000	10	05/01/2015 02:07	WG785026

Wet Chemistry by Method 9012B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Cyanide	U		1.80	5.00	1	04/30/2015 13:01	WG784739

Wet Chemistry by Method 9056MOD

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chloride	198000		5200	100000	100	04/29/2015 15:03	WG784716
Fluoride	968		9.90	100	1	04/29/2015 00:18	WG784716
Sulfate	1810000		7700	500000	100	04/29/2015 15:03	WG784716

Mercury by Method 7470A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Mercury	U		0.0490	0.200	1	04/21/2015 12:14	WG783354

Metals (ICPMS) by Method 6020

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Arsenic	4.64		0.250	2.00	1	04/25/2015 01:13	WG783157
Arsenic,Dissolved	17.1		0.250	2.00	1	04/28/2015 17:55	WG783445
Barium	17.7		0.360	5.00	1	04/25/2015 01:13	WG783157
Barium,Dissolved	26.0		0.360	5.00	1	04/28/2015 17:55	WG783445
Calcium	411000		46.0	1000	1	04/25/2015 01:13	WG783157
Chromium	U		0.540	2.00	1	04/25/2015 01:13	WG783157
Chromium,Dissolved	U		0.540	2.00	1	04/28/2015 17:55	WG783445
Iron	72.5	⌋	15.0	100	1	04/29/2015 22:44	WG785470
Iron,Dissolved	116		15.0	100	1	04/28/2015 17:55	WG783445
Lead	0.305	⌋	0.240	2.00	1	04/25/2015 01:13	WG783157
Lead,Dissolved	0.316	⌋	0.240	2.00	1	04/28/2015 17:55	WG783445
Manganese	340		0.250	5.00	1	04/25/2015 01:13	WG783157
Manganese,Dissolved	321		0.250	5.00	1	04/28/2015 17:55	WG783445
Nickel	0.779	⌋	0.350	2.00	1	04/25/2015 01:13	WG783157
Nickel,Dissolved	0.587	⌋	0.350	2.00	1	04/28/2015 17:55	WG783445
Potassium	558	⌋	37.0	1000	1	04/25/2015 01:13	WG783157
Selenium	U		1.90	10.0	5	04/24/2015 19:30	WG783157
Selenium,Dissolved	47.0		1.90	10.0	5	04/28/2015 18:25	WG783445
Sodium	190000		110	1000	1	04/25/2015 01:13	WG783157
Vanadium	0.695	⌋	0.180	5.00	1	04/25/2015 01:13	WG783157
Vanadium,Dissolved	0.471	⌋	0.180	5.00	1	04/28/2015 17:55	WG783445

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	238		31.0	100	1	04/28/2015 18:31	WG785183



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
(S) a,a,a-Trifluorotoluene(FID)	94.2			62.0-128		04/28/2015 18:31	WG785183

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	39.7	U	10.0	50.0	1	04/26/2015 22:09	WG784762
Benzene	12.7		0.330	1.00	1	04/26/2015 22:09	WG784762
Bromodichloromethane	U		0.380	1.00	1	04/26/2015 22:09	WG784762
Bromoform	U		0.470	1.00	1	04/26/2015 22:09	WG784762
Bromomethane	U		0.870	5.00	1	04/26/2015 22:09	WG784762
n-Butylbenzene	U		0.360	1.00	1	04/26/2015 22:09	WG784762
sec-Butylbenzene	2.49		0.360	1.00	1	04/26/2015 22:09	WG784762
Carbon disulfide	1.78		0.280	1.00	1	04/26/2015 22:09	WG784762
Carbon tetrachloride	U		0.380	1.00	1	04/26/2015 22:09	WG784762
Chlorobenzene	U		0.350	1.00	1	04/26/2015 22:09	WG784762
Chlorodibromomethane	U		0.330	1.00	1	04/26/2015 22:09	WG784762
Chloroethane	U		0.450	5.00	1	04/26/2015 22:09	WG784762
Chloroform	U		0.320	5.00	1	04/26/2015 22:09	WG784762
Chloromethane	U		0.280	2.50	1	04/26/2015 22:09	WG784762
1,2-Dibromoethane	U		0.380	1.00	1	04/26/2015 22:09	WG784762
1,1-Dichloroethane	U		0.260	1.00	1	04/26/2015 22:09	WG784762
1,2-Dichloroethane	0.376	U	0.360	1.00	1	04/26/2015 22:09	WG784762
1,1-Dichloroethene	U		0.400	1.00	1	04/26/2015 22:09	WG784762
cis-1,2-Dichloroethene	U		0.260	1.00	1	04/26/2015 22:09	WG784762
trans-1,2-Dichloroethene	U		0.400	1.00	1	04/26/2015 22:09	WG784762
1,2-Dichloropropane	U		0.310	1.00	1	04/26/2015 22:09	WG784762
cis-1,3-Dichloropropene	U		0.420	1.00	1	04/26/2015 22:09	WG784762
trans-1,3-Dichloropropene	U		0.420	1.00	1	04/26/2015 22:09	WG784762
Ethylbenzene	0.627	U	0.380	1.00	1	04/26/2015 22:09	WG784762
Isopropylbenzene	14.8		0.330	1.00	1	04/26/2015 22:09	WG784762
p-Isopropyltoluene	U		0.350	1.00	1	04/26/2015 22:09	WG784762
2-Butanone (MEK)	U		3.90	10.0	1	04/26/2015 22:09	WG784762
2-Hexanone	U		3.80	10.0	1	04/26/2015 22:09	WG784762
Methylene Chloride	U		1.00	5.00	1	04/26/2015 22:09	WG784762
4-Methyl-2-pentanone (MIBK)	U		2.10	10.0	1	04/26/2015 22:09	WG784762
Methyl tert-butyl ether	U		0.370	1.00	1	04/26/2015 22:09	WG784762
Naphthalene	U		1.00	5.00	1	04/26/2015 22:09	WG784762
n-Propylbenzene	2.28		0.350	1.00	1	04/26/2015 22:09	WG784762
Styrene	U		0.310	1.00	1	04/26/2015 22:09	WG784762
1,1,1,2-Tetrachloroethane	U		0.380	1.00	1	04/26/2015 22:09	WG784762
1,1,2,2-Tetrachloroethane	0.307	U	0.130	1.00	1	04/26/2015 22:09	WG784762
Tetrachloroethene	U		0.370	1.00	1	04/26/2015 22:09	WG784762
Toluene	U		0.780	5.00	1	04/26/2015 22:09	WG784762
1,1,1-Trichloroethane	U		0.319	1.00	1	04/26/2015 22:09	WG784762
1,1,2-Trichloroethane	U		0.380	1.00	1	04/26/2015 22:09	WG784762
Trichloroethene	U		0.400	1.00	1	04/26/2015 22:09	WG784762
1,2,4-Trimethylbenzene	0.879	U	0.370	1.00	1	04/26/2015 22:09	WG784762
1,3,5-Trimethylbenzene	U		0.390	1.00	1	04/26/2015 22:09	WG784762
Vinyl chloride	U		0.260	1.00	1	04/26/2015 22:09	WG784762
o-Xylene	U		0.340	1.00	1	04/26/2015 22:09	WG784762
m&p-Xylene	2.80		0.720	1.00	1	04/26/2015 22:09	WG784762
Xylenes, Total	2.80	U	1.10	3.00	1	04/26/2015 22:09	WG784762
(S) Toluene-d8	105			88.5-111		04/26/2015 22:09	WG784762
(S) Dibromofluoromethane	106			78.3-121		04/26/2015 22:09	WG784762
(S) 4-Bromofluorobenzene	107			71.0-126		04/26/2015 22:09	WG784762

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TPH (GC/FID) High Fraction	1100		25.0	100	1	04/23/2015 21:21	WG783366
(S) o-Terphenyl	113			50.0-150		04/23/2015 21:21	WG783366

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc



Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Dissolved Solids	1220000		2800	10000	1	04/25/2015 11:18	WG783825

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Nitrate-Nitrite	U		20.0	100	1	05/01/2015 02:12	WG785026

Wet Chemistry by Method 9056MOD

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	291000		520	10000	10	04/29/2015 15:18	WG784716
Fluoride	1540		9.90	100	1	04/29/2015 00:33	WG784716
Sulfate	27100		77.0	5000	1	04/29/2015 00:33	WG784716

Metals (ICPMS) by Method 6020

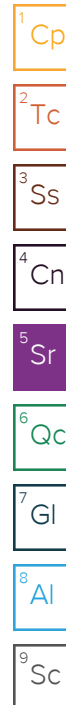
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic	10.7		0.250	2.00	1	04/25/2015 01:48	WG783157
Arsenic,Dissolved	10.0		0.250	2.00	1	04/28/2015 17:57	WG783445
Barium	1750		0.360	5.00	1	04/25/2015 01:48	WG783157
Barium,Dissolved	1530		0.360	5.00	1	04/28/2015 17:57	WG783445
Calcium	160000		46.0	1000	1	04/25/2015 01:48	WG783157
Chromium	U		0.540	2.00	1	04/25/2015 01:48	WG783157
Chromium,Dissolved	0.581	U	0.540	2.00	1	04/28/2015 17:57	WG783445
Iron	787		15.0	100	1	04/30/2015 00:57	WG785470
Iron,Dissolved	590		15.0	100	1	04/28/2015 17:57	WG783445
Lead	0.331	U	0.240	2.00	1	04/25/2015 01:48	WG783157
Lead,Dissolved	U		1.20	10.0	5	04/28/2015 18:27	WG783445
Manganese	158		0.250	5.00	1	04/25/2015 01:48	WG783157
Manganese,Dissolved	150		0.250	5.00	1	04/28/2015 17:57	WG783445
Potassium	583	U	37.0	1000	1	04/25/2015 01:48	WG783157
Selenium	0.883	U	0.380	2.00	1	04/25/2015 01:48	WG783157
Selenium,Dissolved	4.57		0.380	2.00	1	04/28/2015 17:57	WG783445
Sodium	73100		110	1000	1	04/25/2015 01:48	WG783157

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TPH (GC/FID) Low Fraction	9850		310	1000	10	04/28/2015 22:59	WG785183
(S) a,a,a-Trifluorotoluene(FID)	94.0			62.0-128		04/28/2015 22:59	WG785183

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		100	500	10	04/24/2015 09:20	WG783748
Benzene	5320		66.0	200	200	04/27/2015 03:52	WG784762
Bromodichloromethane	U		3.80	10.0	10	04/24/2015 09:20	WG783748
Bromoform	U		4.70	10.0	10	04/24/2015 09:20	WG783748
Bromomethane	U		8.70	50.0	10	04/24/2015 09:20	WG783748
n-Butylbenzene	U		3.60	10.0	10	04/24/2015 09:20	WG783748
sec-Butylbenzene	U		3.60	10.0	10	04/24/2015 09:20	WG783748
Carbon disulfide	2.87	U	2.80	10.0	10	04/24/2015 09:20	WG783748
Carbon tetrachloride	U		3.80	10.0	10	04/24/2015 09:20	WG783748
Chlorobenzene	U		3.50	10.0	10	04/24/2015 09:20	WG783748





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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chlorodibromomethane	U		3.30	10.0	10	04/24/2015 09:20	WG783748
Chloroethane	U		4.50	50.0	10	04/24/2015 09:20	WG783748
Chloroform	U		3.20	50.0	10	04/24/2015 09:20	WG783748
Chloromethane	U		2.80	25.0	10	04/24/2015 09:20	WG783748
1,2-Dibromoethane	U		3.80	10.0	10	04/24/2015 09:20	WG783748
1,1-Dichloroethane	U		2.60	10.0	10	04/24/2015 09:20	WG783748
1,2-Dichloroethane	U		3.60	10.0	10	04/24/2015 09:20	WG783748
1,1-Dichloroethene	U		4.00	10.0	10	04/24/2015 09:20	WG783748
cis-1,2-Dichloroethene	U		2.60	10.0	10	04/24/2015 09:20	WG783748
trans-1,2-Dichloroethene	U		4.00	10.0	10	04/24/2015 09:20	WG783748
1,2-Dichloropropane	U		3.10	10.0	10	04/24/2015 09:20	WG783748
cis-1,3-Dichloropropene	U		4.20	10.0	10	04/24/2015 09:20	WG783748
trans-1,3-Dichloropropene	U		4.20	10.0	10	04/24/2015 09:20	WG783748
Ethylbenzene	6.58	L	3.80	10.0	10	04/24/2015 09:20	WG783748
Isopropylbenzene	10.7		3.30	10.0	10	04/24/2015 09:20	WG783748
p-Isopropyltoluene	U		3.50	10.0	10	04/24/2015 09:20	WG783748
2-Butanone (MEK)	U		39.0	100	10	04/24/2015 09:20	WG783748
2-Hexanone	U		38.0	100	10	04/24/2015 09:20	WG783748
Methylene Chloride	U		10.0	50.0	10	04/24/2015 09:20	WG783748
4-Methyl-2-pentanone (MIBK)	U		21.0	100	10	04/24/2015 09:20	WG783748
Methyl tert-butyl ether	1770		3.70	10.0	10	04/24/2015 09:20	WG783748
Naphthalene	15.7	L	10.0	50.0	10	04/24/2015 09:20	WG783748
n-Propylbenzene	U		3.50	10.0	10	04/24/2015 09:20	WG783748
Styrene	U		3.10	10.0	10	04/24/2015 09:20	WG783748
1,1,1,2-Tetrachloroethane	U		3.80	10.0	10	04/24/2015 09:20	WG783748
1,1,2,2-Tetrachloroethane	U		1.30	10.0	10	04/24/2015 09:20	WG783748
Tetrachloroethene	U		3.70	10.0	10	04/24/2015 09:20	WG783748
Toluene	10.6	L	7.80	50.0	10	04/24/2015 09:20	WG783748
1,1,1-Trichloroethane	U		3.19	10.0	10	04/24/2015 09:20	WG783748
1,1,2-Trichloroethane	U		3.80	10.0	10	04/24/2015 09:20	WG783748
Trichloroethene	U		4.00	10.0	10	04/24/2015 09:20	WG783748
1,2,4-Trimethylbenzene	13.3		3.70	10.0	10	04/24/2015 09:20	WG783748
1,3,5-Trimethylbenzene	U		3.90	10.0	10	04/24/2015 09:20	WG783748
Vinyl chloride	U		2.60	10.0	10	04/24/2015 09:20	WG783748
o-Xylene	U		3.40	10.0	10	04/24/2015 09:20	WG783748
m&p-Xylene	14.6		7.20	10.0	10	04/24/2015 09:20	WG783748
Xylenes, Total	14.6	L	11.0	30.0	10	04/24/2015 09:20	WG783748
(S) Toluene-d8	110			88.5-111		04/24/2015 09:20	WG783748
(S) Dibromofluoromethane	105			78.3-121		04/24/2015 09:20	WG783748
(S) 4-Bromofluorobenzene	98.4			71.0-126		04/24/2015 09:20	WG783748

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

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	7200		25.0	100	1	04/23/2015 21:40	WG783366
(S) o-Terphenyl	93.0			50.0-150		04/23/2015 21:40	WG783366



Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Dissolved Solids	1490000		2800	10000	1	04/25/2015 11:20	WG783825

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Nitrate-Nitrite	U		20.0	100	1	05/01/2015 02:13	WG785026

Wet Chemistry by Method 9056MOD

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	307000		520	10000	10	04/29/2015 15:33	WG784716
Fluoride	1220		9.90	100	1	04/29/2015 00:48	WG784716
Sulfate	290000		770	50000	10	04/29/2015 15:33	WG784716

Metals (ICPMS) by Method 6020

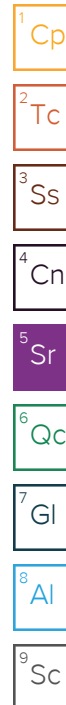
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic	52.0		0.250	2.00	1	04/25/2015 01:51	WG783157
Arsenic,Dissolved	45.0		0.250	2.00	1	04/28/2015 17:59	WG783445
Barium	78.3		0.360	5.00	1	04/25/2015 01:51	WG783157
Barium,Dissolved	67.4		0.360	5.00	1	04/28/2015 17:59	WG783445
Calcium	214000		46.0	1000	1	04/25/2015 01:51	WG783157
Chromium	0.905	J	0.540	2.00	1	04/25/2015 01:51	WG783157
Chromium,Dissolved	U		0.540	2.00	1	04/28/2015 17:59	WG783445
Iron	2940	B	15.0	100	1	04/25/2015 01:51	WG783157
Iron,Dissolved	2230		15.0	100	1	04/28/2015 17:59	WG783445
Lead	2.46		0.240	2.00	1	04/25/2015 01:51	WG783157
Lead,Dissolved	U		0.240	2.00	1	04/28/2015 17:59	WG783445
Manganese	2420		0.250	5.00	1	04/25/2015 01:51	WG783157
Manganese,Dissolved	2200		0.250	5.00	1	04/28/2015 17:59	WG783445
Potassium	414	J	37.0	1000	1	04/25/2015 01:51	WG783157
Selenium	2.21		0.380	2.00	1	04/25/2015 01:51	WG783157
Selenium,Dissolved	4.55		0.380	2.00	1	04/28/2015 17:59	WG783445
Sodium	104000		110	1000	1	04/25/2015 01:51	WG783157

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TPH (GC/FID) Low Fraction	1230	J3	31.0	100	1	04/22/2015 10:58	WG783227
(S) a,a,a-Trifluorotoluene(FID)	92.4			62.0-128		04/22/2015 10:58	WG783227

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		10.0	50.0	1	04/24/2015 09:39	WG783748
Benzene	297		8.30	25.0	25	04/27/2015 04:12	WG784762
Bromodichloromethane	U		0.380	1.00	1	04/24/2015 09:39	WG783748
Bromoform	U		0.470	1.00	1	04/24/2015 09:39	WG783748
Bromomethane	U		0.870	5.00	1	04/24/2015 09:39	WG783748
n-Butylbenzene	0.372	J	0.360	1.00	1	04/24/2015 09:39	WG783748
sec-Butylbenzene	0.814	J	0.360	1.00	1	04/24/2015 09:39	WG783748
Carbon disulfide	0.321	J	0.280	1.00	1	04/24/2015 09:39	WG783748
Carbon tetrachloride	U		0.380	1.00	1	04/24/2015 09:39	WG783748
Chlorobenzene	U		0.350	1.00	1	04/24/2015 09:39	WG783748





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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chlorodibromomethane	U		0.330	1.00	1	04/24/2015 09:39	WG783748
Chloroethane	U		0.450	5.00	1	04/24/2015 09:39	WG783748
Chloroform	U		0.320	5.00	1	04/24/2015 09:39	WG783748
Chloromethane	U		0.280	2.50	1	04/24/2015 09:39	WG783748
1,2-Dibromoethane	U		0.380	1.00	1	04/24/2015 09:39	WG783748
1,1-Dichloroethane	U		0.260	1.00	1	04/24/2015 09:39	WG783748
1,2-Dichloroethane	U		0.360	1.00	1	04/24/2015 09:39	WG783748
1,1-Dichloroethene	U		0.400	1.00	1	04/24/2015 09:39	WG783748
cis-1,2-Dichloroethene	U		0.260	1.00	1	04/24/2015 09:39	WG783748
trans-1,2-Dichloroethene	U		0.400	1.00	1	04/24/2015 09:39	WG783748
1,2-Dichloropropane	U		0.310	1.00	1	04/24/2015 09:39	WG783748
cis-1,3-Dichloropropene	U		0.420	1.00	1	04/24/2015 09:39	WG783748
trans-1,3-Dichloropropene	U		0.420	1.00	1	04/24/2015 09:39	WG783748
Ethylbenzene	11.4		0.380	1.00	1	04/24/2015 09:39	WG783748
Isopropylbenzene	3.10		0.330	1.00	1	04/24/2015 09:39	WG783748
p-Isopropyltoluene	U		0.350	1.00	1	04/24/2015 09:39	WG783748
2-Butanone (MEK)	U		3.90	10.0	1	04/24/2015 09:39	WG783748
2-Hexanone	U		3.80	10.0	1	04/24/2015 09:39	WG783748
Methylene Chloride	U		1.00	5.00	1	04/24/2015 09:39	WG783748
4-Methyl-2-pentanone (MIBK)	U		2.10	10.0	1	04/24/2015 09:39	WG783748
Methyl tert-butyl ether	1600		9.20	25.0	25	04/27/2015 04:12	WG784762
Naphthalene	3.46	U	1.00	5.00	1	04/24/2015 09:39	WG783748
n-Propylbenzene	3.69		0.350	1.00	1	04/24/2015 09:39	WG783748
Styrene	U		0.310	1.00	1	04/24/2015 09:39	WG783748
1,1,1,2-Tetrachloroethane	U		0.380	1.00	1	04/24/2015 09:39	WG783748
1,1,2,2-Tetrachloroethane	U		0.130	1.00	1	04/24/2015 09:39	WG783748
Tetrachloroethene	U		0.370	1.00	1	04/24/2015 09:39	WG783748
Toluene	0.928	U	0.780	5.00	1	04/24/2015 09:39	WG783748
1,1,1-Trichloroethane	U		0.319	1.00	1	04/24/2015 09:39	WG783748
1,1,2-Trichloroethane	U		0.380	1.00	1	04/24/2015 09:39	WG783748
Trichloroethene	U		0.400	1.00	1	04/24/2015 09:39	WG783748
1,2,4-Trimethylbenzene	3.74		0.370	1.00	1	04/24/2015 09:39	WG783748
1,3,5-Trimethylbenzene	0.551	U	0.390	1.00	1	04/24/2015 09:39	WG783748
Vinyl chloride	U		0.260	1.00	1	04/24/2015 09:39	WG783748
o-Xylene	U		0.340	1.00	1	04/24/2015 09:39	WG783748
m&p-Xylene	3.26		0.720	1.00	1	04/24/2015 09:39	WG783748
Xylenes, Total	3.26		1.10	3.00	1	04/24/2015 09:39	WG783748
(S) Toluene-d8	107			88.5-111		04/24/2015 09:39	WG783748
(S) Dibromofluoromethane	103			78.3-121		04/24/2015 09:39	WG783748
(S) 4-Bromofluorobenzene	99.6			71.0-126		04/24/2015 09:39	WG783748

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	3000		25.0	100	1	04/23/2015 21:59	WG783366
(S) o-Terphenyl	106			50.0-150		04/23/2015 21:59	WG783366



Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Dissolved Solids	4700000		2800	10000	1	04/25/2015 11:19	WG783825

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Nitrate-Nitrite	295		20.0	100	1	05/01/2015 02:14	WG785026

Wet Chemistry by Method 9056MOD

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	329000		5200	100000	100	04/29/2015 15:48	WG784716
Fluoride	1170		9.90	100	1	04/29/2015 01:03	WG784716
Sulfate	2680000		7700	500000	100	04/29/2015 15:48	WG784716

Metals (ICPMS) by Method 6020

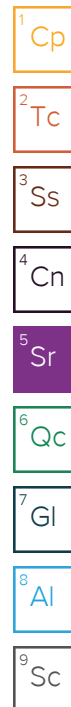
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic	3.69		0.250	2.00	1	04/25/2015 01:54	WG783157
Arsenic,Dissolved	3.67		0.250	2.00	1	04/28/2015 18:01	WG783445
Barium	9.61		0.360	5.00	1	04/25/2015 01:54	WG783157
Barium,Dissolved	8.42		0.360	5.00	1	04/28/2015 18:01	WG783445
Calcium	523000		46.0	1000	1	04/25/2015 01:54	WG783157
Chromium	U		0.540	2.00	1	04/25/2015 01:54	WG783157
Chromium,Dissolved	U		0.540	2.00	1	04/28/2015 18:01	WG783445
Iron	U		15.0	100	1	04/25/2015 01:54	WG783157
Iron,Dissolved	U		15.0	100	1	04/28/2015 18:01	WG783445
Lead	U		0.240	2.00	1	04/25/2015 01:54	WG783157
Lead,Dissolved	U		0.240	2.00	1	04/28/2015 18:01	WG783445
Manganese	405		0.250	5.00	1	04/25/2015 01:54	WG783157
Manganese,Dissolved	385		0.250	5.00	1	04/28/2015 18:01	WG783445
Potassium	1210		37.0	1000	1	04/25/2015 01:54	WG783157
Selenium	5.81		0.380	2.00	1	04/25/2015 01:54	WG783157
Selenium,Dissolved	7.97		0.380	2.00	1	04/28/2015 18:01	WG783445
Sodium	217000		110	1000	1	04/25/2015 01:54	WG783157

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TPH (GC/FID) Low Fraction	U	J3	31.0	100	1	04/22/2015 11:20	WG783227
(S) a,a,a-Trifluorotoluene(FID)	92.2			62.0-128		04/22/2015 11:20	WG783227

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		10.0	50.0	1	04/24/2015 09:58	WG783748
Benzene	U		0.330	1.00	1	04/27/2015 04:33	WG784762
Bromodichloromethane	U		0.380	1.00	1	04/24/2015 09:58	WG783748
Bromoform	U		0.470	1.00	1	04/24/2015 09:58	WG783748
Bromomethane	U		0.870	5.00	1	04/24/2015 09:58	WG783748
n-Butylbenzene	U		0.360	1.00	1	04/24/2015 09:58	WG783748
sec-Butylbenzene	U		0.360	1.00	1	04/24/2015 09:58	WG783748
Carbon disulfide	U		0.280	1.00	1	04/24/2015 09:58	WG783748
Carbon tetrachloride	U		0.380	1.00	1	04/24/2015 09:58	WG783748
Chlorobenzene	U		0.350	1.00	1	04/24/2015 09:58	WG783748





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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chlorodibromomethane	U		0.330	1.00	1	04/24/2015 09:58	WG783748
Chloroethane	U		0.450	5.00	1	04/24/2015 09:58	WG783748
Chloroform	U		0.320	5.00	1	04/24/2015 09:58	WG783748
Chloromethane	U		0.280	2.50	1	04/24/2015 09:58	WG783748
1,2-Dibromoethane	U		0.380	1.00	1	04/24/2015 09:58	WG783748
1,1-Dichloroethane	U		0.260	1.00	1	04/24/2015 09:58	WG783748
1,2-Dichloroethane	U		0.360	1.00	1	04/24/2015 09:58	WG783748
1,1-Dichloroethene	U		0.400	1.00	1	04/24/2015 09:58	WG783748
cis-1,2-Dichloroethene	U		0.260	1.00	1	04/24/2015 09:58	WG783748
trans-1,2-Dichloroethene	U		0.400	1.00	1	04/24/2015 09:58	WG783748
1,2-Dichloropropane	U		0.310	1.00	1	04/24/2015 09:58	WG783748
cis-1,3-Dichloropropene	U		0.420	1.00	1	04/24/2015 09:58	WG783748
trans-1,3-Dichloropropene	U		0.420	1.00	1	04/24/2015 09:58	WG783748
Ethylbenzene	U		0.380	1.00	1	04/24/2015 09:58	WG783748
Isopropylbenzene	U		0.330	1.00	1	04/24/2015 09:58	WG783748
p-Isopropyltoluene	U		0.350	1.00	1	04/24/2015 09:58	WG783748
2-Butanone (MEK)	U		3.90	10.0	1	04/24/2015 09:58	WG783748
2-Hexanone	U		3.80	10.0	1	04/24/2015 09:58	WG783748
Methylene Chloride	U		1.00	5.00	1	04/24/2015 09:58	WG783748
4-Methyl-2-pentanone (MIBK)	U		2.10	10.0	1	04/24/2015 09:58	WG783748
Methyl tert-butyl ether	U		0.370	1.00	1	04/27/2015 04:33	WG784762
Naphthalene	U		1.00	5.00	1	04/24/2015 09:58	WG783748
n-Propylbenzene	U		0.350	1.00	1	04/24/2015 09:58	WG783748
Styrene	U		0.310	1.00	1	04/24/2015 09:58	WG783748
1,1,1,2-Tetrachloroethane	U		0.380	1.00	1	04/24/2015 09:58	WG783748
1,1,2,2-Tetrachloroethane	U		0.130	1.00	1	04/24/2015 09:58	WG783748
Tetrachloroethene	U		0.370	1.00	1	04/24/2015 09:58	WG783748
Toluene	U		0.780	5.00	1	04/24/2015 09:58	WG783748
1,1,1-Trichloroethane	U		0.319	1.00	1	04/24/2015 09:58	WG783748
1,1,2-Trichloroethane	U		0.380	1.00	1	04/24/2015 09:58	WG783748
Trichloroethene	U		0.400	1.00	1	04/24/2015 09:58	WG783748
1,2,4-Trimethylbenzene	U		0.370	1.00	1	04/24/2015 09:58	WG783748
1,3,5-Trimethylbenzene	U		0.390	1.00	1	04/24/2015 09:58	WG783748
Vinyl chloride	U		0.260	1.00	1	04/24/2015 09:58	WG783748
o-Xylene	U		0.340	1.00	1	04/24/2015 09:58	WG783748
m&p-Xylene	U		0.720	1.00	1	04/24/2015 09:58	WG783748
Xylenes, Total	U		1.10	3.00	1	04/24/2015 09:58	WG783748
(S) Toluene-d8	107			88.5-111		04/24/2015 09:58	WG783748
(S) Dibromofluoromethane	105			78.3-121		04/24/2015 09:58	WG783748
(S) 4-Bromofluorobenzene	100			71.0-126		04/24/2015 09:58	WG783748

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

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	100		25.0	100	1	04/23/2015 22:17	WG783366
(S) o-Terphenyl	111			50.0-150		04/23/2015 22:17	WG783366



Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Dissolved Solids	3300000		2800	10000	1	04/25/2015 11:18	WG783825

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Nitrate-Nitrite	75.3	J	20.0	100	1	05/01/2015 02:17	WG785026

Wet Chemistry by Method 9056MOD

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	131000		5200	100000	100	04/29/2015 16:03	WG784716
Fluoride	2280		9.90	100	1	04/29/2015 01:18	WG784716
Sulfate	1800000		7700	500000	100	04/29/2015 16:03	WG784716

Metals (ICPMS) by Method 6020

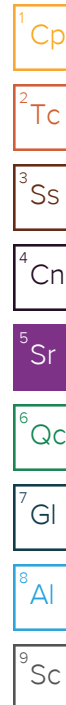
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic	5.21		0.250	2.00	1	04/25/2015 00:58	WG783157
Arsenic,Dissolved	5.07		0.250	2.00	1	04/28/2015 18:04	WG783445
Barium	9.31		0.360	5.00	1	04/25/2015 00:58	WG783157
Barium,Dissolved	9.04		0.360	5.00	1	04/28/2015 18:04	WG783445
Calcium	534000	V	46.0	1000	1	04/25/2015 00:58	WG783157
Chromium	U		0.540	2.00	1	04/25/2015 00:58	WG783157
Chromium,Dissolved	0.586	J	0.540	2.00	1	04/28/2015 18:04	WG783445
Iron	U		15.0	100	1	04/25/2015 00:58	WG783157
Iron,Dissolved	U		15.0	100	1	04/28/2015 18:04	WG783445
Lead	U		0.240	2.00	1	04/25/2015 00:58	WG783157
Lead,Dissolved	U		0.240	2.00	1	04/28/2015 18:04	WG783445
Manganese	4.54	J	0.250	5.00	1	04/25/2015 00:58	WG783157
Manganese,Dissolved	3.16	J	0.250	5.00	1	04/28/2015 18:04	WG783445
Potassium	3570		37.0	1000	1	04/25/2015 00:58	WG783157
Selenium	1.03	J	0.380	2.00	1	04/25/2015 00:58	WG783157
Selenium,Dissolved	4.17		0.380	2.00	1	04/28/2015 18:04	WG783445
Sodium	92100		110	1000	1	04/25/2015 00:58	WG783157

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TPH (GC/FID) Low Fraction	U	J3	31.0	100	1	04/22/2015 11:42	WG783227
(S) a,a,a-Trifluorotoluene(FID)	92.3			62.0-128		04/22/2015 11:42	WG783227

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		10.0	50.0	1	04/24/2015 10:18	WG783748
Benzene	U		0.330	1.00	1	04/24/2015 10:18	WG783748
Bromodichloromethane	U		0.380	1.00	1	04/24/2015 10:18	WG783748
Bromoform	U		0.470	1.00	1	04/24/2015 10:18	WG783748
Bromomethane	U		0.870	5.00	1	04/24/2015 10:18	WG783748
n-Butylbenzene	U		0.360	1.00	1	04/24/2015 10:18	WG783748
sec-Butylbenzene	U		0.360	1.00	1	04/24/2015 10:18	WG783748
Carbon disulfide	U		0.280	1.00	1	04/24/2015 10:18	WG783748
Carbon tetrachloride	U		0.380	1.00	1	04/24/2015 10:18	WG783748
Chlorobenzene	U		0.350	1.00	1	04/24/2015 10:18	WG783748





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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chlorodibromomethane	U		0.330	1.00	1	04/24/2015 10:18	WG783748
Chloroethane	U		0.450	5.00	1	04/24/2015 10:18	WG783748
Chloroform	U		0.320	5.00	1	04/24/2015 10:18	WG783748
Chloromethane	U		0.280	2.50	1	04/24/2015 10:18	WG783748
1,2-Dibromoethane	U		0.380	1.00	1	04/24/2015 10:18	WG783748
1,1-Dichloroethane	U		0.260	1.00	1	04/24/2015 10:18	WG783748
1,2-Dichloroethane	U		0.360	1.00	1	04/24/2015 10:18	WG783748
1,1-Dichloroethene	U		0.400	1.00	1	04/24/2015 10:18	WG783748
cis-1,2-Dichloroethene	U		0.260	1.00	1	04/24/2015 10:18	WG783748
trans-1,2-Dichloroethene	U		0.400	1.00	1	04/24/2015 10:18	WG783748
1,2-Dichloropropane	U		0.310	1.00	1	04/24/2015 10:18	WG783748
cis-1,3-Dichloropropene	U		0.420	1.00	1	04/24/2015 10:18	WG783748
trans-1,3-Dichloropropene	U		0.420	1.00	1	04/24/2015 10:18	WG783748
Ethylbenzene	U		0.380	1.00	1	04/24/2015 10:18	WG783748
Isopropylbenzene	U		0.330	1.00	1	04/24/2015 10:18	WG783748
p-Isopropyltoluene	U		0.350	1.00	1	04/24/2015 10:18	WG783748
2-Butanone (MEK)	U		3.90	10.0	1	04/24/2015 10:18	WG783748
2-Hexanone	U		3.80	10.0	1	04/24/2015 10:18	WG783748
Methylene Chloride	U		1.00	5.00	1	04/24/2015 10:18	WG783748
4-Methyl-2-pentanone (MIBK)	U		2.10	10.0	1	04/24/2015 10:18	WG783748
Methyl tert-butyl ether	U		0.370	1.00	1	04/24/2015 10:18	WG783748
Naphthalene	U		1.00	5.00	1	04/24/2015 10:18	WG783748
n-Propylbenzene	U		0.350	1.00	1	04/24/2015 10:18	WG783748
Styrene	U		0.310	1.00	1	04/24/2015 10:18	WG783748
1,1,1,2-Tetrachloroethane	U		0.380	1.00	1	04/24/2015 10:18	WG783748
1,1,2,2-Tetrachloroethane	U		0.130	1.00	1	04/24/2015 10:18	WG783748
Tetrachloroethene	U		0.370	1.00	1	04/24/2015 10:18	WG783748
Toluene	U		0.780	5.00	1	04/24/2015 10:18	WG783748
1,1,1-Trichloroethane	U		0.319	1.00	1	04/24/2015 10:18	WG783748
1,1,2-Trichloroethane	U		0.380	1.00	1	04/24/2015 10:18	WG783748
Trichloroethene	U		0.400	1.00	1	04/24/2015 10:18	WG783748
1,2,4-Trimethylbenzene	U		0.370	1.00	1	04/24/2015 10:18	WG783748
1,3,5-Trimethylbenzene	U		0.390	1.00	1	04/24/2015 10:18	WG783748
Vinyl chloride	U		0.260	1.00	1	04/24/2015 10:18	WG783748
o-Xylene	U		0.340	1.00	1	04/24/2015 10:18	WG783748
m&p-Xylene	U		0.720	1.00	1	04/24/2015 10:18	WG783748
Xylenes, Total	U		1.10	3.00	1	04/24/2015 10:18	WG783748
(S) Toluene-d8	106			88.5-111		04/24/2015 10:18	WG783748
(S) Dibromofluoromethane	99.3			78.3-121		04/24/2015 10:18	WG783748
(S) 4-Bromofluorobenzene	96.8			71.0-126		04/24/2015 10:18	WG783748

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

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	92.0	J	25.0	100	1	04/23/2015 22:36	WG783366
(S) o-Terphenyl	110			50.0-150		04/23/2015 22:36	WG783366



Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Dissolved Solids	6200000		2800	10000	1	04/25/2015 12:14	WG783999

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Nitrate-Nitrite	33.3	J	20.0	100	1	05/01/2015 02:18	WG785026

Wet Chemistry by Method 9056MOD

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	464000		5200	100000	100	04/29/2015 16:18	WG784716
Fluoride	2420		9.90	100	1	04/29/2015 01:33	WG784716
Sulfate	3510000		7700	500000	100	04/29/2015 16:18	WG784716

Metals (ICPMS) by Method 6020

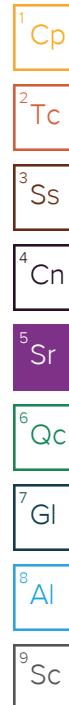
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic	6.97		0.250	2.00	1	04/25/2015 01:56	WG783157
Arsenic,Dissolved	7.97		0.250	2.00	1	04/28/2015 18:06	WG783445
Barium	11.8		0.360	5.00	1	04/25/2015 01:56	WG783157
Barium,Dissolved	9.65		0.360	5.00	1	04/28/2015 18:06	WG783445
Calcium	546000		46.0	1000	1	04/25/2015 01:56	WG783157
Chromium	U		0.540	2.00	1	04/25/2015 01:56	WG783157
Chromium,Dissolved	0.735	J	0.540	2.00	1	04/28/2015 18:06	WG783445
Iron	68.4	J	15.0	100	1	04/30/2015 01:00	WG785470
Iron,Dissolved	28.3	J	15.0	100	1	04/28/2015 18:06	WG783445
Lead	U		0.240	2.00	1	04/25/2015 01:56	WG783157
Lead,Dissolved	U		0.240	2.00	1	04/28/2015 18:06	WG783445
Manganese	120		0.250	5.00	1	04/25/2015 01:56	WG783157
Manganese,Dissolved	102		0.250	5.00	1	04/28/2015 18:06	WG783445
Potassium	425	J	37.0	1000	1	04/25/2015 01:56	WG783157
Selenium	1.65	J	0.380	2.00	1	04/25/2015 01:56	WG783157
Selenium,Dissolved	3.13		0.380	2.00	1	04/28/2015 18:06	WG783445
Sodium	385000		110	1000	1	04/25/2015 01:56	WG783157

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TPH (GC/FID) Low Fraction	U	J3	31.0	100	1	04/22/2015 12:04	WG783227
(S) a,a,a-Trifluorotoluene(FID)	92.3			62.0-128		04/22/2015 12:04	WG783227

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		10.0	50.0	1	04/24/2015 10:37	WG783748
Benzene	U		0.330	1.00	1	04/24/2015 10:37	WG783748
Bromodichloromethane	U		0.380	1.00	1	04/24/2015 10:37	WG783748
Bromoform	U		0.470	1.00	1	04/24/2015 10:37	WG783748
Bromomethane	U		0.870	5.00	1	04/24/2015 10:37	WG783748
n-Butylbenzene	U		0.360	1.00	1	04/24/2015 10:37	WG783748
sec-Butylbenzene	U		0.360	1.00	1	04/24/2015 10:37	WG783748
Carbon disulfide	U		0.280	1.00	1	04/24/2015 10:37	WG783748
Carbon tetrachloride	U		0.380	1.00	1	04/24/2015 10:37	WG783748
Chlorobenzene	U		0.350	1.00	1	04/24/2015 10:37	WG783748





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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chlorodibromomethane	U		0.330	1.00	1	04/24/2015 10:37	WG783748
Chloroethane	U		0.450	5.00	1	04/24/2015 10:37	WG783748
Chloroform	U		0.320	5.00	1	04/24/2015 10:37	WG783748
Chloromethane	U		0.280	2.50	1	04/24/2015 10:37	WG783748
1,2-Dibromoethane	U		0.380	1.00	1	04/24/2015 10:37	WG783748
1,1-Dichloroethane	U		0.260	1.00	1	04/24/2015 10:37	WG783748
1,2-Dichloroethane	U		0.360	1.00	1	04/24/2015 10:37	WG783748
1,1-Dichloroethene	U		0.400	1.00	1	04/24/2015 10:37	WG783748
cis-1,2-Dichloroethene	U		0.260	1.00	1	04/24/2015 10:37	WG783748
trans-1,2-Dichloroethene	U		0.400	1.00	1	04/24/2015 10:37	WG783748
1,2-Dichloropropane	U		0.310	1.00	1	04/24/2015 10:37	WG783748
cis-1,3-Dichloropropene	U		0.420	1.00	1	04/24/2015 10:37	WG783748
trans-1,3-Dichloropropene	U		0.420	1.00	1	04/24/2015 10:37	WG783748
Ethylbenzene	U		0.380	1.00	1	04/24/2015 10:37	WG783748
Isopropylbenzene	U		0.330	1.00	1	04/24/2015 10:37	WG783748
p-Isopropyltoluene	U		0.350	1.00	1	04/24/2015 10:37	WG783748
2-Butanone (MEK)	U		3.90	10.0	1	04/24/2015 10:37	WG783748
2-Hexanone	U		3.80	10.0	1	04/24/2015 10:37	WG783748
Methylene Chloride	U		1.00	5.00	1	04/24/2015 10:37	WG783748
4-Methyl-2-pentanone (MIBK)	U		2.10	10.0	1	04/24/2015 10:37	WG783748
Methyl tert-butyl ether	U		0.370	1.00	1	04/24/2015 10:37	WG783748
Naphthalene	U		1.00	5.00	1	04/24/2015 10:37	WG783748
n-Propylbenzene	U		0.350	1.00	1	04/24/2015 10:37	WG783748
Styrene	U		0.310	1.00	1	04/24/2015 10:37	WG783748
1,1,1,2-Tetrachloroethane	U		0.380	1.00	1	04/24/2015 10:37	WG783748
1,1,2,2-Tetrachloroethane	U		0.130	1.00	1	04/24/2015 10:37	WG783748
Tetrachloroethene	U		0.370	1.00	1	04/24/2015 10:37	WG783748
Toluene	U		0.780	5.00	1	04/24/2015 10:37	WG783748
1,1,1-Trichloroethane	U		0.319	1.00	1	04/24/2015 10:37	WG783748
1,1,2-Trichloroethane	U		0.380	1.00	1	04/24/2015 10:37	WG783748
Trichloroethene	U		0.400	1.00	1	04/24/2015 10:37	WG783748
1,2,4-Trimethylbenzene	U		0.370	1.00	1	04/24/2015 10:37	WG783748
1,3,5-Trimethylbenzene	U		0.390	1.00	1	04/24/2015 10:37	WG783748
Vinyl chloride	U		0.260	1.00	1	04/24/2015 10:37	WG783748
o-Xylene	U		0.340	1.00	1	04/24/2015 10:37	WG783748
m&p-Xylene	U		0.720	1.00	1	04/24/2015 10:37	WG783748
Xylenes, Total	U		1.10	3.00	1	04/24/2015 10:37	WG783748
(S) Toluene-d8	107			88.5-111		04/24/2015 10:37	WG783748
(S) Dibromofluoromethane	101			78.3-121		04/24/2015 10:37	WG783748
(S) 4-Bromofluorobenzene	102			71.0-126		04/24/2015 10:37	WG783748

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	82.0	J	25.0	100	1	04/23/2015 22:55	WG783366
(S) o-Terphenyl	113			50.0-150		04/23/2015 22:55	WG783366



Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Dissolved Solids	3640000		2800	10000	1	04/25/2015 12:15	WG783999

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Nitrate-Nitrite	75.2	J	20.0	100	1	05/01/2015 02:19	WG785026

Wet Chemistry by Method 9056MOD

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	80300		52.0	1000	1	04/29/2015 01:47	WG784716
Fluoride	1950		9.90	100	1	04/29/2015 01:47	WG784716
Sulfate	2140000		7700	500000	100	04/29/2015 16:33	WG784716

Metals (ICPMS) by Method 6020

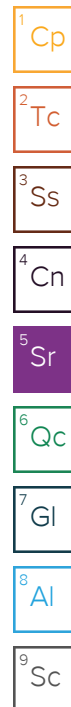
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic	2.79		0.250	2.00	1	04/25/2015 01:59	WG783157
Arsenic,Dissolved	2.73		0.250	2.00	1	04/28/2015 16:36	WG783445
Barium	16.5		0.360	5.00	1	04/25/2015 01:59	WG783157
Barium,Dissolved	12.7	J5	0.360	5.00	1	04/28/2015 16:36	WG783445
Calcium	570000		46.0	1000	1	04/25/2015 01:59	WG783157
Chromium	0.896	J	0.540	2.00	1	04/25/2015 01:59	WG783157
Chromium,Dissolved	U		0.540	2.00	1	04/28/2015 16:36	WG783445
Iron	361		15.0	100	1	04/30/2015 01:02	WG785470
Iron,Dissolved	U		15.0	100	1	04/28/2015 16:36	WG783445
Lead	0.317	J	0.240	2.00	1	04/25/2015 01:59	WG783157
Lead,Dissolved	U		0.240	2.00	1	04/28/2015 16:36	WG783445
Manganese	927		0.250	5.00	1	04/25/2015 01:59	WG783157
Manganese,Dissolved	894	O1	0.250	5.00	1	04/28/2015 16:36	WG783445
Potassium	2290		37.0	1000	1	04/25/2015 01:59	WG783157
Selenium	2.72		0.380	2.00	1	04/25/2015 01:59	WG783157
Selenium,Dissolved	1.80	J	0.380	2.00	1	04/28/2015 16:36	WG783445
Sodium	114000		110	1000	1	04/25/2015 01:59	WG783157

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TPH (GC/FID) Low Fraction	U	J3	31.0	100	1	04/22/2015 12:26	WG783227
(S) a,a,a-Trifluorotoluene(FID)	88.8			62.0-128		04/22/2015 12:26	WG783227

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		10.0	50.0	1	04/27/2015 04:53	WG784762
Benzene	U		0.330	1.00	1	04/27/2015 04:53	WG784762
Bromodichloromethane	U		0.380	1.00	1	04/27/2015 04:53	WG784762
Bromoform	U		0.470	1.00	1	04/27/2015 04:53	WG784762
Bromomethane	U		0.870	5.00	1	04/27/2015 04:53	WG784762
n-Butylbenzene	U		0.360	1.00	1	04/27/2015 04:53	WG784762
sec-Butylbenzene	U		0.360	1.00	1	04/27/2015 04:53	WG784762
Carbon disulfide	U		0.280	1.00	1	04/27/2015 04:53	WG784762
Carbon tetrachloride	U		0.380	1.00	1	04/27/2015 04:53	WG784762
Chlorobenzene	U		0.350	1.00	1	04/27/2015 04:53	WG784762





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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chlorodibromomethane	U		0.330	1.00	1	04/27/2015 04:53	WG784762
Chloroethane	U		0.450	5.00	1	04/27/2015 04:53	WG784762
Chloroform	U		0.320	5.00	1	04/27/2015 04:53	WG784762
Chloromethane	U		0.280	2.50	1	04/27/2015 04:53	WG784762
1,2-Dibromoethane	U		0.380	1.00	1	04/27/2015 04:53	WG784762
1,1-Dichloroethane	U		0.260	1.00	1	04/27/2015 04:53	WG784762
1,2-Dichloroethane	U		0.360	1.00	1	04/27/2015 04:53	WG784762
1,1-Dichloroethene	U		0.400	1.00	1	04/27/2015 04:53	WG784762
cis-1,2-Dichloroethene	U		0.260	1.00	1	04/27/2015 04:53	WG784762
trans-1,2-Dichloroethene	U		0.400	1.00	1	04/27/2015 04:53	WG784762
1,2-Dichloropropane	U		0.310	1.00	1	04/27/2015 04:53	WG784762
cis-1,3-Dichloropropene	U		0.420	1.00	1	04/27/2015 04:53	WG784762
trans-1,3-Dichloropropene	U		0.420	1.00	1	04/27/2015 04:53	WG784762
Ethylbenzene	U		0.380	1.00	1	04/27/2015 04:53	WG784762
Isopropylbenzene	U		0.330	1.00	1	04/27/2015 04:53	WG784762
p-Isopropyltoluene	U		0.350	1.00	1	04/27/2015 04:53	WG784762
2-Butanone (MEK)	U		3.90	10.0	1	04/27/2015 04:53	WG784762
2-Hexanone	U		3.80	10.0	1	04/27/2015 04:53	WG784762
Methylene Chloride	U		1.00	5.00	1	04/27/2015 04:53	WG784762
4-Methyl-2-pentanone (MIBK)	U		2.10	10.0	1	04/27/2015 04:53	WG784762
Methyl tert-butyl ether	U		0.370	1.00	1	04/27/2015 04:53	WG784762
Naphthalene	U		1.00	5.00	1	04/27/2015 04:53	WG784762
n-Propylbenzene	U		0.350	1.00	1	04/27/2015 04:53	WG784762
Styrene	U		0.310	1.00	1	04/27/2015 04:53	WG784762
1,1,1,2-Tetrachloroethane	U		0.380	1.00	1	04/27/2015 04:53	WG784762
1,1,2,2-Tetrachloroethane	U		0.130	1.00	1	04/27/2015 04:53	WG784762
Tetrachloroethene	U		0.370	1.00	1	04/27/2015 04:53	WG784762
Toluene	U		0.780	5.00	1	04/27/2015 04:53	WG784762
1,1,1-Trichloroethane	U		0.319	1.00	1	04/27/2015 04:53	WG784762
1,1,2-Trichloroethane	U		0.380	1.00	1	04/27/2015 04:53	WG784762
Trichloroethene	U		0.400	1.00	1	04/27/2015 04:53	WG784762
1,2,4-Trimethylbenzene	U		0.370	1.00	1	04/27/2015 04:53	WG784762
1,3,5-Trimethylbenzene	U		0.390	1.00	1	04/27/2015 04:53	WG784762
Vinyl chloride	U		0.260	1.00	1	04/27/2015 04:53	WG784762
o-Xylene	U		0.340	1.00	1	04/27/2015 04:53	WG784762
m&p-Xylene	U		0.720	1.00	1	04/27/2015 04:53	WG784762
Xylenes, Total	U		1.10	3.00	1	04/27/2015 04:53	WG784762
(S) Toluene-d8	106			88.5-111		04/27/2015 04:53	WG784762
(S) Dibromofluoromethane	123	<u>J1</u>		78.3-121		04/27/2015 04:53	WG784762
(S) 4-Bromofluorobenzene	106			71.0-126		04/27/2015 04:53	WG784762

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	46.0	<u>J</u>	25.0	100	1	04/23/2015 23:13	WG783366
(S) o-Terphenyl	113			50.0-150		04/23/2015 23:13	WG783366



Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Dissolved Solids	725000		2800	10000	1	04/27/2015 08:59	WG784339

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Nitrate-Nitrite	U		200	1000	10	05/01/2015 02:20	WG785026

Wet Chemistry by Method 9056MOD

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	161000		100	2000	2	04/29/2015 17:21	WG784716
Fluoride	498		9.90	100	1	04/29/2015 02:17	WG784716
Sulfate	47600		77.0	5000	1	04/29/2015 02:17	WG784716

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic	4.00		0.250	2.00	1	04/25/2015 02:01	WG783157
Arsenic,Dissolved	4.12		0.250	2.00	1	04/29/2015 00:58	WG783446
Barium	20.4		0.360	5.00	1	04/25/2015 02:01	WG783157
Barium,Dissolved	580		0.360	5.00	1	04/29/2015 00:58	WG783446
Calcium	258000		46.0	1000	1	04/25/2015 02:01	WG783157
Chromium	U		0.540	2.00	1	04/25/2015 02:01	WG783157
Chromium,Dissolved	0.777	J	0.540	2.00	1	04/29/2015 00:58	WG783446
Iron	562		15.0	100	1	04/30/2015 01:05	WG785470
Iron,Dissolved	255		15.0	100	1	04/29/2015 00:58	WG783446
Lead	0.320	J	0.240	2.00	1	04/25/2015 02:01	WG783157
Lead,Dissolved	1.39	J	0.240	2.00	1	04/29/2015 00:58	WG783446
Manganese	94.8		0.250	5.00	1	04/25/2015 02:01	WG783157
Manganese,Dissolved	242		0.250	5.00	1	04/29/2015 00:58	WG783446
Potassium	680	J	37.0	1000	1	04/25/2015 02:01	WG783157
Selenium	3.86		0.380	2.00	1	04/25/2015 02:01	WG783157
Selenium,Dissolved	3.02	J3 J6	0.380	2.00	1	04/29/2015 00:58	WG783446
Sodium	276000		110	1000	1	04/25/2015 02:01	WG783157

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TPH (GC/FID) Low Fraction	3650	J3	31.0	100	1	04/22/2015 12:48	WG783227
(S) a,a,a-Trifluorotoluene(FID)	96.6			62.0-128		04/22/2015 12:48	WG783227

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		100	500	10	04/27/2015 05:13	WG784762
Benzene	890		3.30	10.0	10	04/27/2015 05:13	WG784762
Bromodichloromethane	U		3.80	10.0	10	04/27/2015 05:13	WG784762
Bromoform	U		4.70	10.0	10	04/27/2015 05:13	WG784762
Bromomethane	U		8.70	50.0	10	04/27/2015 05:13	WG784762
n-Butylbenzene	U		3.60	10.0	10	04/27/2015 05:13	WG784762
sec-Butylbenzene	6.41	J	3.60	10.0	10	04/27/2015 05:13	WG784762
Carbon disulfide	7.04	J	2.80	10.0	10	04/27/2015 05:13	WG784762
Carbon tetrachloride	U		3.80	10.0	10	04/27/2015 05:13	WG784762
Chlorobenzene	U		3.50	10.0	10	04/27/2015 05:13	WG784762



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chlorodibromomethane	U		3.30	10.0	10	04/27/2015 05:13	WG784762
Chloroethane	U		4.50	50.0	10	04/27/2015 05:13	WG784762
Chloroform	U		3.20	50.0	10	04/27/2015 05:13	WG784762
Chloromethane	U		2.80	25.0	10	04/27/2015 05:13	WG784762
1,2-Dibromoethane	U		3.80	10.0	10	04/27/2015 05:13	WG784762
1,1-Dichloroethane	U		2.60	10.0	10	04/27/2015 05:13	WG784762
1,2-Dichloroethane	U		3.60	10.0	10	04/27/2015 05:13	WG784762
1,1-Dichloroethene	U		4.00	10.0	10	04/27/2015 05:13	WG784762
cis-1,2-Dichloroethene	U		2.60	10.0	10	04/27/2015 05:13	WG784762
trans-1,2-Dichloroethene	U		4.00	10.0	10	04/27/2015 05:13	WG784762
1,2-Dichloropropane	U		3.10	10.0	10	04/27/2015 05:13	WG784762
cis-1,3-Dichloropropene	U		4.20	10.0	10	04/27/2015 05:13	WG784762
trans-1,3-Dichloropropene	U		4.20	10.0	10	04/27/2015 05:13	WG784762
Ethylbenzene	158		3.80	10.0	10	04/27/2015 05:13	WG784762
Isopropylbenzene	36.1		3.30	10.0	10	04/27/2015 05:13	WG784762
p-Isopropyltoluene	U		3.50	10.0	10	04/27/2015 05:13	WG784762
2-Butanone (MEK)	U		39.0	100	10	04/27/2015 05:13	WG784762
2-Hexanone	U		38.0	100	10	04/27/2015 05:13	WG784762
Methylene Chloride	U		10.0	50.0	10	04/27/2015 05:13	WG784762
4-Methyl-2-pentanone (MIBK)	U		21.0	100	10	04/27/2015 05:13	WG784762
Methyl tert-butyl ether	223		3.70	10.0	10	04/27/2015 05:13	WG784762
Naphthalene	24.5	U	10.0	50.0	10	04/27/2015 05:13	WG784762
n-Propylbenzene	47.8		3.50	10.0	10	04/27/2015 05:13	WG784762
Styrene	U		3.10	10.0	10	04/27/2015 05:13	WG784762
1,1,1,2-Tetrachloroethane	U		3.80	10.0	10	04/27/2015 05:13	WG784762
1,1,2,2-Tetrachloroethane	U		1.30	10.0	10	04/27/2015 05:13	WG784762
Tetrachloroethene	U		3.70	10.0	10	04/27/2015 05:13	WG784762
Toluene	14.6	U	7.80	50.0	10	04/27/2015 05:13	WG784762
1,1,1-Trichloroethane	U		3.19	10.0	10	04/27/2015 05:13	WG784762
1,1,2-Trichloroethane	U		3.80	10.0	10	04/27/2015 05:13	WG784762
Trichloroethene	U		4.00	10.0	10	04/27/2015 05:13	WG784762
1,2,4-Trimethylbenzene	140		3.70	10.0	10	04/27/2015 05:13	WG784762
1,3,5-Trimethylbenzene	9.62	U	3.90	10.0	10	04/27/2015 05:13	WG784762
Vinyl chloride	U		2.60	10.0	10	04/27/2015 05:13	WG784762
o-Xylene	9.73	U	3.40	10.0	10	04/27/2015 05:13	WG784762
m&p-Xylene	143		7.20	10.0	10	04/27/2015 05:13	WG784762
Xylenes, Total	153		11.0	30.0	10	04/27/2015 05:13	WG784762
(S) Toluene-d8	107			88.5-111		04/27/2015 05:13	WG784762
(S) Dibromofluoromethane	105			78.3-121		04/27/2015 05:13	WG784762
(S) 4-Bromofluorobenzene	108			71.0-126		04/27/2015 05:13	WG784762

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

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	3900		25.0	100	1	04/23/2015 23:32	WG783366
(S) o-Terphenyl	115			50.0-150		04/23/2015 23:32	WG783366



Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Dissolved Solids	3710000		2800	10000	1	04/27/2015 08:57	WG784339

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Nitrate-Nitrite	471		20.0	100	1	05/01/2015 02:22	WG785026

Wet Chemistry by Method 9056MOD

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	259000		5200	100000	100	04/28/2015 09:26	WG784717
Fluoride	952		9.90	100	1	04/27/2015 17:04	WG784717
Sulfate	1080000		7700	500000	100	04/28/2015 09:26	WG784717

Metals (ICPMS) by Method 6020

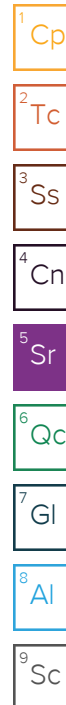
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic	7.18		0.250	2.00	1	04/25/2015 02:04	WG783157
Arsenic,Dissolved	4.64		0.250	2.00	1	04/29/2015 01:13	WG783446
Barium	677		0.360	5.00	1	04/25/2015 02:04	WG783157
Barium,Dissolved	23.3		0.360	5.00	1	04/29/2015 01:13	WG783446
Calcium	81800		46.0	1000	1	04/25/2015 02:04	WG783157
Chromium	2.05		0.540	2.00	1	04/25/2015 02:04	WG783157
Chromium,Dissolved	1.55	J	0.540	2.00	1	04/29/2015 01:13	WG783446
Iron	143		15.0	100	1	04/30/2015 01:07	WG785470
Iron,Dissolved	446		15.0	100	1	04/29/2015 01:13	WG783446
Lead	9.29		0.240	2.00	1	04/25/2015 02:04	WG783157
Lead,Dissolved	1.65	J	0.240	2.00	1	04/29/2015 10:15	WG783446
Manganese	242		0.250	5.00	1	04/25/2015 02:04	WG783157
Manganese,Dissolved	119		0.250	5.00	1	04/29/2015 01:13	WG783446
Potassium	6710		37.0	1000	1	04/25/2015 02:04	WG783157
Selenium	U		1.90	10.0	5	04/24/2015 20:52	WG783157
Selenium,Dissolved	3.37		0.380	2.00	1	04/29/2015 01:13	WG783446
Sodium	125000		110	1000	1	04/25/2015 02:04	WG783157

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TPH (GC/FID) Low Fraction	U	J3	31.0	100	1	04/22/2015 13:10	WG783227
(S) a,a,a-Trifluorotoluene(FID)	92.1			62.0-128		04/22/2015 13:10	WG783227

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		10.0	50.0	1	04/30/2015 00:20	WG785102
Benzene	U		0.330	1.00	1	04/30/2015 00:20	WG785102
Bromodichloromethane	U		0.380	1.00	1	04/30/2015 00:20	WG785102
Bromoform	U		0.470	1.00	1	04/30/2015 00:20	WG785102
Bromomethane	U		0.870	5.00	1	04/30/2015 00:20	WG785102
n-Butylbenzene	U		0.360	1.00	1	04/30/2015 00:20	WG785102
sec-Butylbenzene	U		0.360	1.00	1	04/30/2015 00:20	WG785102
Carbon disulfide	U		0.280	1.00	1	04/30/2015 00:20	WG785102
Carbon tetrachloride	U		0.380	1.00	1	04/30/2015 00:20	WG785102
Chlorobenzene	U		0.350	1.00	1	04/30/2015 00:20	WG785102





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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chlorodibromomethane	U		0.330	1.00	1	04/30/2015 00:20	WG785102
Chloroethane	U		0.450	5.00	1	04/30/2015 00:20	WG785102
Chloroform	U		0.320	5.00	1	04/30/2015 00:20	WG785102
Chloromethane	U		0.280	2.50	1	04/30/2015 00:20	WG785102
1,2-Dibromoethane	U		0.380	1.00	1	04/30/2015 00:20	WG785102
1,1-Dichloroethane	U		0.260	1.00	1	04/30/2015 00:20	WG785102
1,2-Dichloroethane	U		0.360	1.00	1	04/30/2015 00:20	WG785102
1,1-Dichloroethene	U		0.400	1.00	1	04/30/2015 00:20	WG785102
cis-1,2-Dichloroethene	U		0.260	1.00	1	04/30/2015 00:20	WG785102
trans-1,2-Dichloroethene	U		0.400	1.00	1	04/30/2015 00:20	WG785102
1,2-Dichloropropane	U		0.310	1.00	1	04/30/2015 00:20	WG785102
cis-1,3-Dichloropropene	U		0.420	1.00	1	04/30/2015 00:20	WG785102
trans-1,3-Dichloropropene	U		0.420	1.00	1	04/30/2015 00:20	WG785102
Ethylbenzene	U		0.380	1.00	1	04/30/2015 00:20	WG785102
Isopropylbenzene	U		0.330	1.00	1	04/30/2015 00:20	WG785102
p-Isopropyltoluene	U		0.350	1.00	1	04/30/2015 00:20	WG785102
2-Butanone (MEK)	U		3.90	10.0	1	04/30/2015 00:20	WG785102
2-Hexanone	U		3.80	10.0	1	04/30/2015 00:20	WG785102
Methylene Chloride	U		1.00	5.00	1	04/30/2015 00:20	WG785102
4-Methyl-2-pentanone (MIBK)	U		2.10	10.0	1	04/30/2015 00:20	WG785102
Methyl tert-butyl ether	0.510	U	0.370	1.00	1	04/30/2015 00:20	WG785102
Naphthalene	U		1.00	5.00	1	04/30/2015 00:20	WG785102
n-Propylbenzene	U		0.350	1.00	1	04/30/2015 00:20	WG785102
Styrene	U		0.310	1.00	1	04/30/2015 00:20	WG785102
1,1,1,2-Tetrachloroethane	U		0.380	1.00	1	04/30/2015 00:20	WG785102
1,1,2,2-Tetrachloroethane	U		0.130	1.00	1	04/30/2015 00:20	WG785102
Tetrachloroethene	U		0.370	1.00	1	04/30/2015 00:20	WG785102
Toluene	U		0.780	5.00	1	04/30/2015 00:20	WG785102
1,1,1-Trichloroethane	U		0.319	1.00	1	04/30/2015 00:20	WG785102
1,1,2-Trichloroethane	U		0.380	1.00	1	04/30/2015 00:20	WG785102
Trichloroethene	U		0.400	1.00	1	04/30/2015 00:20	WG785102
1,2,4-Trimethylbenzene	U		0.370	1.00	1	04/30/2015 00:20	WG785102
1,3,5-Trimethylbenzene	U		0.390	1.00	1	04/30/2015 00:20	WG785102
Vinyl chloride	U		0.260	1.00	1	04/30/2015 00:20	WG785102
o-Xylene	U		0.340	1.00	1	04/30/2015 00:20	WG785102
m&p-Xylene	U		0.720	1.00	1	04/30/2015 00:20	WG785102
Xylenes, Total	U		1.10	3.00	1	04/30/2015 00:20	WG785102
(S) Toluene-d8	105			88.5-111		04/30/2015 00:20	WG785102
(S) Dibromofluoromethane	111			78.3-121		04/30/2015 00:20	WG785102
(S) 4-Bromofluorobenzene	105			71.0-126		04/30/2015 00:20	WG785102

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

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	960		25.0	100	1	04/24/2015 01:05	WG783366
(S) o-Terphenyl	110			50.0-150		04/24/2015 01:05	WG783366



Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Dissolved Solids	3740000		2800	10000	1	04/27/2015 08:56	WG784339

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Nitrate-Nitrite	1540		20.0	100	1	05/01/2015 02:23	WG785026

Wet Chemistry by Method 9012B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Cyanide	U		1.80	5.00	1	04/30/2015 13:02	WG784739

Wet Chemistry by Method 9056MOD

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	158000		5200	100000	100	04/28/2015 09:41	WG784717
Fluoride	1880		9.90	100	1	04/27/2015 17:19	WG784717
Sulfate	832000		7700	500000	100	04/28/2015 09:41	WG784717

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Mercury	U		0.0490	0.200	1	04/21/2015 12:17	WG783354

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic	3.18		0.250	2.00	1	04/25/2015 02:07	WG783157
Arsenic,Dissolved	3.97		0.250	2.00	1	04/29/2015 01:16	WG783446
Barium	9.80		0.360	5.00	1	04/25/2015 02:07	WG783157
Barium,Dissolved	9.09		0.360	5.00	1	04/29/2015 01:16	WG783446
Calcium	168000		46.0	1000	1	04/25/2015 02:07	WG783157
Chromium	U		0.540	2.00	1	04/25/2015 02:07	WG783157
Chromium,Dissolved	U		0.540	2.00	1	04/29/2015 01:16	WG783446
Iron	25.6	J	15.0	100	1	04/30/2015 01:10	WG785470
Iron,Dissolved	U		15.0	100	1	04/29/2015 01:16	WG783446
Lead	U		0.240	2.00	1	04/25/2015 02:07	WG783157
Lead,Dissolved	U		0.240	2.00	1	04/29/2015 10:17	WG783446
Manganese	47.8		0.250	5.00	1	04/25/2015 02:07	WG783157
Manganese,Dissolved	34.1		0.250	5.00	1	04/29/2015 01:16	WG783446
Nickel	6.25		0.350	2.00	1	04/25/2015 02:07	WG783157
Nickel,Dissolved	6.35		0.350	2.00	1	04/29/2015 01:16	WG783446
Potassium	252	J	37.0	1000	1	04/25/2015 02:07	WG783157
Selenium	2.78		0.380	2.00	1	04/25/2015 02:07	WG783157
Selenium,Dissolved	1.24	J	0.380	2.00	1	04/29/2015 01:16	WG783446
Sodium	267000		110	1000	1	04/25/2015 02:07	WG783157
Vanadium	25.3		0.180	5.00	1	04/25/2015 02:07	WG783157
Vanadium,Dissolved	26.8		0.180	5.00	1	04/29/2015 01:16	WG783446

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TPH (GC/FID) Low Fraction	U	J3	31.0	100	1	04/22/2015 13:32	WG783227



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
(S) a,a,a-Trifluorotoluene(FID)	92.4			62.0-128		04/22/2015 13:32	WG783227

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		10.0	50.0	1	04/30/2015 00:39	WG785102
Benzene	U		0.330	1.00	1	04/30/2015 00:39	WG785102
Bromodichloromethane	U		0.380	1.00	1	04/30/2015 00:39	WG785102
Bromoform	U		0.470	1.00	1	04/30/2015 00:39	WG785102
Bromomethane	U		0.870	5.00	1	04/30/2015 00:39	WG785102
n-Butylbenzene	U		0.360	1.00	1	04/30/2015 00:39	WG785102
sec-Butylbenzene	U		0.360	1.00	1	04/30/2015 00:39	WG785102
Carbon disulfide	U		0.280	1.00	1	04/30/2015 00:39	WG785102
Carbon tetrachloride	U		0.380	1.00	1	04/30/2015 00:39	WG785102
Chlorobenzene	U		0.350	1.00	1	04/30/2015 00:39	WG785102
Chlorodibromomethane	U		0.330	1.00	1	04/30/2015 00:39	WG785102
Chloroethane	U		0.450	5.00	1	04/30/2015 00:39	WG785102
Chloroform	U		0.320	5.00	1	04/30/2015 00:39	WG785102
Chloromethane	U		0.280	2.50	1	04/30/2015 00:39	WG785102
1,2-Dibromoethane	U		0.380	1.00	1	04/30/2015 00:39	WG785102
1,1-Dichloroethane	U		0.260	1.00	1	04/30/2015 00:39	WG785102
1,2-Dichloroethane	U		0.360	1.00	1	04/30/2015 00:39	WG785102
1,1-Dichloroethene	U		0.400	1.00	1	04/30/2015 00:39	WG785102
cis-1,2-Dichloroethene	U		0.260	1.00	1	04/30/2015 00:39	WG785102
trans-1,2-Dichloroethene	U		0.400	1.00	1	04/30/2015 00:39	WG785102
1,2-Dichloropropane	U		0.310	1.00	1	04/30/2015 00:39	WG785102
cis-1,3-Dichloropropene	U		0.420	1.00	1	04/30/2015 00:39	WG785102
trans-1,3-Dichloropropene	U		0.420	1.00	1	04/30/2015 00:39	WG785102
Ethylbenzene	U		0.380	1.00	1	04/30/2015 00:39	WG785102
Isopropylbenzene	U		0.330	1.00	1	04/30/2015 00:39	WG785102
p-Isopropyltoluene	U		0.350	1.00	1	04/30/2015 00:39	WG785102
2-Butanone (MEK)	U		3.90	10.0	1	04/30/2015 00:39	WG785102
2-Hexanone	U		3.80	10.0	1	04/30/2015 00:39	WG785102
Methylene Chloride	U		1.00	5.00	1	04/30/2015 00:39	WG785102
4-Methyl-2-pentanone (MIBK)	U		2.10	10.0	1	04/30/2015 00:39	WG785102
Methyl tert-butyl ether	U		0.370	1.00	1	04/30/2015 00:39	WG785102
Naphthalene	U		1.00	5.00	1	04/30/2015 00:39	WG785102
n-Propylbenzene	U		0.350	1.00	1	04/30/2015 00:39	WG785102
Styrene	U		0.310	1.00	1	04/30/2015 00:39	WG785102
1,1,1,2-Tetrachloroethane	U		0.380	1.00	1	04/30/2015 00:39	WG785102
1,1,2,2-Tetrachloroethane	U		0.130	1.00	1	04/30/2015 00:39	WG785102
Tetrachloroethene	U		0.370	1.00	1	04/30/2015 00:39	WG785102
Toluene	U		0.780	5.00	1	04/30/2015 00:39	WG785102
1,1,1-Trichloroethane	U		0.319	1.00	1	04/30/2015 00:39	WG785102
1,1,2-Trichloroethane	U		0.380	1.00	1	04/30/2015 00:39	WG785102
Trichloroethene	U		0.400	1.00	1	04/30/2015 00:39	WG785102
1,2,4-Trimethylbenzene	U		0.370	1.00	1	04/30/2015 00:39	WG785102
1,3,5-Trimethylbenzene	U		0.390	1.00	1	04/30/2015 00:39	WG785102
Vinyl chloride	U		0.260	1.00	1	04/30/2015 00:39	WG785102
o-Xylene	U		0.340	1.00	1	04/30/2015 00:39	WG785102
m&p-Xylene	U		0.720	1.00	1	04/30/2015 00:39	WG785102
Xylenes, Total	U		1.10	3.00	1	04/30/2015 00:39	WG785102
(S) Toluene-d8	108			88.5-111		04/30/2015 00:39	WG785102
(S) Dibromofluoromethane	104			78.3-121		04/30/2015 00:39	WG785102
(S) 4-Bromofluorobenzene	107			71.0-126		04/30/2015 00:39	WG785102

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	370		25.0	100	1	04/24/2015 01:24	WG783366
(S) o-Terphenyl	113			50.0-150		04/24/2015 01:24	WG783366

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc



Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Dissolved Solids	2910000		2800	10000	1	04/27/2015 08:56	WG784339

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Nitrate-Nitrite	U		390	2000	20	05/01/2015 02:24	WG785026

Wet Chemistry by Method 9056MOD

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	261000		5200	100000	100	04/28/2015 09:56	WG784717
Fluoride	2040		9.90	100	1	04/27/2015 17:34	WG784717
Sulfate	931000		7700	500000	100	04/28/2015 09:56	WG784717

Metals (ICPMS) by Method 6020

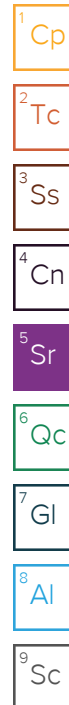
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic	5.54		0.250	2.00	1	04/25/2015 02:09	WG783157
Arsenic,Dissolved	3.69		0.250	2.00	1	04/29/2015 01:18	WG783446
Barium	101		0.360	5.00	1	04/25/2015 02:09	WG783157
Barium,Dissolved	31.3		0.360	5.00	1	04/29/2015 01:18	WG783446
Calcium	192000		46.0	1000	1	04/25/2015 02:09	WG783157
Chromium	U		0.540	2.00	1	04/25/2015 02:09	WG783157
Chromium,Dissolved	U		0.540	2.00	1	04/29/2015 01:18	WG783446
Iron	154		15.0	100	1	04/30/2015 01:13	WG785470
Iron,Dissolved	155		15.0	100	1	04/29/2015 01:18	WG783446
Lead	U		0.240	2.00	1	04/25/2015 02:09	WG783157
Lead,Dissolved	U		0.240	2.00	1	04/29/2015 10:20	WG783446
Manganese	140		0.250	5.00	1	04/25/2015 02:09	WG783157
Manganese,Dissolved	162		0.250	5.00	1	04/29/2015 01:18	WG783446
Potassium	929	J	37.0	1000	1	04/25/2015 02:09	WG783157
Selenium	1.76	J	0.380	2.00	1	04/25/2015 02:09	WG783157
Selenium,Dissolved	2.35		0.380	2.00	1	04/29/2015 01:18	WG783446
Sodium	406000		110	1000	1	04/25/2015 02:09	WG783157

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TPH (GC/FID) Low Fraction	2360		31.0	100	1	04/23/2015 15:27	WG784069
(S) a,a,a-Trifluorotoluene(FID)	95.8			62.0-128		04/23/2015 15:27	WG784069

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		100	500	10	04/30/2015 00:58	WG785102
Benzene	621		3.30	10.0	10	04/30/2015 00:58	WG785102
Bromodichloromethane	U		3.80	10.0	10	04/30/2015 00:58	WG785102
Bromoform	U		4.70	10.0	10	04/30/2015 00:58	WG785102
Bromomethane	U		8.70	50.0	10	04/30/2015 00:58	WG785102
n-Butylbenzene	U		3.60	10.0	10	04/30/2015 00:58	WG785102
sec-Butylbenzene	4.53	J	3.60	10.0	10	04/30/2015 00:58	WG785102
Carbon disulfide	U		2.80	10.0	10	04/30/2015 00:58	WG785102
Carbon tetrachloride	U		3.80	10.0	10	04/30/2015 00:58	WG785102
Chlorobenzene	U		3.50	10.0	10	04/30/2015 00:58	WG785102





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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chlorodibromomethane	U		3.30	10.0	10	04/30/2015 00:58	WG785102
Chloroethane	U		4.50	50.0	10	04/30/2015 00:58	WG785102
Chloroform	U		3.20	50.0	10	04/30/2015 00:58	WG785102
Chloromethane	U		2.80	25.0	10	04/30/2015 00:58	WG785102
1,2-Dibromoethane	U		3.80	10.0	10	04/30/2015 00:58	WG785102
1,1-Dichloroethane	U		2.60	10.0	10	04/30/2015 00:58	WG785102
1,2-Dichloroethane	U		3.60	10.0	10	04/30/2015 00:58	WG785102
1,1-Dichloroethene	U		4.00	10.0	10	04/30/2015 00:58	WG785102
cis-1,2-Dichloroethene	U		2.60	10.0	10	04/30/2015 00:58	WG785102
trans-1,2-Dichloroethene	U		4.00	10.0	10	04/30/2015 00:58	WG785102
1,2-Dichloropropane	U		3.10	10.0	10	04/30/2015 00:58	WG785102
cis-1,3-Dichloropropene	U		4.20	10.0	10	04/30/2015 00:58	WG785102
trans-1,3-Dichloropropene	U		4.20	10.0	10	04/30/2015 00:58	WG785102
Ethylbenzene	19.0		3.80	10.0	10	04/30/2015 00:58	WG785102
Isopropylbenzene	35.1		3.30	10.0	10	04/30/2015 00:58	WG785102
p-Isopropyltoluene	U		3.50	10.0	10	04/30/2015 00:58	WG785102
2-Butanone (MEK)	U		39.0	100	10	04/30/2015 00:58	WG785102
2-Hexanone	U		38.0	100	10	04/30/2015 00:58	WG785102
Methylene Chloride	U		10.0	50.0	10	04/30/2015 00:58	WG785102
4-Methyl-2-pentanone (MIBK)	U		21.0	100	10	04/30/2015 00:58	WG785102
Methyl tert-butyl ether	U		3.70	10.0	10	04/30/2015 00:58	WG785102
Naphthalene	U		10.0	50.0	10	04/30/2015 00:58	WG785102
n-Propylbenzene	29.7		3.50	10.0	10	04/30/2015 00:58	WG785102
Styrene	U		3.10	10.0	10	04/30/2015 00:58	WG785102
1,1,1,2-Tetrachloroethane	U		3.80	10.0	10	04/30/2015 00:58	WG785102
1,1,2,2-Tetrachloroethane	U		1.30	10.0	10	04/30/2015 00:58	WG785102
Tetrachloroethene	U		3.70	10.0	10	04/30/2015 00:58	WG785102
Toluene	11.7	U	7.80	50.0	10	04/30/2015 00:58	WG785102
1,1,1-Trichloroethane	U		3.19	10.0	10	04/30/2015 00:58	WG785102
1,1,2-Trichloroethane	U		3.80	10.0	10	04/30/2015 00:58	WG785102
Trichloroethene	U		4.00	10.0	10	04/30/2015 00:58	WG785102
1,2,4-Trimethylbenzene	U		3.70	10.0	10	04/30/2015 00:58	WG785102
1,3,5-Trimethylbenzene	U		3.90	10.0	10	04/30/2015 00:58	WG785102
Vinyl chloride	U		2.60	10.0	10	04/30/2015 00:58	WG785102
o-Xylene	U		3.40	10.0	10	04/30/2015 00:58	WG785102
m&p-Xylene	17.6		7.20	10.0	10	04/30/2015 00:58	WG785102
Xylenes, Total	17.6	U	11.0	30.0	10	04/30/2015 00:58	WG785102
(S) Toluene-d8	106			88.5-111		04/30/2015 00:58	WG785102
(S) Dibromofluoromethane	104			78.3-121		04/30/2015 00:58	WG785102
(S) 4-Bromofluorobenzene	101			71.0-126		04/30/2015 00:58	WG785102

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

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	8100		25.0	100	1	04/24/2015 01:42	WG783366
(S) o-Terphenyl	115			50.0-150		04/24/2015 01:42	WG783366



Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Dissolved Solids	1420000		2800	10000	1	04/27/2015 08:57	WG784339

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Nitrate-Nitrite	U		20.0	100	1	05/01/2015 03:44	WG785028

Wet Chemistry by Method 9056MOD

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	93800		52.0	1000	1	04/27/2015 17:49	WG784717
Fluoride	1640		9.90	100	1	04/27/2015 17:49	WG784717
Sulfate	283000		770	50000	10	04/28/2015 10:14	WG784717

Metals (ICPMS) by Method 6020

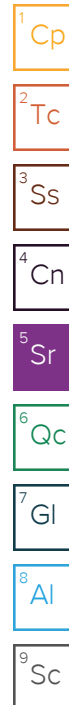
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic	9.24		0.250	2.00	1	04/25/2015 02:12	WG783157
Arsenic,Dissolved	8.92		0.250	2.00	1	04/29/2015 01:21	WG783446
Barium	61.7		0.360	5.00	1	04/25/2015 02:12	WG783157
Barium,Dissolved	57.3		0.360	5.00	1	04/29/2015 01:21	WG783446
Calcium	107000		46.0	1000	1	04/25/2015 02:12	WG783157
Chromium	0.649	U	0.540	2.00	1	04/25/2015 02:12	WG783157
Chromium,Dissolved	U		0.540	2.00	1	04/29/2015 01:21	WG783446
Iron	379		15.0	100	1	04/29/2015 22:28	WG785470
Iron,Dissolved	117		15.0	100	1	04/29/2015 01:21	WG783446
Lead	0.690	U	0.240	2.00	1	04/25/2015 02:12	WG783157
Lead,Dissolved	U		0.240	2.00	1	04/29/2015 10:22	WG783446
Manganese	612		0.250	5.00	1	04/25/2015 02:12	WG783157
Manganese,Dissolved	667		0.250	5.00	1	04/29/2015 01:21	WG783446
Potassium	244	U	37.0	1000	1	04/25/2015 02:12	WG783157
Selenium	1.08	U	0.380	2.00	1	04/25/2015 02:12	WG783157
Selenium,Dissolved	U		0.380	2.00	1	04/29/2015 01:21	WG783446
Sodium	244000		110	1000	1	04/25/2015 02:12	WG783157

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TPH (GC/FID) Low Fraction	1120		31.0	100	1	04/23/2015 15:49	WG784069
(S) a,a,a-Trifluorotoluene(FID)	94.2			62.0-128		04/23/2015 15:49	WG784069

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		10.0	50.0	1	04/24/2015 12:35	WG783748
Benzene	132		0.330	1.00	1	04/24/2015 12:35	WG783748
Bromodichloromethane	U		0.380	1.00	1	04/24/2015 12:35	WG783748
Bromoform	U		0.470	1.00	1	04/24/2015 12:35	WG783748
Bromomethane	U		0.870	5.00	1	04/24/2015 12:35	WG783748
n-Butylbenzene	2.31		0.360	1.00	1	04/24/2015 12:35	WG783748
sec-Butylbenzene	6.74		0.360	1.00	1	04/24/2015 12:35	WG783748
Carbon disulfide	1.29		0.280	1.00	1	04/24/2015 12:35	WG783748
Carbon tetrachloride	U		0.380	1.00	1	04/24/2015 12:35	WG783748
Chlorobenzene	U		0.350	1.00	1	04/24/2015 12:35	WG783748





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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chlorodibromomethane	U		0.330	1.00	1	04/24/2015 12:35	WG783748
Chloroethane	U		0.450	5.00	1	04/24/2015 12:35	WG783748
Chloroform	U		0.320	5.00	1	04/24/2015 12:35	WG783748
Chloromethane	U		0.280	2.50	1	04/24/2015 12:35	WG783748
1,2-Dibromoethane	U		0.380	1.00	1	04/24/2015 12:35	WG783748
1,1-Dichloroethane	U		0.260	1.00	1	04/24/2015 12:35	WG783748
1,2-Dichloroethane	U		0.360	1.00	1	04/24/2015 12:35	WG783748
1,1-Dichloroethene	U		0.400	1.00	1	04/24/2015 12:35	WG783748
cis-1,2-Dichloroethene	U		0.260	1.00	1	04/24/2015 12:35	WG783748
trans-1,2-Dichloroethene	U		0.400	1.00	1	04/24/2015 12:35	WG783748
1,2-Dichloropropane	U		0.310	1.00	1	04/24/2015 12:35	WG783748
cis-1,3-Dichloropropene	U		0.420	1.00	1	04/24/2015 12:35	WG783748
trans-1,3-Dichloropropene	U		0.420	1.00	1	04/24/2015 12:35	WG783748
Ethylbenzene	6.09		0.380	1.00	1	04/24/2015 12:35	WG783748
Isopropylbenzene	33.1		0.330	1.00	1	04/24/2015 12:35	WG783748
p-Isopropyltoluene	0.563	L	0.350	1.00	1	04/24/2015 12:35	WG783748
2-Butanone (MEK)	U		3.90	10.0	1	04/24/2015 12:35	WG783748
2-Hexanone	U		3.80	10.0	1	04/24/2015 12:35	WG783748
Methylene Chloride	U		1.00	5.00	1	04/24/2015 12:35	WG783748
4-Methyl-2-pentanone (MIBK)	U		2.10	10.0	1	04/24/2015 12:35	WG783748
Methyl tert-butyl ether	U		0.370	1.00	1	04/24/2015 12:35	WG783748
Naphthalene	4.82	L	1.00	5.00	1	04/24/2015 12:35	WG783748
n-Propylbenzene	27.9		0.350	1.00	1	04/24/2015 12:35	WG783748
Styrene	U		0.310	1.00	1	04/24/2015 12:35	WG783748
1,1,1,2-Tetrachloroethane	U		0.380	1.00	1	04/24/2015 12:35	WG783748
1,1,2,2-Tetrachloroethane	U		0.130	1.00	1	04/24/2015 12:35	WG783748
Tetrachloroethene	U		0.370	1.00	1	04/24/2015 12:35	WG783748
Toluene	3.52	L	0.780	5.00	1	04/24/2015 12:35	WG783748
1,1,1-Trichloroethane	U		0.319	1.00	1	04/24/2015 12:35	WG783748
1,1,2-Trichloroethane	U		0.380	1.00	1	04/24/2015 12:35	WG783748
Trichloroethene	U		0.400	1.00	1	04/24/2015 12:35	WG783748
1,2,4-Trimethylbenzene	5.48		0.370	1.00	1	04/24/2015 12:35	WG783748
1,3,5-Trimethylbenzene	1.66		0.390	1.00	1	04/24/2015 12:35	WG783748
Vinyl chloride	U		0.260	1.00	1	04/24/2015 12:35	WG783748
o-Xylene	U		0.340	1.00	1	04/24/2015 12:35	WG783748
m&p-Xylene	6.24		0.720	1.00	1	04/24/2015 12:35	WG783748
Xylenes, Total	6.24		1.10	3.00	1	04/24/2015 12:35	WG783748
(S) Toluene-d8	109			88.5-111		04/24/2015 12:35	WG783748
(S) Dibromofluoromethane	105			78.3-121		04/24/2015 12:35	WG783748
(S) 4-Bromofluorobenzene	95.4			71.0-126		04/24/2015 12:35	WG783748

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	2200		25.0	100	1	04/24/2015 02:01	WG783366
(S) o-Terphenyl	103			50.0-150		04/24/2015 02:01	WG783366



Gravimetric Analysis by Method 2540 C-2011

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Dissolved Solids	1170000		2800	10000	1	04/27/2015 08:58	WG784339

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 353.2

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	4620		20.0	100	1	05/01/2015 03:45	WG785028

Wet Chemistry by Method 9012B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Cyanide	U		1.80	5.00	1	04/30/2015 13:03	WG784739

Wet Chemistry by Method 9056MOD

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chloride	72200		52.0	1000	1	04/27/2015 18:04	WG784717
Fluoride	1650		9.90	100	1	04/27/2015 18:04	WG784717
Sulfate	1080000		7700	500000	100	04/28/2015 10:29	WG784717

Mercury by Method 7470A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Mercury	U		0.0490	0.200	1	04/21/2015 12:19	WG783354

Metals (ICPMS) by Method 6020

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Arsenic	2.05		0.250	2.00	1	04/25/2015 02:20	WG783157
Arsenic,Dissolved	2.05		0.250	2.00	1	04/29/2015 01:24	WG783446
Barium	15.3		0.360	5.00	1	04/25/2015 02:20	WG783157
Barium,Dissolved	15.0		0.360	5.00	1	04/29/2015 01:24	WG783446
Calcium	337000		46.0	1000	1	04/25/2015 02:20	WG783157
Chromium	U		0.540	2.00	1	04/25/2015 02:20	WG783157
Chromium,Dissolved	U		0.540	2.00	1	04/29/2015 01:24	WG783446
Iron	U		15.0	100	1	04/25/2015 02:20	WG783157
Iron,Dissolved	U		15.0	100	1	04/29/2015 01:24	WG783446
Lead	U		0.240	2.00	1	04/27/2015 16:45	WG783157
Lead,Dissolved	U		0.240	2.00	1	04/29/2015 10:25	WG783446
Manganese	11.0		0.250	5.00	1	04/25/2015 02:20	WG783157
Manganese,Dissolved	9.34		0.250	5.00	1	04/29/2015 01:24	WG783446
Nickel	5.27		0.350	2.00	1	04/25/2015 02:20	WG783157
Nickel,Dissolved	5.43		0.350	2.00	1	04/29/2015 01:24	WG783446
Potassium	1730		37.0	1000	1	04/25/2015 02:20	WG783157
Selenium	3.35		0.380	2.00	1	04/25/2015 02:20	WG783157
Selenium,Dissolved	3.73		0.380	2.00	1	04/29/2015 01:24	WG783446
Sodium	82600		110	1000	1	04/25/2015 02:20	WG783157
Vanadium	11.5		0.180	5.00	1	04/25/2015 02:20	WG783157
Vanadium,Dissolved	11.6		0.180	5.00	1	04/29/2015 01:24	WG783446

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		31.0	100	1	04/23/2015 16:11	WG784069



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
(S) a,a,a-Trifluorotoluene(FID)	92.3			62.0-128		04/23/2015 16:11	WG784069

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		10.0	50.0	1	04/24/2015 12:54	WG783748
Benzene	U		0.330	1.00	1	04/24/2015 12:54	WG783748
Bromodichloromethane	U		0.380	1.00	1	04/24/2015 12:54	WG783748
Bromoform	U		0.470	1.00	1	04/24/2015 12:54	WG783748
Bromomethane	U		0.870	5.00	1	04/24/2015 12:54	WG783748
n-Butylbenzene	U		0.360	1.00	1	04/24/2015 12:54	WG783748
sec-Butylbenzene	U		0.360	1.00	1	04/24/2015 12:54	WG783748
Carbon disulfide	0.348	U	0.280	1.00	1	04/24/2015 12:54	WG783748
Carbon tetrachloride	U		0.380	1.00	1	04/24/2015 12:54	WG783748
Chlorobenzene	U		0.350	1.00	1	04/24/2015 12:54	WG783748
Chlorodibromomethane	U		0.330	1.00	1	04/24/2015 12:54	WG783748
Chloroethane	U		0.450	5.00	1	04/24/2015 12:54	WG783748
Chloroform	U		0.320	5.00	1	04/24/2015 12:54	WG783748
Chloromethane	U		0.280	2.50	1	04/24/2015 12:54	WG783748
1,2-Dibromoethane	U		0.380	1.00	1	04/24/2015 12:54	WG783748
1,1-Dichloroethane	U		0.260	1.00	1	04/24/2015 12:54	WG783748
1,2-Dichloroethane	U		0.360	1.00	1	04/24/2015 12:54	WG783748
1,1-Dichloroethene	U		0.400	1.00	1	04/24/2015 12:54	WG783748
cis-1,2-Dichloroethene	U		0.260	1.00	1	04/24/2015 12:54	WG783748
trans-1,2-Dichloroethene	U		0.400	1.00	1	04/24/2015 12:54	WG783748
1,2-Dichloropropane	U		0.310	1.00	1	04/24/2015 12:54	WG783748
cis-1,3-Dichloropropene	U		0.420	1.00	1	04/24/2015 12:54	WG783748
trans-1,3-Dichloropropene	U		0.420	1.00	1	04/24/2015 12:54	WG783748
Ethylbenzene	U		0.380	1.00	1	04/24/2015 12:54	WG783748
Isopropylbenzene	U		0.330	1.00	1	04/24/2015 12:54	WG783748
p-Isopropyltoluene	U		0.350	1.00	1	04/24/2015 12:54	WG783748
2-Butanone (MEK)	U		3.90	10.0	1	04/24/2015 12:54	WG783748
2-Hexanone	U		3.80	10.0	1	04/24/2015 12:54	WG783748
Methylene Chloride	U		1.00	5.00	1	04/24/2015 12:54	WG783748
4-Methyl-2-pentanone (MIBK)	U		2.10	10.0	1	04/24/2015 12:54	WG783748
Methyl tert-butyl ether	U		0.370	1.00	1	04/24/2015 12:54	WG783748
Naphthalene	U		1.00	5.00	1	04/24/2015 12:54	WG783748
n-Propylbenzene	U		0.350	1.00	1	04/24/2015 12:54	WG783748
Styrene	U		0.310	1.00	1	04/24/2015 12:54	WG783748
1,1,1,2-Tetrachloroethane	U		0.380	1.00	1	04/24/2015 12:54	WG783748
1,1,2,2-Tetrachloroethane	U		0.130	1.00	1	04/24/2015 12:54	WG783748
Tetrachloroethene	U		0.370	1.00	1	04/24/2015 12:54	WG783748
Toluene	U		0.780	5.00	1	04/24/2015 12:54	WG783748
1,1,1-Trichloroethane	U		0.319	1.00	1	04/24/2015 12:54	WG783748
1,1,2-Trichloroethane	U		0.380	1.00	1	04/24/2015 12:54	WG783748
Trichloroethene	U		0.400	1.00	1	04/24/2015 12:54	WG783748
1,2,4-Trimethylbenzene	U		0.370	1.00	1	04/24/2015 12:54	WG783748
1,3,5-Trimethylbenzene	U		0.390	1.00	1	04/24/2015 12:54	WG783748
Vinyl chloride	U		0.260	1.00	1	04/24/2015 12:54	WG783748
o-Xylene	U		0.340	1.00	1	04/24/2015 12:54	WG783748
m&p-Xylene	U		0.720	1.00	1	04/24/2015 12:54	WG783748
Xylenes, Total	U		1.10	3.00	1	04/24/2015 12:54	WG783748
(S) Toluene-d8	106			88.5-111		04/24/2015 12:54	WG783748
(S) Dibromofluoromethane	104			78.3-121		04/24/2015 12:54	WG783748
(S) 4-Bromofluorobenzene	99.7			71.0-126		04/24/2015 12:54	WG783748

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	70.0	J	25.0	100	1	04/24/2015 02:20	WG783366
(S) o-Terphenyl	112			50.0-150		04/24/2015 02:20	WG783366

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



Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Dissolved Solids	1420000		2800	10000	1	04/27/2015 08:57	WG784339

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Nitrate-Nitrite	1030		20.0	100	1	05/01/2015 03:47	WG785028

Wet Chemistry by Method 9012B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Cyanide	U		1.80	5.00	1	04/30/2015 13:04	WG784739

Wet Chemistry by Method 9056MOD

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	27500		52.0	1000	1	04/27/2015 18:18	WG784717
Fluoride	716		9.90	100	1	04/27/2015 18:18	WG784717
Sulfate	1450000		1500	100000	20	04/28/2015 10:43	WG784717

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Mercury	U		0.0490	0.200	1	04/21/2015 12:27	WG783354

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic	2.58		0.250	2.00	1	04/25/2015 02:22	WG783157
Arsenic,Dissolved	1.57	U	0.250	2.00	1	04/29/2015 01:26	WG783446
Barium	59.5		0.360	5.00	1	04/25/2015 02:22	WG783157
Barium,Dissolved	19.3		0.360	5.00	1	04/29/2015 01:26	WG783446
Calcium	420000		46.0	1000	1	04/25/2015 02:22	WG783157
Chromium	3.68		0.540	2.00	1	04/25/2015 02:22	WG783157
Chromium,Dissolved	U		0.540	2.00	1	04/29/2015 01:26	WG783446
Iron	2050		15.0	100	1	04/30/2015 01:15	WG785470
Iron,Dissolved	53.4	U	15.0	100	1	04/29/2015 01:26	WG783446
Lead	0.626	U	0.240	2.00	1	04/27/2015 16:50	WG783157
Lead,Dissolved	U		0.240	2.00	1	04/29/2015 10:27	WG783446
Manganese	72.5		0.250	5.00	1	04/25/2015 02:22	WG783157
Manganese,Dissolved	4.92	U	0.250	5.00	1	04/29/2015 01:26	WG783446
Nickel	4.33		0.350	2.00	1	04/25/2015 02:22	WG783157
Nickel,Dissolved	1.14	U	0.350	2.00	1	04/29/2015 01:26	WG783446
Potassium	2360		37.0	1000	1	04/25/2015 02:22	WG783157
Selenium	3.95		0.380	2.00	1	04/25/2015 02:22	WG783157
Selenium,Dissolved	3.75		0.380	2.00	1	04/29/2015 01:26	WG783446
Sodium	59100		110	1000	1	04/25/2015 02:22	WG783157
Vanadium	13.5		0.180	5.00	1	04/25/2015 02:22	WG783157
Vanadium,Dissolved	9.34		0.180	5.00	1	04/29/2015 01:26	WG783446

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TPH (GC/FID) Low Fraction	U		31.0	100	1	04/23/2015 19:32	WG784069

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
(S) a,a,a-Trifluorotoluene(FID)	92.6			62.0-128		04/23/2015 19:32	WG784069

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		10.0	50.0	1	04/24/2015 13:14	WG783748
Benzene	U		0.330	1.00	1	04/24/2015 13:14	WG783748
Bromodichloromethane	U		0.380	1.00	1	04/24/2015 13:14	WG783748
Bromoform	U		0.470	1.00	1	04/24/2015 13:14	WG783748
Bromomethane	U		0.870	5.00	1	04/24/2015 13:14	WG783748
n-Butylbenzene	U		0.360	1.00	1	04/24/2015 13:14	WG783748
sec-Butylbenzene	U		0.360	1.00	1	04/24/2015 13:14	WG783748
Carbon disulfide	U		0.280	1.00	1	04/24/2015 13:14	WG783748
Carbon tetrachloride	U		0.380	1.00	1	04/24/2015 13:14	WG783748
Chlorobenzene	U		0.350	1.00	1	04/24/2015 13:14	WG783748
Chlorodibromomethane	U		0.330	1.00	1	04/24/2015 13:14	WG783748
Chloroethane	U		0.450	5.00	1	04/24/2015 13:14	WG783748
Chloroform	U		0.320	5.00	1	04/24/2015 13:14	WG783748
Chloromethane	U		0.280	2.50	1	04/24/2015 13:14	WG783748
1,2-Dibromoethane	U		0.380	1.00	1	04/24/2015 13:14	WG783748
1,1-Dichloroethane	U		0.260	1.00	1	04/24/2015 13:14	WG783748
1,2-Dichloroethane	U		0.360	1.00	1	04/24/2015 13:14	WG783748
1,1-Dichloroethene	U		0.400	1.00	1	04/24/2015 13:14	WG783748
cis-1,2-Dichloroethene	U		0.260	1.00	1	04/24/2015 13:14	WG783748
trans-1,2-Dichloroethene	U		0.400	1.00	1	04/24/2015 13:14	WG783748
1,2-Dichloropropane	U		0.310	1.00	1	04/24/2015 13:14	WG783748
cis-1,3-Dichloropropene	U		0.420	1.00	1	04/24/2015 13:14	WG783748
trans-1,3-Dichloropropene	U		0.420	1.00	1	04/24/2015 13:14	WG783748
Ethylbenzene	U		0.380	1.00	1	04/24/2015 13:14	WG783748
Isopropylbenzene	U		0.330	1.00	1	04/24/2015 13:14	WG783748
p-Isopropyltoluene	U		0.350	1.00	1	04/24/2015 13:14	WG783748
2-Butanone (MEK)	U		3.90	10.0	1	04/24/2015 13:14	WG783748
2-Hexanone	U		3.80	10.0	1	04/24/2015 13:14	WG783748
Methylene Chloride	U		1.00	5.00	1	04/24/2015 13:14	WG783748
4-Methyl-2-pentanone (MIBK)	U		2.10	10.0	1	04/24/2015 13:14	WG783748
Methyl tert-butyl ether	U		0.370	1.00	1	04/24/2015 13:14	WG783748
Naphthalene	U		1.00	5.00	1	04/24/2015 13:14	WG783748
n-Propylbenzene	U		0.350	1.00	1	04/24/2015 13:14	WG783748
Styrene	U		0.310	1.00	1	04/24/2015 13:14	WG783748
1,1,1,2-Tetrachloroethane	U		0.380	1.00	1	04/24/2015 13:14	WG783748
1,1,2,2-Tetrachloroethane	U		0.130	1.00	1	04/24/2015 13:14	WG783748
Tetrachloroethene	U		0.370	1.00	1	04/24/2015 13:14	WG783748
Toluene	U		0.780	5.00	1	04/24/2015 13:14	WG783748
1,1,1-Trichloroethane	U		0.319	1.00	1	04/24/2015 13:14	WG783748
1,1,2-Trichloroethane	U		0.380	1.00	1	04/24/2015 13:14	WG783748
Trichloroethene	U		0.400	1.00	1	04/24/2015 13:14	WG783748
1,2,4-Trimethylbenzene	U		0.370	1.00	1	04/24/2015 13:14	WG783748
1,3,5-Trimethylbenzene	U		0.390	1.00	1	04/24/2015 13:14	WG783748
Vinyl chloride	U		0.260	1.00	1	04/24/2015 13:14	WG783748
o-Xylene	U		0.340	1.00	1	04/24/2015 13:14	WG783748
m&p-Xylene	U		0.720	1.00	1	04/24/2015 13:14	WG783748
Xylenes, Total	U		1.10	3.00	1	04/24/2015 13:14	WG783748
(S) Toluene-d8	107			88.5-111		04/24/2015 13:14	WG783748
(S) Dibromofluoromethane	99.0			78.3-121		04/24/2015 13:14	WG783748
(S) 4-Bromofluorobenzene	99.7			71.0-126		04/24/2015 13:14	WG783748

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	29.0	J	25.0	100	1	04/24/2015 02:39	WG783366
(S) o-Terphenyl	111			50.0-150		04/24/2015 02:39	WG783366

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc



Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Dissolved Solids	2920000		2800	10000	1	04/27/2015 09:29	WG784340

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Nitrate-Nitrite	14400		98.0	500	5	05/01/2015 04:39	WG785028

Wet Chemistry by Method 9012B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Cyanide	U		1.80	5.00	1	04/30/2015 13:05	WG784739

Wet Chemistry by Method 9056MOD

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	133000		5200	100000	100	04/28/2015 11:13	WG784717
Fluoride	865		9.90	100	1	04/27/2015 18:48	WG784717
Sulfate	1880000		7700	500000	100	04/28/2015 11:13	WG784717

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Mercury	U		0.0490	0.200	1	04/21/2015 12:29	WG783354

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic	1.13	⌋	0.250	2.00	1	04/25/2015 02:25	WG783157
Arsenic,Dissolved	1.24	⌋	0.250	2.00	1	04/29/2015 01:29	WG783446
Barium	13.7		0.360	5.00	1	04/25/2015 02:25	WG783157
Barium,Dissolved	13.3		0.360	5.00	1	04/29/2015 01:29	WG783446
Calcium	455000		46.0	1000	1	04/25/2015 02:25	WG783157
Chromium	2.42		0.540	2.00	1	04/25/2015 02:25	WG783157
Chromium,Dissolved	0.833	⌋	0.540	2.00	1	04/29/2015 01:29	WG783446
Iron	26.2	⌋	15.0	100	1	04/30/2015 01:18	WG785470
Iron,Dissolved	U		15.0	100	1	04/29/2015 01:29	WG783446
Lead	U		0.240	2.00	1	04/27/2015 16:55	WG783157
Lead,Dissolved	U		0.240	2.00	1	04/29/2015 10:31	WG783446
Manganese	0.764	⌋	0.250	5.00	1	04/25/2015 02:25	WG783157
Manganese,Dissolved	0.689	⌋	0.250	5.00	1	04/29/2015 01:29	WG783446
Nickel	1.66	⌋	0.350	2.00	1	04/25/2015 02:25	WG783157
Nickel,Dissolved	1.39	⌋	0.350	2.00	1	04/29/2015 01:29	WG783446
Potassium	1110		37.0	1000	1	04/25/2015 02:25	WG783157
Selenium	10.3		0.380	2.00	1	04/25/2015 02:25	WG783157
Selenium,Dissolved	10.1		0.380	2.00	1	04/29/2015 01:29	WG783446
Sodium	84600		110	1000	1	04/25/2015 02:25	WG783157
Vanadium	10.5		0.180	5.00	1	04/25/2015 02:25	WG783157
Vanadium,Dissolved	10.9		0.180	5.00	1	04/29/2015 01:29	WG783446

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TPH (GC/FID) Low Fraction	U		31.0	100	1	04/23/2015 13:01	WG784069



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
(S) a,a,a-Trifluorotoluene(FID)	89.3			62.0-128		04/23/2015 13:01	WG784069

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		10.0	50.0	1	04/24/2015 13:33	WG783748
Benzene	U		0.330	1.00	1	04/24/2015 13:33	WG783748
Bromodichloromethane	U		0.380	1.00	1	04/24/2015 13:33	WG783748
Bromoform	U		0.470	1.00	1	04/24/2015 13:33	WG783748
Bromomethane	U		0.870	5.00	1	04/24/2015 13:33	WG783748
n-Butylbenzene	U		0.360	1.00	1	04/24/2015 13:33	WG783748
sec-Butylbenzene	U		0.360	1.00	1	04/24/2015 13:33	WG783748
Carbon disulfide	U		0.280	1.00	1	04/24/2015 13:33	WG783748
Carbon tetrachloride	U		0.380	1.00	1	04/24/2015 13:33	WG783748
Chlorobenzene	U		0.350	1.00	1	04/24/2015 13:33	WG783748
Chlorodibromomethane	U		0.330	1.00	1	04/24/2015 13:33	WG783748
Chloroethane	U		0.450	5.00	1	04/24/2015 13:33	WG783748
Chloroform	U		0.320	5.00	1	04/24/2015 13:33	WG783748
Chloromethane	U		0.280	2.50	1	04/24/2015 13:33	WG783748
1,2-Dibromoethane	U		0.380	1.00	1	04/24/2015 13:33	WG783748
1,1-Dichloroethane	U		0.260	1.00	1	04/24/2015 13:33	WG783748
1,2-Dichloroethane	U		0.360	1.00	1	04/24/2015 13:33	WG783748
1,1-Dichloroethene	U		0.400	1.00	1	04/24/2015 13:33	WG783748
cis-1,2-Dichloroethene	U		0.260	1.00	1	04/24/2015 13:33	WG783748
trans-1,2-Dichloroethene	U		0.400	1.00	1	04/24/2015 13:33	WG783748
1,2-Dichloropropane	U		0.310	1.00	1	04/24/2015 13:33	WG783748
cis-1,3-Dichloropropene	U		0.420	1.00	1	04/24/2015 13:33	WG783748
trans-1,3-Dichloropropene	U		0.420	1.00	1	04/24/2015 13:33	WG783748
Ethylbenzene	U		0.380	1.00	1	04/24/2015 13:33	WG783748
Isopropylbenzene	U		0.330	1.00	1	04/24/2015 13:33	WG783748
p-Isopropyltoluene	U		0.350	1.00	1	04/24/2015 13:33	WG783748
2-Butanone (MEK)	U		3.90	10.0	1	04/24/2015 13:33	WG783748
2-Hexanone	U		3.80	10.0	1	04/24/2015 13:33	WG783748
Methylene Chloride	U		1.00	5.00	1	04/24/2015 13:33	WG783748
4-Methyl-2-pentanone (MIBK)	U		2.10	10.0	1	04/24/2015 13:33	WG783748
Methyl tert-butyl ether	U		0.370	1.00	1	04/24/2015 13:33	WG783748
Naphthalene	U		1.00	5.00	1	04/24/2015 13:33	WG783748
n-Propylbenzene	U		0.350	1.00	1	04/24/2015 13:33	WG783748
Styrene	U		0.310	1.00	1	04/24/2015 13:33	WG783748
1,1,1,2-Tetrachloroethane	U		0.380	1.00	1	04/24/2015 13:33	WG783748
1,1,2,2-Tetrachloroethane	U		0.130	1.00	1	04/24/2015 13:33	WG783748
Tetrachloroethene	U		0.370	1.00	1	04/24/2015 13:33	WG783748
Toluene	U		0.780	5.00	1	04/24/2015 13:33	WG783748
1,1,1-Trichloroethane	U		0.319	1.00	1	04/24/2015 13:33	WG783748
1,1,2-Trichloroethane	U		0.380	1.00	1	04/24/2015 13:33	WG783748
Trichloroethene	U		0.400	1.00	1	04/24/2015 13:33	WG783748
1,2,4-Trimethylbenzene	U		0.370	1.00	1	04/24/2015 13:33	WG783748
1,3,5-Trimethylbenzene	U		0.390	1.00	1	04/24/2015 13:33	WG783748
Vinyl chloride	U		0.260	1.00	1	04/24/2015 13:33	WG783748
o-Xylene	U		0.340	1.00	1	04/24/2015 13:33	WG783748
m&p-Xylene	U		0.720	1.00	1	04/24/2015 13:33	WG783748
Xylenes, Total	U		1.10	3.00	1	04/24/2015 13:33	WG783748
(S) Toluene-d8	126	J1		88.5-111		04/24/2015 13:33	WG783748
(S) Dibromofluoromethane	99.6			78.3-121		04/24/2015 13:33	WG783748
(S) 4-Bromofluorobenzene	98.0			71.0-126		04/24/2015 13:33	WG783748

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TPH (GC/FID) High Fraction	35.0	J	25.0	100	1	04/24/2015 02:57	WG783366
(S) o-Terphenyl	113			50.0-150		04/24/2015 02:57	WG783366

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc



Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Dissolved Solids	3710000		2800	10000	1	04/25/2015 12:15	WG783999

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Nitrate-Nitrite	U		200	1000	10	05/01/2015 03:52	WG785028

Wet Chemistry by Method 9012B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Cyanide	U		1.80	5.00	1	05/01/2015 14:49	WG786101

Wet Chemistry by Method 9056MOD

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	241000		5200	100000	100	04/28/2015 11:28	WG784717
Fluoride	1070		9.90	100	1	04/27/2015 19:03	WG784717
Sulfate	1910000		7700	500000	100	04/28/2015 11:28	WG784717

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic	8.50		0.250	2.00	1	04/25/2015 02:27	WG783157
Arsenic,Dissolved	1.60	U	0.250	2.00	1	04/29/2015 01:31	WG783446
Barium	17.7		0.360	5.00	1	04/25/2015 02:27	WG783157
Barium,Dissolved	17.7		0.360	5.00	1	04/29/2015 01:31	WG783446
Calcium	403000		46.0	1000	1	04/25/2015 02:27	WG783157
Chromium	U		0.540	2.00	1	04/25/2015 02:27	WG783157
Chromium,Dissolved	U		0.540	2.00	1	04/29/2015 01:31	WG783446
Iron	96.0	U	15.0	100	1	04/30/2015 01:20	WG785470
Iron,Dissolved	127		15.0	100	1	04/29/2015 01:31	WG783446
Lead	U		0.240	2.00	1	04/27/2015 17:00	WG783157
Lead,Dissolved	0.283	U	0.240	2.00	1	04/29/2015 10:33	WG783446
Manganese	335		0.250	5.00	1	04/25/2015 02:27	WG783157
Manganese,Dissolved	349		0.250	5.00	1	04/29/2015 01:31	WG783446
Nickel	0.848	U	0.350	2.00	1	04/25/2015 02:27	WG783157
Nickel,Dissolved	0.977	U	0.350	2.00	1	04/29/2015 01:31	WG783446
Potassium	541	U	37.0	1000	1	04/25/2015 02:27	WG783157
Selenium	0.557	U	0.380	2.00	1	04/25/2015 02:27	WG783157
Selenium,Dissolved	U		0.380	2.00	1	04/29/2015 01:31	WG783446
Sodium	186000		110	1000	1	04/25/2015 02:27	WG783157

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TPH (GC/FID) Low Fraction	228		31.0	100	1	04/23/2015 19:54	WG784069
(S) a,a,a-Trifluorotoluene(FID) 90.5				62.0-128		04/23/2015 19:54	WG784069



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		10.0	50.0	1	04/30/2015 01:18	WG785102
Benzene	8.29		0.330	1.00	1	04/30/2015 01:18	WG785102
Bromodichloromethane	U		0.380	1.00	1	04/30/2015 01:18	WG785102
Bromoform	U		0.470	1.00	1	04/30/2015 01:18	WG785102
Bromomethane	U		0.870	5.00	1	04/30/2015 01:18	WG785102
n-Butylbenzene	U		0.360	1.00	1	04/30/2015 01:18	WG785102
sec-Butylbenzene	1.12		0.360	1.00	1	04/30/2015 01:18	WG785102
Carbon disulfide	3.74		0.280	1.00	1	04/30/2015 01:18	WG785102
Carbon tetrachloride	U		0.380	1.00	1	04/30/2015 01:18	WG785102
Chlorobenzene	U		0.350	1.00	1	04/30/2015 01:18	WG785102
Chlorodibromomethane	U		0.330	1.00	1	04/30/2015 01:18	WG785102
Chloroethane	U		0.450	5.00	1	04/30/2015 01:18	WG785102
Chloroform	U		0.320	5.00	1	04/30/2015 01:18	WG785102
Chloromethane	U		0.280	2.50	1	04/30/2015 01:18	WG785102
1,2-Dibromoethane	U		0.380	1.00	1	04/30/2015 01:18	WG785102
1,1-Dichloroethane	U		0.260	1.00	1	04/30/2015 01:18	WG785102
1,2-Dichloroethane	U		0.360	1.00	1	04/30/2015 01:18	WG785102
1,1-Dichloroethene	U		0.400	1.00	1	04/30/2015 01:18	WG785102
cis-1,2-Dichloroethene	U		0.260	1.00	1	04/30/2015 01:18	WG785102
trans-1,2-Dichloroethene	U		0.400	1.00	1	04/30/2015 01:18	WG785102
1,2-Dichloropropane	U		0.310	1.00	1	04/30/2015 01:18	WG785102
cis-1,3-Dichloropropene	U		0.420	1.00	1	04/30/2015 01:18	WG785102
trans-1,3-Dichloropropene	U		0.420	1.00	1	04/30/2015 01:18	WG785102
Ethylbenzene	0.450	U	0.380	1.00	1	04/30/2015 01:18	WG785102
Isopropylbenzene	7.98		0.330	1.00	1	04/30/2015 01:18	WG785102
p-Isopropyltoluene	U		0.350	1.00	1	04/30/2015 01:18	WG785102
2-Butanone (MEK)	U		3.90	10.0	1	04/30/2015 01:18	WG785102
2-Hexanone	U		3.80	10.0	1	04/30/2015 01:18	WG785102
Methylene Chloride	U		1.00	5.00	1	04/30/2015 01:18	WG785102
4-Methyl-2-pentanone (MIBK)	U		2.10	10.0	1	04/30/2015 01:18	WG785102
Methyl tert-butyl ether	U		0.370	1.00	1	04/30/2015 01:18	WG785102
Naphthalene	U		1.00	5.00	1	04/30/2015 01:18	WG785102
n-Propylbenzene	1.13		0.350	1.00	1	04/30/2015 01:18	WG785102
Styrene	U		0.310	1.00	1	04/30/2015 01:18	WG785102
1,1,1,2-Tetrachloroethane	U		0.380	1.00	1	04/30/2015 01:18	WG785102
1,1,2,2-Tetrachloroethane	U		0.130	1.00	1	04/30/2015 01:18	WG785102
Tetrachloroethene	U		0.370	1.00	1	04/30/2015 01:18	WG785102
Toluene	U		0.780	5.00	1	04/30/2015 01:18	WG785102
1,1,1-Trichloroethane	U		0.319	1.00	1	04/30/2015 01:18	WG785102
1,1,2-Trichloroethane	U		0.380	1.00	1	04/30/2015 01:18	WG785102
Trichloroethene	U		0.400	1.00	1	04/30/2015 01:18	WG785102
1,2,4-Trimethylbenzene	0.430	U	0.370	1.00	1	04/30/2015 01:18	WG785102
1,3,5-Trimethylbenzene	U		0.390	1.00	1	04/30/2015 01:18	WG785102
Vinyl chloride	U		0.260	1.00	1	04/30/2015 01:18	WG785102
o-Xylene	U		0.340	1.00	1	04/30/2015 01:18	WG785102
m&p-Xylene	1.63		0.720	1.00	1	04/30/2015 01:18	WG785102
Xylenes, Total	1.63	U	1.10	3.00	1	04/30/2015 01:18	WG785102
(S) Toluene-d8	107			88.5-111		04/30/2015 01:18	WG785102
(S) Dibromofluoromethane	104			78.3-121		04/30/2015 01:18	WG785102
(S) 4-Bromofluorobenzene	105			71.0-126		04/30/2015 01:18	WG785102

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

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	1000		25.0	100	1	04/24/2015 03:16	WG783366
(S) o-Terphenyl	116			50.0-150		04/24/2015 03:16	WG783366



Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Dissolved Solids	U		2800	10000	1	04/25/2015 12:14	WG783999

1 Cp

2 Tc

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Nitrate-Nitrite	U		20.0	100	1	05/01/2015 03:53	WG785028

3 Ss

4 Cn

Wet Chemistry by Method 9012B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Cyanide	U		1.80	5.00	1	04/30/2015 13:10	WG784739

5 Sr

6 Qc

Wet Chemistry by Method 9056MOD

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	U		52.0	1000	1	04/27/2015 19:18	WG784717
Fluoride	32.1	J	9.90	100	1	04/27/2015 19:18	WG784717
Sulfate	U		77.0	5000	1	04/27/2015 19:18	WG784717

7 Gl

8 Al

9 Sc

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic	U		0.250	2.00	1	04/25/2015 02:30	WG783157
Arsenic,Dissolved	U		0.250	2.00	1	04/29/2015 01:34	WG783446
Barium	U		0.360	5.00	1	04/25/2015 02:30	WG783157
Barium,Dissolved	U		0.360	5.00	1	04/29/2015 01:34	WG783446
Calcium	69.1	J	46.0	1000	1	04/25/2015 02:30	WG783157
Chromium	U		0.540	2.00	1	04/25/2015 02:30	WG783157
Chromium,Dissolved	U		0.540	2.00	1	04/29/2015 01:34	WG783446
Iron	U		15.0	100	1	04/25/2015 02:30	WG783157
Iron,Dissolved	U		15.0	100	1	04/29/2015 01:34	WG783446
Lead	U		0.240	2.00	1	04/27/2015 17:05	WG783157
Lead,Dissolved	U		0.240	2.00	1	04/29/2015 10:36	WG783446
Manganese	U		0.250	5.00	1	04/25/2015 02:30	WG783157
Manganese,Dissolved	U		0.250	5.00	1	04/29/2015 01:34	WG783446
Nickel	U		0.350	2.00	1	04/25/2015 02:30	WG783157
Nickel,Dissolved	0.413	J	0.350	2.00	1	04/29/2015 01:34	WG783446
Potassium	U		37.0	1000	1	04/25/2015 02:30	WG783157
Selenium	0.495	J	0.380	2.00	1	04/25/2015 02:30	WG783157
Selenium,Dissolved	U		0.380	2.00	1	04/29/2015 01:34	WG783446
Sodium	155	J	110	1000	1	04/25/2015 02:30	WG783157

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TPH (GC/FID) Low Fraction	U		31.0	100	1	04/23/2015 20:16	WG784069
(S) a,a,a-Trifluorotoluene(FID) 92.8				62.0-128		04/23/2015 20:16	WG784069



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		10.0	50.0	1	04/24/2015 08:03	WG783748
Benzene	U		0.330	1.00	1	04/24/2015 08:03	WG783748
Bromodichloromethane	U		0.380	1.00	1	04/24/2015 08:03	WG783748
Bromoform	U		0.470	1.00	1	04/24/2015 08:03	WG783748
Bromomethane	U		0.870	5.00	1	04/24/2015 08:03	WG783748
n-Butylbenzene	U		0.360	1.00	1	04/24/2015 08:03	WG783748
sec-Butylbenzene	U		0.360	1.00	1	04/24/2015 08:03	WG783748
Carbon disulfide	U		0.280	1.00	1	04/24/2015 08:03	WG783748
Carbon tetrachloride	U		0.380	1.00	1	04/24/2015 08:03	WG783748
Chlorobenzene	U		0.350	1.00	1	04/24/2015 08:03	WG783748
Chlorodibromomethane	U		0.330	1.00	1	04/24/2015 08:03	WG783748
Chloroethane	U		0.450	5.00	1	04/24/2015 08:03	WG783748
Chloroform	0.807	J	0.320	5.00	1	04/24/2015 08:03	WG783748
Chloromethane	U	J3	0.280	2.50	1	04/24/2015 08:03	WG783748
1,2-Dibromoethane	U		0.380	1.00	1	04/24/2015 08:03	WG783748
1,1-Dichloroethane	U		0.260	1.00	1	04/24/2015 08:03	WG783748
1,2-Dichloroethane	U		0.360	1.00	1	04/24/2015 08:03	WG783748
1,1-Dichloroethene	U		0.400	1.00	1	04/24/2015 08:03	WG783748
cis-1,2-Dichloroethene	U		0.260	1.00	1	04/24/2015 08:03	WG783748
trans-1,2-Dichloroethene	U		0.400	1.00	1	04/24/2015 08:03	WG783748
1,2-Dichloropropane	U		0.310	1.00	1	04/24/2015 08:03	WG783748
cis-1,3-Dichloropropene	U		0.420	1.00	1	04/24/2015 08:03	WG783748
trans-1,3-Dichloropropene	U		0.420	1.00	1	04/24/2015 08:03	WG783748
Ethylbenzene	U		0.380	1.00	1	04/24/2015 08:03	WG783748
Isopropylbenzene	U		0.330	1.00	1	04/24/2015 08:03	WG783748
p-Isopropyltoluene	U		0.350	1.00	1	04/24/2015 08:03	WG783748
2-Butanone (MEK)	U		3.90	10.0	1	04/24/2015 08:03	WG783748
2-Hexanone	U		3.80	10.0	1	04/24/2015 08:03	WG783748
Methylene Chloride	U	J3	1.00	5.00	1	04/24/2015 08:03	WG783748
4-Methyl-2-pentanone (MIBK)	U		2.10	10.0	1	04/24/2015 08:03	WG783748
Methyl tert-butyl ether	U		0.370	1.00	1	04/24/2015 08:03	WG783748
Naphthalene	U		1.00	5.00	1	04/24/2015 08:03	WG783748
n-Propylbenzene	U		0.350	1.00	1	04/24/2015 08:03	WG783748
Styrene	U		0.310	1.00	1	04/24/2015 08:03	WG783748
1,1,1,2-Tetrachloroethane	U		0.380	1.00	1	04/24/2015 08:03	WG783748
1,1,2,2-Tetrachloroethane	U		0.130	1.00	1	04/24/2015 08:03	WG783748
Tetrachloroethene	U		0.370	1.00	1	04/24/2015 08:03	WG783748
Toluene	U		0.780	5.00	1	04/24/2015 08:03	WG783748
1,1,1-Trichloroethane	U		0.319	1.00	1	04/24/2015 08:03	WG783748
1,1,2-Trichloroethane	U		0.380	1.00	1	04/24/2015 08:03	WG783748
Trichloroethene	U		0.400	1.00	1	04/24/2015 08:03	WG783748
1,2,4-Trimethylbenzene	U		0.370	1.00	1	04/24/2015 08:03	WG783748
1,3,5-Trimethylbenzene	U		0.390	1.00	1	04/24/2015 08:03	WG783748
Vinyl chloride	U		0.260	1.00	1	04/24/2015 08:03	WG783748
o-Xylene	U		0.340	1.00	1	04/24/2015 08:03	WG783748
m&p-Xylene	U		0.720	1.00	1	04/24/2015 08:03	WG783748
Xylenes, Total	U		1.10	3.00	1	04/24/2015 08:03	WG783748
(S) Toluene-d8	106			88.5-111		04/24/2015 08:03	WG783748
(S) Dibromofluoromethane	98.5			78.3-121		04/24/2015 08:03	WG783748
(S) 4-Bromofluorobenzene	99.2			71.0-126		04/24/2015 08:03	WG783748

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	56.0	J	25.0	100	1	04/24/2015 03:35	WG783366
(S) o-Terphenyl	112			50.0-150		04/24/2015 03:35	WG783366



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		10.0	50.0	1	04/24/2015 07:43	WG783748
Benzene	U		0.330	1.00	1	04/24/2015 07:43	WG783748
Bromodichloromethane	U		0.380	1.00	1	04/24/2015 07:43	WG783748
Bromoform	U		0.470	1.00	1	04/24/2015 07:43	WG783748
Bromomethane	U		0.870	5.00	1	04/24/2015 07:43	WG783748
n-Butylbenzene	U		0.360	1.00	1	04/24/2015 07:43	WG783748
sec-Butylbenzene	U		0.360	1.00	1	04/24/2015 07:43	WG783748
Carbon disulfide	U		0.280	1.00	1	04/24/2015 07:43	WG783748
Carbon tetrachloride	U		0.380	1.00	1	04/24/2015 07:43	WG783748
Chlorobenzene	U		0.350	1.00	1	04/24/2015 07:43	WG783748
Chlorodibromomethane	U		0.330	1.00	1	04/24/2015 07:43	WG783748
Chloroethane	U		0.450	5.00	1	04/24/2015 07:43	WG783748
Chloroform	U		0.320	5.00	1	04/24/2015 07:43	WG783748
Chloromethane	U		0.280	2.50	1	04/24/2015 07:43	WG783748
1,2-Dibromoethane	U		0.380	1.00	1	04/24/2015 07:43	WG783748
1,1-Dichloroethane	U		0.260	1.00	1	04/24/2015 07:43	WG783748
1,2-Dichloroethane	U		0.360	1.00	1	04/24/2015 07:43	WG783748
1,1-Dichloroethene	U		0.400	1.00	1	04/24/2015 07:43	WG783748
cis-1,2-Dichloroethene	U		0.260	1.00	1	04/24/2015 07:43	WG783748
trans-1,2-Dichloroethene	U		0.400	1.00	1	04/24/2015 07:43	WG783748
1,2-Dichloropropane	U		0.310	1.00	1	04/24/2015 07:43	WG783748
cis-1,3-Dichloropropene	U		0.420	1.00	1	04/24/2015 07:43	WG783748
trans-1,3-Dichloropropene	U		0.420	1.00	1	04/24/2015 07:43	WG783748
Ethylbenzene	U		0.380	1.00	1	04/24/2015 07:43	WG783748
Isopropylbenzene	U		0.330	1.00	1	04/24/2015 07:43	WG783748
p-Isopropyltoluene	U		0.350	1.00	1	04/24/2015 07:43	WG783748
2-Butanone (MEK)	U		3.90	10.0	1	04/24/2015 07:43	WG783748
2-Hexanone	U		3.80	10.0	1	04/24/2015 07:43	WG783748
Methylene Chloride	U		1.00	5.00	1	04/24/2015 07:43	WG783748
4-Methyl-2-pentanone (MIBK)	U		2.10	10.0	1	04/24/2015 07:43	WG783748
Methyl tert-butyl ether	U		0.370	1.00	1	04/24/2015 07:43	WG783748
Naphthalene	U		1.00	5.00	1	04/24/2015 07:43	WG783748
n-Propylbenzene	U		0.350	1.00	1	04/24/2015 07:43	WG783748
Styrene	U		0.310	1.00	1	04/24/2015 07:43	WG783748
1,1,1,2-Tetrachloroethane	U		0.380	1.00	1	04/24/2015 07:43	WG783748
1,1,2,2-Tetrachloroethane	U		0.130	1.00	1	04/24/2015 07:43	WG783748
Tetrachloroethene	U		0.370	1.00	1	04/24/2015 07:43	WG783748
Toluene	U		0.780	5.00	1	04/24/2015 07:43	WG783748
1,1,1-Trichloroethane	U		0.319	1.00	1	04/24/2015 07:43	WG783748
1,1,2-Trichloroethane	U		0.380	1.00	1	04/24/2015 07:43	WG783748
Trichloroethene	U		0.400	1.00	1	04/24/2015 07:43	WG783748
1,2,4-Trimethylbenzene	U		0.370	1.00	1	04/24/2015 07:43	WG783748
1,3,5-Trimethylbenzene	U		0.390	1.00	1	04/24/2015 07:43	WG783748
Vinyl chloride	U		0.260	1.00	1	04/24/2015 07:43	WG783748
o-Xylene	U		0.340	1.00	1	04/24/2015 07:43	WG783748
m&p-Xylene	U		0.720	1.00	1	04/24/2015 07:43	WG783748
Xylenes, Total	U		1.10	3.00	1	04/24/2015 07:43	WG783748
(S) Toluene-d8	104			88.5-111		04/24/2015 07:43	WG783748
(S) Dibromofluoromethane	100			78.3-121		04/24/2015 07:43	WG783748
(S) 4-Bromofluorobenzene	99.7			71.0-126		04/24/2015 07:43	WG783748

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Method Blank (MB)

(MB) 04/25/15 11:17

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Dissolved Solids	3.00		2.82	10.0

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

L760264-01 Original Sample (OS) • Duplicate (DUP)

(OS) 04/25/15 11:18 • (DUP) 04/25/15 11:17

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	2760	2720	1	1.46		5

⁷Gl

⁸Al

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

(LCS) 04/25/15 11:20 • (LCSD) 04/25/15 11:20

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Dissolved Solids	8800	8400	8270	95.5	94.0	85.0-115			1.56	5

⁹Sc



Method Blank (MB)

(MB) 04/25/15 12:18

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

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

L760265-02 Original Sample (OS) • Duplicate (DUP)

(OS) 04/25/15 12:01 • (DUP) 04/25/15 12:08

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	36800	34000	1	7.96	J3	5

7
Gl

8
Al

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

(LCS) 04/25/15 12:14 • (LCSD) 04/25/15 12:14

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Dissolved Solids	8800	8380	8420	95.2	95.7	85.0-115			0.476	5

9
Sc



Method Blank (MB)

(MB) 04/27/15 08:59

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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L760247-01 Original Sample (OS) • Duplicate (DUP)

(OS) 04/27/15 08:56 • (DUP) 04/27/15 08:55

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Dissolved Solids	4650	4810	1	3.38		5

L760264-16 Original Sample (OS) • Duplicate (DUP)

(OS) 04/27/15 08:57 • (DUP) 04/27/15 09:00

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Dissolved Solids	1420	1400	1	1.42		5

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

(LCS) 04/27/15 08:59 • (LCSD) 04/27/15 08:59

	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Analyte	mg/l	mg/l	mg/l	%	%	%			%	%
Dissolved Solids	8800	8970	8540	102	97.0	85.0-115			4.91	5



Method Blank (MB)

(MB) 04/27/15 09:33

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

L760264-17 Original Sample (OS) • Duplicate (DUP)

(OS) 04/27/15 09:29 • (DUP) 04/27/15 09:29

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Dissolved Solids	2920	2920	1	0.000		5

L760276-12 Original Sample (OS) • Duplicate (DUP)

(OS) 04/27/15 09:26 • (DUP) 04/27/15 09:33

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Dissolved Solids	1980	2080	1	4.69		5

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

(LCS) 04/27/15 09:31 • (LCSD) 04/27/15 09:27

	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Analyte	mg/l	mg/l	mg/l	%	%	%			%	%
Dissolved Solids	8800	8700	8690	98.9	98.8	85.0-115			0.115	5

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc



Method Blank (MB)

(MB) 05/01/15 01:46

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

L760264-06 Original Sample (OS) • Duplicate (DUP)

(OS) 05/01/15 02:14 • (DUP) 05/01/15 02:16

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Nitrate-Nitrite	0.30	0.27	1	11		20

L760254-11 Original Sample (OS) • Duplicate (DUP)

(OS) 05/01/15 01:53 • (DUP) 05/01/15 01:54

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Nitrate-Nitrite	ND	ND	1	11	J	20

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

(LCS) 05/01/15 01:49 • (LCSD) 05/01/15 01:50

	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Analyte	mg/l	mg/l	mg/l	%	%	%			%	%
Nitrate-Nitrite	5.00	5.05	5.09	101	102	90.0-110			0.789	20

L760254-12 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 05/01/15 01:55 • (MS) 05/01/15 01:56 • (MSD) 05/01/15 01:58

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/l	mg/l	mg/l	mg/l	%	%		%			%	%
Nitrate-Nitrite	5.00	ND	4.53	4.34	90.6	86.8	1	90.0-110		J6	4.28	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc



Method Blank (MB)

(MB) 05/01/15 03:37

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

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

L760269-06 Original Sample (OS) • Duplicate (DUP)

(OS) 05/01/15 04:04 • (DUP) 05/01/15 04:05

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Nitrate-Nitrite	2.9	2.9	1	0.00		20

L760264-15 Original Sample (OS) • Duplicate (DUP)

(OS) 05/01/15 03:45 • (DUP) 05/01/15 03:46

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Nitrate-Nitrite	4.6	4.6	1	0.00		20

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

(LCS) 05/01/15 03:40 • (LCSD) 05/01/15 03:41

	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Analyte	mg/l	mg/l	mg/l	%	%	%			%	%
Nitrate-Nitrite	5.00	5.16	5.19	103	104	90.0-110			0.580	20

L760264-16 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 05/01/15 03:47 • (MS) 05/01/15 03:49 • (MSD) 05/01/15 03:50

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/l	mg/l	mg/l	mg/l	%	%		%			%	%
Nitrate-Nitrite	5.00	1.03	6.09	6.07	102	101	1	90.0-110			0.329	20



Method Blank (MB)

(MB) 04/30/15 12:52

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

L760276-18 Original Sample (OS) • Duplicate (DUP)

(OS) 04/30/15 13:19 • (DUP) 04/30/15 13:20

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Cyanide	ND	ND	1	0.00		20

L760264-01 Original Sample (OS) • Duplicate (DUP)

(OS) 04/30/15 12:59 • (DUP) 04/30/15 13:00

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Cyanide	0.013	0.015	1	14		20

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

(LCS) 04/30/15 12:54 • (LCSD) 04/30/15 12:55

	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Analyte	mg/l	mg/l	mg/l	%	%	%			%	%
Cyanide	0.100	0.108	0.104	108	104	90.0-110			3.77	20

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc



Method Blank (MB)

(MB) 05/01/15 14:43

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

L760731-02 Original Sample (OS) • Duplicate (DUP)

(OS) 05/01/15 15:01 • (DUP) 05/01/15 15:02

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Cyanide	ND	ND	1	0.00		20

L760280-10 Original Sample (OS) • Duplicate (DUP)

(OS) 05/01/15 14:50 • (DUP) 05/01/15 14:51

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Cyanide	ND	ND	1	0.00		20

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

(LCS) 05/01/15 14:45 • (LCSD) 05/01/15 14:46

	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Analyte	mg/l	mg/l	mg/l	%	%	%			%	%
Cyanide	0.100	0.108	0.104	108	104	90.0-110			3.77	20

L760668-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 05/01/15 14:54 • (MS) 05/01/15 14:55 • (MSD) 05/01/15 14:56

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/l	mg/l	mg/l	mg/l	%	%		%			%	%
Cyanide	0.200	ND	0.194	0.198	97.0	99.0	1	90.0-110			2.04	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) 04/28/15 18:50

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

L760254-16 Original Sample (OS) • Duplicate (DUP)

(OS) 04/28/15 22:04 • (DUP) 04/28/15 22:19

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	ND	-0.0864	1	0		20
Fluoride	0.0197	0.000	1	200	P1	20
Sulfate	0.323	-0.231	1	1200	P1	20

L760264-09 Original Sample (OS) • Duplicate (DUP)

(OS) 04/29/15 01:47 • (DUP) 04/29/15 02:02

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	80.3	80.2	1	0		20
Fluoride	1.95	1.97	1	1		20

L760264-09 Original Sample (OS) • Duplicate (DUP)

(OS) 04/29/15 16:33 • (DUP) 04/29/15 16:48

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Sulfate	2140	2090	100	2		20

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

(LCS) 04/28/15 19:05 • (LCSD) 04/28/15 19:20

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Chloride	40.0	40.1	39.9	100	100	90-110			1	20
Fluoride	8.00	8.04	7.98	100	100	90-110			1	20
Sulfate	40.0	41.2	41.0	103	102	90-110			1	20

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc



L760254-18 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 04/28/15 22:34 • (MS) 04/28/15 22:48 • (MSD) 04/28/15 23:03

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	50.0	ND	49.5	50.8	99	102	1	80-120			3	20
Fluoride	5.00	0.0148	5.02	5.06	100	101	1	80-120			1	20
Sulfate	50.0	ND	50.8	51.8	102	104	1	80-120			2	20

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc



Method Blank (MB)

(MB) 04/27/15 15:35

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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L760264-16 Original Sample (OS) • Duplicate (DUP)

(OS) 04/27/15 18:18 • (DUP) 04/27/15 18:33

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	27.5	27.7	1	0		20
Fluoride	0.716	0.718	1	0		20

L760269-11 Original Sample (OS) • Duplicate (DUP)

(OS) 04/27/15 23:02 • (DUP) 04/27/15 23:17

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Fluoride	1.15	1.15	1	0		20
Sulfate	19.0	19.0	1	0		20

L760264-16 Original Sample (OS) • Duplicate (DUP)

(OS) 04/28/15 10:43 • (DUP) 04/28/15 10:58

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Sulfate	1450	1440	20	1		20

L760269-11 Original Sample (OS) • Duplicate (DUP)

(OS) 04/28/15 14:42 • (DUP) 04/28/15 14:57

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	237	232	10	2		20

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

(LCS) 04/27/15 15:49 • (LCSD) 04/27/15 16:04

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
Chloride	40.0	39.4	39.5	99	99	90-110			0	20
Fluoride	8.00	7.89	7.89	99	99	90-110			0	20
Sulfate	40.0	39.0	39.0	98	98	90-110			0	20

L760264-19 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 04/27/15 19:18 • (MS) 04/27/15 19:33 • (MSD) 04/27/15 19:48

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD %	RPD Limits %
Chloride	50.0	0.0348	49.4	49.6	99	99	1	80-120			0	20
Fluoride	5.00	0.0321	5.11	5.04	102	100	1	80-120			1	20
Sulfate	50.0	ND	49.1	49.0	98	98	1	80-120			0	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) 04/21/15 11:43

	MB Result	<u>MB Qualifier</u>	MB MDL	MB RDL
Analyte	mg/l		mg/l	mg/l
Mercury	U		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 (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 04/21/15 11:45 • (LCSD) 04/21/15 11:48

	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD	RPD Limits
Analyte	mg/l	mg/l	mg/l	%	%	%			%	%
Mercury	0.00300	0.00290	0.00301	97	100	80-120			4	20

L760276-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 04/21/15 11:56 • (MS) 04/21/15 11:58 • (MSD) 04/21/15 12:01

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD	RPD Limits
Analyte	mg/l	mg/l	mg/l	mg/l	%	%		%			%	%
Mercury	0.00300	ND	0.00270	0.00248	90	83	1	75-125			8	20



Method Blank (MB)

(MB) 04/25/15 00:50

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Arsenic	U		0.00025	0.00200
Barium	U		0.00036	0.00500
Calcium	U		0.046	1.00
Chromium	U		0.00054	0.00200
Iron	0.284		0.015	0.100
Lead	U		0.00024	0.00200
Manganese	0.00129		0.00025	0.00500
Nickel	U		0.00035	0.00200
Potassium	U		0.037	1.00
Selenium	U		0.00038	0.00200
Sodium	U		0.11	1.00
Vanadium	0.000342		0.00018	0.00500

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

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

(LCS) 04/25/15 00:52 • (LCSD) 04/25/15 00:55

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Arsenic	0.0500	0.0477	0.0484	95	97	80-120			1	20
Barium	0.0500	0.0503	0.0503	101	101	80-120			0	20
Calcium	5.00	4.88	5.01	98	100	80-120			2	20
Chromium	0.0500	0.0496	0.0495	99	99	80-120			0	20
Iron	5.00	4.84	4.80	97	96	80-120			1	20
Lead	0.0500	0.0522	0.0514	104	103	80-120			2	20
Manganese	0.0500	0.0500	0.0501	100	100	80-120			0	20
Nickel	0.0500	0.0502	0.0503	100	101	80-120			0	20
Potassium	5.00	4.75	4.74	95	95	80-120			0	20
Selenium	0.0500	0.0471	0.0477	94	95	80-120			1	20
Sodium	5.00	5.07	5.03	101	101	80-120			1	20
Vanadium	0.0500	0.0495	0.0493	99	99	80-120			0	20

L760264-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 04/25/15 00:58 • (MS) 04/25/15 01:03 • (MSD) 04/25/15 01:05

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	0.0500	0.00521	0.0559	0.0550	101	99	1	75-125			2	20
Barium	0.0500	0.00931	0.0608	0.0613	103	104	1	75-125			1	20



L760264-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 04/25/15 00:58 • (MS) 04/25/15 01:03 • (MSD) 04/25/15 01:05

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Calcium	5.00	534	537	538	71	80	1	75-125	V		0	20
Chromium	0.0500	0.000275	0.0482	0.0481	96	96	1	75-125			0	20
Potassium	5.00	3.57	8.69	8.67	103	102	1	75-125			0	20
Iron	5.00	0.0121	4.68	4.70	93	94	1	75-125			0	20
Lead	0.0500	0.000128	0.0516	0.0504	103	101	1	75-125			2	20
Manganese	0.0500	0.00454	0.0527	0.0531	96	97	1	75-125			1	20
Nickel	0.0500	0.00105	0.0481	0.0481	94	94	1	75-125			0	20
Selenium	0.0500	0.00103	0.0510	0.0529	100	104	1	75-125			4	20
Sodium	5.00	92.1	96.5	96.5	87	89	1	75-125			0	20
Vanadium	0.0500	0.0337	0.0824	0.0829	97	98	1	75-125			1	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc



Method Blank (MB)

(MB) 04/28/15 16:29

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Arsenic,Dissolved	U		0.00025	0.00200
Barium,Dissolved	U		0.00036	0.00500
Chromium,Dissolved	0.000561		0.00054	0.00200
Iron,Dissolved	U		0.015	0.100
Lead,Dissolved	U		0.00024	0.00200
Manganese,Dissolved	U		0.00025	0.00500
Nickel,Dissolved	U		0.00035	0.00200
Selenium,Dissolved	U		0.00038	0.00200
Vanadium,Dissolved	U		0.00018	0.00500

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

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

(LCS) 04/28/15 16:32 • (LCSD) 04/28/15 16:34

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Arsenic,Dissolved	0.0500	0.0496	0.0499	99	100	80-120			1	20
Barium,Dissolved	0.0500	0.0473	0.0507	95	101	80-120			7	20
Chromium,Dissolved	0.0500	0.0493	0.0505	99	101	80-120			3	20
Iron,Dissolved	5.00	4.72	4.81	94	96	80-120			2	20
Lead,Dissolved	0.0500	0.0493	0.0514	99	103	80-120			4	20
Manganese,Dissolved	0.0500	0.0493	0.0491	99	98	80-120			0	20
Nickel,Dissolved	0.0500	0.0490	0.0500	98	100	80-120			2	20
Selenium,Dissolved	0.0500	0.0510	0.0519	102	104	80-120			2	20
Vanadium,Dissolved	0.0500	0.0491	0.0494	98	99	80-120			1	20

L760264-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 04/28/15 16:36 • (MS) 04/28/15 16:41 • (MSD) 04/28/15 16:43

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic,Dissolved	0.0500	0.00273	0.0556	0.0567	106	108	1	75-125			2	20
Barium,Dissolved	0.0500	0.0127	0.0756	0.0633	126	101	1	75-125	J5		18	20
Chromium,Dissolved	0.0500	0.000373	0.0490	0.0485	97	96	1	75-125			1	20
Iron,Dissolved	5.00	0.00367	4.68	4.67	94	93	1	75-125			0	20
Lead,Dissolved	0.0500	0.0000791	0.0495	0.0513	99	102	1	75-125			4	20
Manganese,Dissolved	0.0500	0.894	0.946	0.938	105	88	1	75-125			1	20
Nickel,Dissolved	0.0500	0.00402	0.0516	0.0514	95	95	1	75-125			0	20
Selenium,Dissolved	0.0500	0.00180	0.0570	0.0552	110	107	1	75-125			3	20



L760264-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 04/28/15 16:36 • (MS) 04/28/15 16:41 • (MSD) 04/28/15 16:43

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Vanadium,Dissolved	0.0500	0.00991	0.0594	0.0585	99	97	1	75-125			1	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc



Method Blank (MB)

(MB) 04/29/15 00:50

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Arsenic,Dissolved	U		0.00025	0.00200
Barium,Dissolved	U		0.00036	0.00500
Chromium,Dissolved	U		0.00054	0.00200
Iron,Dissolved	0.0761		0.015	0.100
Lead,Dissolved	U		0.00024	0.00200
Manganese,Dissolved	0.000483		0.00025	0.00500
Nickel,Dissolved	U		0.00035	0.00200
Selenium,Dissolved	U		0.00038	0.00200
Vanadium,Dissolved	U		0.00018	0.00500

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

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

(LCS) 04/29/15 00:53 • (LCSD) 04/29/15 00:55

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Arsenic,Dissolved	0.0500	0.0515	0.0519	103	104	80-120			1	20
Barium,Dissolved	0.0500	0.0519	0.0521	104	104	80-120			0	20
Chromium,Dissolved	0.0500	0.0527	0.0530	105	106	80-120			1	20
Iron,Dissolved	5.00	5.23	5.25	105	105	80-120			0	20
Lead,Dissolved	0.0500	0.0527	0.0525	105	105	80-120			0	20
Manganese,Dissolved	0.0500	0.0533	0.0526	107	105	80-120			1	20
Nickel,Dissolved	0.0500	0.0550	0.0550	110	110	80-120			0	20
Selenium,Dissolved	0.0500	0.0521	0.0513	104	103	80-120			2	20
Vanadium,Dissolved	0.0500	0.0530	0.0523	106	105	80-120			1	20

L760264-10 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 04/29/15 00:58 • (MS) 04/29/15 01:03 • (MSD) 04/29/15 01:05

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic,Dissolved	0.0500	0.00412	0.0559	0.0492	104	90	1	75-125			13	20
Barium,Dissolved	0.0500	0.580	0.633	0.626	107	93	1	75-125			1	20
Chromium,Dissolved	0.0500	0.000777	0.0523	0.0512	103	101	1	75-125			2	20
Iron,Dissolved	5.00	0.255	5.22	99	1	75-125						
Lead,Dissolved	0.0500	0.00139	0.0549	0.0562	107	110	1	75-125			2	20
Manganese,Dissolved	0.0500	0.242	0.296	0.292	108	102	1	75-125			1	20
Nickel,Dissolved	0.0500	0.00552	0.0567	0.0556	102	100	1	75-125			2	20
Selenium,Dissolved	0.0500	0.00302	0.00336	0.00474	1	3	1	75-125	J6	J3 J6	34	20



L760264-10 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 04/29/15 00:58 • (MS) 04/29/15 01:03 • (MSD) 04/29/15 01:05

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Vanadium,Dissolved	0.0500	0.00291	0.0550	0.0542	104	103	1	75-125			1	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc



Method Blank (MB)

(MB) 04/29/15 22:20

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Iron	U		0.015	0.100

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

(LCS) 04/29/15 22:23 • (LCSD) 04/29/15 22:25

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Iron	5.00	4.43	4.40	89	88	80-120			1	20

L760264-14 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 04/29/15 22:28 • (MS) 04/29/15 22:33 • (MSD) 04/29/15 22:36

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Iron	5.00	0.379	4.68	4.66	86	86	1	75-125			0	20



Method Blank (MB)

(MB) 04/22/15 03:36

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) Low Fraction	U		0.0314	0.100
(S) a,a,a-Trifluorotoluene(FID)	92.3			62.0-128

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

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

(LCS) 04/22/15 01:11 • (LCSD) 04/22/15 01:33

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) Low Fraction	5.50	4.21	5.82	76.5	106	67.0-132		J3	32.1	20
(S) a,a,a-Trifluorotoluene(FID)				97.6	96.8	62.0-128				

L760254-11 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 04/22/15 03:58 • (MS) 04/22/15 02:30 • (MSD) 04/22/15 02:52

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) Low Fraction	5.50	ND	4.50	4.94	81.8	89.8	1	50.0-143			9.37	20
(S) a,a,a-Trifluorotoluene(FID)					98.4	98.8		62.0-128				



Method Blank (MB)

(MB) 04/23/15 12:14

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) Low Fraction	U		0.0314	0.100
(S) a,a,a-Trifluorotoluene(FID)	93.0			62.0-128

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

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

(LCS) 04/23/15 10:04 • (LCSD) 04/23/15 10:26

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) Low Fraction	5.50	4.10	4.20	74.5	76.4	67.0-132			2.50	20
(S) a,a,a-Trifluorotoluene(FID)				97.6	97.3	62.0-128				

L760264-17 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 04/23/15 13:01 • (MS) 04/23/15 11:04 • (MSD) 04/23/15 11:30

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) Low Fraction	5.50	ND	4.38	4.12	79.6	74.9	1	50.0-143			6.06	20
(S) a,a,a-Trifluorotoluene(FID)					98.1	98.1		62.0-128				



Method Blank (MB)

(MB) 04/28/15 10:51

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	mg/l		mg/l	mg/l
TPH (GC/FID) Low Fraction	U		0.0314	0.100
(S) a,a,a-Trifluorotoluene(FID)	97.6			62.0-128

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

(LCS) 04/28/15 09:23 • (LCSD) 04/28/15 09:48

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	mg/l	mg/l	mg/l	%	%	%			%	%
TPH (GC/FID) Low Fraction	5.50	5.44	5.19	98.9	94.4	67.0-132			4.65	20
(S) a,a,a-Trifluorotoluene(FID)				105	105	62.0-128				

L760239-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 04/28/15 14:46 • (MS) 04/28/15 13:31 • (MSD) 04/28/15 13:56

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	mg/l	mg/l	mg/l	mg/l	%	%		%			%	%
TPH (GC/FID) Low Fraction	5.50	1.17	6.08	6.03	89.2	88.2	1	50.0-143			0.880	20
(S) a,a,a-Trifluorotoluene(FID)					107	108		62.0-128				



Method Blank (MB)

(MB) 04/24/15 06:07

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acetone	U		0.0100	0.0500
Benzene	U		0.000331	0.00100
Bromodichloromethane	U		0.000380	0.00100
Bromoform	U		0.000469	0.00100
Bromomethane	U		0.000866	0.00500
n-Butylbenzene	U		0.000361	0.00100
sec-Butylbenzene	U		0.000365	0.00100
Carbon disulfide	U		0.000275	0.00100
Carbon tetrachloride	U		0.000379	0.00100
Chlorobenzene	U		0.000348	0.00100
Chlorodibromomethane	U		0.000327	0.00100
Chloroethane	U		0.000453	0.00500
Chloroform	U		0.000324	0.00500
Chloromethane	U		0.000276	0.00250
1,2-Dibromoethane	U		0.000381	0.00100
1,1-Dichloroethane	U		0.000259	0.00100
1,2-Dichloroethane	U		0.000361	0.00100
1,1-Dichloroethene	U		0.000398	0.00100
cis-1,2-Dichloroethene	U		0.000260	0.00100
trans-1,2-Dichloroethene	U		0.000396	0.00100
1,2-Dichloropropane	U		0.000306	0.00100
cis-1,3-Dichloropropene	U		0.000418	0.00100
trans-1,3-Dichloropropene	U		0.000419	0.00100
Ethylbenzene	U		0.000384	0.00100
2-Hexanone	U		0.00382	0.0100
Isopropylbenzene	U		0.000326	0.00100
p-Isopropyltoluene	U		0.000350	0.00100
2-Butanone (MEK)	U		0.00393	0.0100
Methylene Chloride	U		0.00100	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.00214	0.0100
Methyl tert-butyl ether	U		0.000367	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.000349	0.00100
Styrene	U		0.000307	0.00100
1,1,1,2-Tetrachloroethane	U		0.000385	0.00100
1,1,2,2-Tetrachloroethane	U		0.000130	0.00100
Tetrachloroethene	U		0.000372	0.00100
Toluene	U		0.000780	0.00500
1,1,1-Trichloroethane	U		0.000319	0.00100

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc



Method Blank (MB)

(MB) 04/24/15 06:07

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
1,1,2-Trichloroethane	U		0.000383	0.00100
Trichloroethene	U		0.000398	0.00100
1,2,4-Trimethylbenzene	U		0.000373	0.00100
1,3,5-Trimethylbenzene	U		0.000387	0.00100
Vinyl chloride	U		0.000259	0.00100
Xylenes, Total	U		0.00106	0.00300
o-Xylene	U		0.000341	0.00100
m&p-Xylenes	U		0.000719	0.00200
(S) Toluene-d8	107			88.5-111
(S) Dibromofluoromethane	99.0			78.3-121
(S) 4-Bromofluorobenzene	99.1			71.0-126

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

(LCS) 04/24/15 05:09 • (LCSD) 04/24/15 05:29

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	0.0793	0.0846	63.5	67.7	35.6-163			6.45	23.9
Benzene	0.0250	0.0206	0.0225	82.3	89.8	74.8-121			8.76	20
Bromodichloromethane	0.0250	0.0207	0.0225	82.8	89.9	75.1-116			8.29	20
Bromoform	0.0250	0.0224	0.0254	89.7	101	67.5-130			12.2	20
Bromomethane	0.0250	0.0197	0.0192	78.8	76.9	49.9-162			2.41	20
n-Butylbenzene	0.0250	0.0229	0.0248	91.7	99.4	76.2-126			7.99	20
sec-Butylbenzene	0.0250	0.0227	0.0264	90.9	105	74.4-127			14.8	20
Carbon disulfide	0.0250	0.0208	0.0226	83.3	90.5	64.6-140			8.34	20
Carbon tetrachloride	0.0250	0.0227	0.0256	90.7	102	70.2-123			12.2	20
Chlorobenzene	0.0250	0.0226	0.0256	90.3	102	78.1-119			12.4	20
Chlorodibromomethane	0.0250	0.0212	0.0240	84.6	96.1	74.0-121			12.8	20
Chloroethane	0.0250	0.0211	0.0176	84.5	70.4	61.7-135			18.2	20
Chloroform	0.0250	0.0204	0.0218	81.7	87.3	76.0-121			6.58	20
Chloromethane	0.0250	0.0177	0.0195	70.9	78.1	61.5-129			9.76	20
1,2-Dibromoethane	0.0250	0.0212	0.0245	84.7	97.9	76.6-121			14.4	20
1,1-Dichloroethane	0.0250	0.0217	0.0229	86.7	91.5	70.7-126			5.42	20
1,2-Dichloroethane	0.0250	0.0210	0.0232	84.2	92.9	68.8-124			9.78	20
1,1-Dichloroethene	0.0250	0.0221	0.0238	88.4	95.2	67.8-129			7.49	20
cis-1,2-Dichloroethene	0.0250	0.0199	0.0213	79.8	85.2	76.0-119			6.65	20
trans-1,2-Dichloroethene	0.0250	0.0206	0.0220	82.3	88.1	72.6-121			6.82	20
1,2-Dichloropropane	0.0250	0.0234	0.0244	93.7	97.6	76.5-119			4.05	20

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

(LCS) 04/24/15 05:09 • (LCSD) 04/24/15 05:29

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
cis-1,3-Dichloropropene	0.0250	0.0214	0.0232	85.8	92.9	78.2-120			7.96	20
trans-1,3-Dichloropropene	0.0250	0.0190	0.0210	75.9	83.9	74.3-123			10.0	20
Ethylbenzene	0.0250	0.0234	0.0264	93.5	105	78.8-122			12.1	20
2-Hexanone	0.125	0.108	0.124	86.2	99.1	65.6-144			13.9	20
Isopropylbenzene	0.0250	0.0233	0.0265	93.3	106	78.6-132			12.6	20
p-Isopropyltoluene	0.0250	0.0230	0.0267	92.0	107	74.0-131			15.0	20
2-Butanone (MEK)	0.125	0.0988	0.112	79.1	89.7	55.0-149			12.6	20
Methylene Chloride	0.0250	0.0195	0.0229	77.8	91.5	70.3-120			16.2	20
4-Methyl-2-pentanone (MIBK)	0.125	0.104	0.116	83.4	92.7	70.5-133			10.5	20
Methyl tert-butyl ether	0.0250	0.0194	0.0211	77.7	84.2	71.2-126			8.07	20
Naphthalene	0.0250	0.0191	0.0212	76.4	84.7	68.4-128			10.4	20
n-Propylbenzene	0.0250	0.0233	0.0263	93.0	105	78.2-122			12.4	20
Styrene	0.0250	0.0224	0.0258	89.4	103	80.4-126			14.2	20
1,1,1,2-Tetrachloroethane	0.0250	0.0227	0.0239	90.7	95.7	74.2-124			5.42	20
1,1,2,2-Tetrachloroethane	0.0250	0.0204	0.0227	81.8	90.8	70.7-122			10.5	20
Tetrachloroethene	0.0250	0.0244	0.0282	97.5	113	72.6-126			14.4	20
Toluene	0.0250	0.0216	0.0236	86.4	94.6	79.7-116			8.98	20
1,1,1-Trichloroethane	0.0250	0.0220	0.0230	88.0	91.8	73.2-123			4.27	20
1,1,2-Trichloroethane	0.0250	0.0197	0.0220	78.8	87.8	77.7-118			10.8	20
Trichloroethene	0.0250	0.0235	0.0249	93.9	99.7	77.7-118			6.02	20
1,2,4-Trimethylbenzene	0.0250	0.0215	0.0250	86.1	99.8	75.0-123			14.8	20
1,3,5-Trimethylbenzene	0.0250	0.0220	0.0252	88.0	101	75.6-124			13.7	20
Vinyl chloride	0.0250	0.0184	0.0195	73.6	77.8	65.9-128			5.65	20
Xylenes, Total	0.0750	0.0675	0.0760	89.9	101	78.7-121			11.9	20
o-Xylene	0.0250	0.0228	0.0266	91.4	106	77.6-122			15.1	20
m&p-Xylenes	0.0500	0.0446	0.0494	89.2	98.8	78.8-121			10.2	20
(S) Toluene-d8				106	107	88.5-111				
(S) Dibromofluoromethane				99.1	100	78.3-121				
(S) 4-Bromofluorobenzene				102	109	71.0-126				

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc

L760264-19 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 04/24/15 08:03 • (MS) 04/24/15 06:45 • (MSD) 04/24/15 07:05

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	0.00104	0.0538	0.0472	42.2	36.9	1	10.0-130			13.1	27.9
Benzene	0.0250	ND	0.0222	0.0206	88.8	82.5	1	54.3-133			7.28	20
Bromodichloromethane	0.0250	ND	0.0232	0.0255	93.0	102	1	63.9-121			9.36	20

L760264-19 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 04/24/15 08:03 • (MS) 04/24/15 06:45 • (MSD) 04/24/15 07:05

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Bromoform	0.0250	ND	0.0246	0.0243	98.5	97.2	1	59.5-134			1.38	20.5
Bromomethane	0.0250	ND	0.0176	0.0180	70.4	71.8	1	41.7-155			2.00	21.9
n-Butylbenzene	0.0250	ND	0.0252	0.0247	101	98.7	1	62.7-140			2.02	20.3
sec-Butylbenzene	0.0250	ND	0.0251	0.0244	100	97.6	1	62.2-136			2.86	20.3
Carbon disulfide	0.0250	ND	0.0222	0.0196	88.7	78.3	1	43.3-149			12.4	20.3
Carbon tetrachloride	0.0250	ND	0.0253	0.0241	101	96.3	1	55.7-134			5.07	20
Chlorobenzene	0.0250	ND	0.0250	0.0245	100	98.0	1	67.0-125			2.12	20
Chlorodibromomethane	0.0250	ND	0.0237	0.0240	94.8	96.1	1	64.3-125			1.28	20.8
Chloroethane	0.0250	ND	0.0184	0.0169	73.7	67.7	1	51.5-136			8.45	40
Chloroform	0.0250	0.000807	0.0226	0.0218	87.3	83.9	1	63.0-129			3.81	20
Chloromethane	0.0250	ND	0.0165	0.0232	65.9	92.8	1	42.4-135		J3	33.9	20
1,2-Dibromoethane	0.0250	ND	0.0228	0.0229	91.1	91.4	1	67.1-125			0.370	20
1,1-Dichloroethane	0.0250	ND	0.0235	0.0217	93.8	86.7	1	58.5-132			7.90	20
1,2-Dichloroethane	0.0250	ND	0.0227	0.0245	90.6	97.8	1	60.0-126			7.62	20
1,1-Dichloroethene	0.0250	ND	0.0234	0.0228	93.6	91.1	1	51.1-140			2.75	20.2
cis-1,2-Dichloroethene	0.0250	ND	0.0213	0.0198	85.3	79.0	1	59.2-129			7.62	20
trans-1,2-Dichloroethene	0.0250	ND	0.0229	0.0193	91.5	77.1	1	56.5-129			17.1	20
1,2-Dichloropropane	0.0250	ND	0.0243	0.0277	97.4	111	1	64.2-123			12.9	20
cis-1,3-Dichloropropene	0.0250	ND	0.0237	0.0262	94.8	105	1	66.4-125			10.1	20
trans-1,3-Dichloropropene	0.0250	ND	0.0206	0.0236	82.4	94.2	1	64.1-128			13.4	20
Ethylbenzene	0.0250	ND	0.0250	0.0253	100	101	1	61.4-133			0.870	20
2-Hexanone	0.125	ND	0.102	0.107	81.6	85.7	1	43.3-137			4.82	25.5
Isopropylbenzene	0.0250	ND	0.0252	0.0246	101	98.3	1	66.8-141			2.34	20
p-Isopropyltoluene	0.0250	ND	0.0250	0.0248	100	99.2	1	63.2-139			1.02	20.4
2-Butanone (MEK)	0.125	ND	0.0922	0.0860	73.8	68.8	1	22.4-138			7.01	27
Methylene Chloride	0.0250	0.000335	0.0231	0.0184	90.9	72.2	1	58.1-122		J3	22.6	20
4-Methyl-2-pentanone (MIBK)	0.125	ND	0.113	0.132	90.1	106	1	60.8-140			15.9	25.1
Methyl tert-butyl ether	0.0250	ND	0.0208	0.0199	83.3	79.5	1	57.7-134			4.72	20
Naphthalene	0.0250	ND	0.0221	0.0228	88.3	91.1	1	58.0-135			3.13	25.5
n-Propylbenzene	0.0250	ND	0.0254	0.0250	101	100	1	65.9-131			1.30	20
Styrene	0.0250	ND	0.0243	0.0243	97.2	97.0	1	66.8-133			0.160	20
1,1,1,2-Tetrachloroethane	0.0250	ND	0.0239	0.0236	95.7	94.4	1	64.0-128			1.32	20
1,1,2,2-Tetrachloroethane	0.0250	ND	0.0227	0.0220	90.6	88.0	1	56.0-132			2.91	22.2
Tetrachloroethene	0.0250	ND	0.0261	0.0247	105	98.6	1	53.0-139			5.81	20
Toluene	0.0250	ND	0.0235	0.0258	94.2	103	1	61.4-130			8.97	20
1,1,1-Trichloroethane	0.0250	ND	0.0231	0.0240	92.4	95.8	1	58.7-134			3.66	20
1,1,2-Trichloroethane	0.0250	ND	0.0219	0.0218	87.8	87.1	1	66.3-125			0.730	20
Trichloroethene	0.0250	ND	0.0241	0.0250	96.5	99.9	1	44.1-149			3.47	20
1,2,4-Trimethylbenzene	0.0250	ND	0.0237	0.0232	94.7	92.7	1	57.4-137			2.07	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc



L760264-19 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 04/24/15 08:03 • (MS) 04/24/15 06:45 • (MSD) 04/24/15 07:05

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
1,3,5-Trimethylbenzene	0.0250	ND	0.0243	0.0239	97.3	95.8	1	63.6-132			1.56	20.5
Vinyl chloride	0.0250	ND	0.0174	0.0169	69.7	67.8	1	47.8-137			2.78	20
Xylenes, Total	0.0750	ND	0.0749	0.0738	99.8	98.4	1	63.3-131			1.42	20
o-Xylene	0.0250	ND	0.0250	0.0251	100	100	1	63.3-130			0.260	20
m&p-Xylenes	0.0500	ND	0.0499	0.0487	99.7	97.5	1	61.7-133			2.27	20
(S) Toluene-d8					108	119		88.5-111		J1		
(S) Dibromofluoromethane					100	100		78.3-121				
(S) 4-Bromofluorobenzene					103	104		71.0-126				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Method Blank (MB)

(MB) 04/26/15 21:28

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acetone	U		0.0100	0.0500
Benzene	U		0.000331	0.00100
Bromodichloromethane	U		0.000380	0.00100
Bromoform	U		0.000469	0.00100
Bromomethane	U		0.000866	0.00500
n-Butylbenzene	U		0.000361	0.00100
sec-Butylbenzene	U		0.000365	0.00100
Carbon disulfide	U		0.000275	0.00100
Carbon tetrachloride	U		0.000379	0.00100
Chlorobenzene	U		0.000348	0.00100
Chlorodibromomethane	U		0.000327	0.00100
Chloroethane	U		0.000453	0.00500
Chloroform	U		0.000324	0.00500
Chloromethane	U		0.000276	0.00250
1,2-Dibromoethane	U		0.000381	0.00100
1,1-Dichloroethane	U		0.000259	0.00100
1,2-Dichloroethane	U		0.000361	0.00100
1,1-Dichloroethene	U		0.000398	0.00100
cis-1,2-Dichloroethene	U		0.000260	0.00100
trans-1,2-Dichloroethene	U		0.000396	0.00100
1,2-Dichloropropane	U		0.000306	0.00100
cis-1,3-Dichloropropene	U		0.000418	0.00100
trans-1,3-Dichloropropene	U		0.000419	0.00100
Ethylbenzene	U		0.000384	0.00100
2-Hexanone	U		0.00382	0.0100
Isopropylbenzene	U		0.000326	0.00100
p-Isopropyltoluene	U		0.000350	0.00100
2-Butanone (MEK)	U		0.00393	0.0100
Methylene Chloride	U		0.00100	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.00214	0.0100
Methyl tert-butyl ether	U		0.000367	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.000349	0.00100
Styrene	U		0.000307	0.00100
1,1,1,2-Tetrachloroethane	U		0.000385	0.00100
1,1,2,2-Tetrachloroethane	U		0.000130	0.00100
Tetrachloroethene	U		0.000372	0.00100
Toluene	U		0.000780	0.00500
1,1,1-Trichloroethane	U		0.000319	0.00100

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) 04/26/15 21:28

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
1,1,2-Trichloroethane	U		0.000383	0.00100
Trichloroethene	U		0.000398	0.00100
1,2,4-Trimethylbenzene	U		0.000373	0.00100
1,3,5-Trimethylbenzene	U		0.000387	0.00100
Vinyl chloride	U		0.000259	0.00100
Xylenes, Total	U		0.00106	0.00300
o-Xylene	U		0.000341	0.00100
m&p-Xylenes	U		0.000719	0.00200
(S) Toluene-d8	105			88.5-111
(S) Dibromofluoromethane	107			78.3-121
(S) 4-Bromofluorobenzene	111			71.0-126

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

(LCS) 04/26/15 20:07 • (LCSD) 04/26/15 20:28

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	0.128	0.133	102	106	35.6-163			4.01	23.9
Benzene	0.0250	0.0245	0.0246	97.9	98.5	74.8-121			0.670	20
Bromodichloromethane	0.0250	0.0242	0.0236	97.0	94.4	75.1-116			2.64	20
Bromoform	0.0250	0.0246	0.0236	98.3	94.4	67.5-130			4.00	20
Bromomethane	0.0250	0.0209	0.0217	83.5	86.8	49.9-162			3.92	20
n-Butylbenzene	0.0250	0.0218	0.0212	87.3	85.0	76.2-126			2.76	20
sec-Butylbenzene	0.0250	0.0233	0.0223	93.4	89.1	74.4-127			4.66	20
Carbon disulfide	0.0250	0.0196	0.0196	78.5	78.5	64.6-140			0.0700	20
Carbon tetrachloride	0.0250	0.0256	0.0254	102	102	70.2-123			0.880	20
Chlorobenzene	0.0250	0.0236	0.0227	94.5	90.6	78.1-119			4.21	20
Chlorodibromomethane	0.0250	0.0245	0.0238	98.0	95.2	74.0-121			2.86	20
Chloroethane	0.0250	0.0221	0.0222	88.4	88.7	61.7-135			0.310	20
Chloroform	0.0250	0.0261	0.0261	105	104	76.0-121			0.300	20
Chloromethane	0.0250	0.0205	0.0209	81.9	83.7	61.5-129			2.25	20
1,2-Dibromoethane	0.0250	0.0230	0.0223	92.1	89.1	76.6-121			3.40	20
1,1-Dichloroethane	0.0250	0.0261	0.0261	104	104	70.7-126			0.0100	20
1,2-Dichloroethane	0.0250	0.0261	0.0262	104	105	68.8-124			0.170	20
1,1-Dichloroethene	0.0250	0.0251	0.0251	100	101	67.8-129			0.180	20
cis-1,2-Dichloroethene	0.0250	0.0248	0.0242	99.3	96.9	76.0-119			2.49	20
trans-1,2-Dichloroethene	0.0250	0.0228	0.0229	91.0	91.5	72.6-121			0.460	20
1,2-Dichloropropane	0.0250	0.0256	0.0248	102	99.2	76.5-119			3.07	20

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

(LCS) 04/26/15 20:07 • (LCSD) 04/26/15 20:28

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
cis-1,3-Dichloropropene	0.0250	0.0240	0.0235	96.2	94.1	78.2-120			2.20	20
trans-1,3-Dichloropropene	0.0250	0.0241	0.0237	96.2	94.9	74.3-123			1.40	20
Ethylbenzene	0.0250	0.0237	0.0224	94.9	89.7	78.8-122			5.60	20
2-Hexanone	0.125	0.134	0.133	108	106	65.6-144			1.48	20
Isopropylbenzene	0.0250	0.0230	0.0219	92.1	87.8	78.6-132			4.78	20
p-Isopropyltoluene	0.0250	0.0236	0.0221	94.6	88.3	74.0-131			6.79	20
2-Butanone (MEK)	0.125	0.134	0.139	107	111	55.0-149			3.24	20
Methylene Chloride	0.0250	0.0251	0.0256	100	102	70.3-120			2.07	20
4-Methyl-2-pentanone (MIBK)	0.125	0.130	0.131	104	105	70.5-133			0.960	20
Methyl tert-butyl ether	0.0250	0.0269	0.0268	108	107	71.2-126			0.350	20
Naphthalene	0.0250	0.0211	0.0211	84.4	84.5	68.4-128			0.120	20
n-Propylbenzene	0.0250	0.0236	0.0222	94.3	88.8	78.2-122			5.95	20
Styrene	0.0250	0.0241	0.0231	96.4	92.3	80.4-126			4.35	20
1,1,1,2-Tetrachloroethane	0.0250	0.0224	0.0213	89.5	85.0	74.2-124			5.15	20
1,1,2,2-Tetrachloroethane	0.0250	0.0270	0.0260	108	104	70.7-122			3.58	20
Tetrachloroethene	0.0250	0.0222	0.0209	88.7	83.4	72.6-126			6.10	20
Toluene	0.0250	0.0236	0.0233	94.4	93.3	79.7-116			1.16	20
1,1,1-Trichloroethane	0.0250	0.0258	0.0257	103	103	73.2-123			0.390	20
1,1,2-Trichloroethane	0.0250	0.0238	0.0226	95.4	90.2	77.7-118			5.55	20
Trichloroethene	0.0250	0.0236	0.0228	94.2	91.3	77.7-118			3.16	20
1,2,4-Trimethylbenzene	0.0250	0.0227	0.0217	90.9	86.7	75.0-123			4.69	20
1,3,5-Trimethylbenzene	0.0250	0.0238	0.0224	95.3	89.6	75.6-124			6.22	20
Vinyl chloride	0.0250	0.0219	0.0213	87.6	85.1	65.9-128			2.95	20
Xylenes, Total	0.0750	0.0697	0.0667	92.9	88.9	78.7-121			4.41	20
o-Xylene	0.0250	0.0237	0.0228	94.8	91.2	77.6-122			3.91	20
m&p-Xylenes	0.0500	0.0460	0.0439	92.0	87.8	78.8-121			4.67	20
(S) Toluene-d8				105	106	88.5-111				
(S) Dibromofluoromethane				102	107	78.3-121				
(S) 4-Bromofluorobenzene				108	103	71.0-126				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

L760264-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 04/26/15 22:09 • (MS) 04/26/15 22:29 • (MSD) 04/26/15 22:49

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	0.0397	0.168	0.146	103	85.1	1	10.0-130			14.1	27.9
Benzene	0.0250	0.0127	0.0384	0.0344	103	86.9	1	54.3-133			11.0	20
Bromodichloromethane	0.0250	ND	0.0255	0.0238	102	95.2	1	63.9-121			6.89	20



L760264-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 04/26/15 22:09 • (MS) 04/26/15 22:29 • (MSD) 04/26/15 22:49

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Bromoform	0.0250	ND	0.0246	0.0221	98.4	88.2	1	59.5-134			10.9	20.5
Bromomethane	0.0250	ND	0.0133	0.0123	53.4	49.0	1	41.7-155			8.48	21.9
n-Butylbenzene	0.0250	ND	0.0225	0.0199	90.1	79.8	1	62.7-140			12.2	20.3
sec-Butylbenzene	0.0250	0.00249	0.0263	0.0230	95.1	81.9	1	62.2-136			13.4	20.3
Carbon disulfide	0.0250	0.00178	0.0266	0.0251	99.2	93.3	1	43.3-149			5.68	20.3
Carbon tetrachloride	0.0250	ND	0.0270	0.0237	108	94.7	1	55.7-134			13.0	20
Chlorobenzene	0.0250	ND	0.0245	0.0217	97.9	86.8	1	67.0-125			12.1	20
Chlorodibromomethane	0.0250	ND	0.0252	0.0227	101	91.0	1	64.3-125			10.3	20.8
Chloroethane	0.0250	ND	0.0237	0.0216	94.9	86.3	1	51.5-136			9.54	40
Chloroform	0.0250	ND	0.0292	0.0264	117	105	1	63.0-129			10.1	20
Chloromethane	0.0250	ND	0.0154	0.0147	61.7	58.9	1	42.4-135			4.63	20
1,2-Dibromoethane	0.0250	ND	0.0251	0.0225	100	90.0	1	67.1-125			10.9	20
1,1-Dichloroethane	0.0250	ND	0.0285	0.0259	114	103	1	58.5-132			9.83	20
1,2-Dichloroethane	0.0250	0.000376	0.0298	0.0264	118	104	1	60.0-126			12.2	20
1,1-Dichloroethene	0.0250	ND	0.0271	0.0242	108	96.6	1	51.1-140			11.6	20.2
cis-1,2-Dichloroethene	0.0250	ND	0.0265	0.0245	106	98.0	1	59.2-129			7.86	20
trans-1,2-Dichloroethene	0.0250	ND	0.0245	0.0220	98.0	88.1	1	56.5-129			10.6	20
1,2-Dichloropropane	0.0250	ND	0.0272	0.0253	109	101	1	64.2-123			7.32	20
cis-1,3-Dichloropropene	0.0250	ND	0.0234	0.0217	93.8	86.7	1	66.4-125			7.88	20
trans-1,3-Dichloropropene	0.0250	ND	0.0262	0.0241	105	96.4	1	64.1-128			8.20	20
Ethylbenzene	0.0250	0.000627	0.0245	0.0220	95.6	85.5	1	61.4-133			10.8	20
2-Hexanone	0.125	ND	0.145	0.131	116	105	1	43.3-137			9.92	25.5
Isopropylbenzene	0.0250	0.0148	0.0365	0.0324	86.8	70.4	1	66.8-141			12.0	20
p-Isopropyltoluene	0.0250	ND	0.0238	0.0211	95.3	84.6	1	63.2-139			12.0	20.4
2-Butanone (MEK)	0.125	0.00208	0.153	0.138	121	109	1	22.4-138			10.2	27
Methylene Chloride	0.0250	ND	0.0274	0.0249	109	99.4	1	58.1-122			9.64	20
4-Methyl-2-pentanone (MIBK)	0.125	0.000866	0.147	0.134	117	106	1	60.8-140			9.76	25.1
Methyl tert-butyl ether	0.0250	ND	0.0300	0.0277	120	111	1	57.7-134			7.81	20
Naphthalene	0.0250	0.000600	0.0238	0.0220	92.7	85.6	1	58.0-135			7.69	25.5
n-Propylbenzene	0.0250	0.00228	0.0257	0.0229	93.9	82.4	1	65.9-131			11.8	20
Styrene	0.0250	ND	0.0246	0.0222	98.4	88.7	1	66.8-133			10.4	20
1,1,1,2-Tetrachloroethane	0.0250	ND	0.0226	0.0205	90.4	82.1	1	64.0-128			9.64	20
1,1,2,2-Tetrachloroethane	0.0250	0.000307	0.0312	0.0286	124	113	1	56.0-132			8.80	22.2
Tetrachloroethene	0.0250	ND	0.0227	0.0199	90.8	79.4	1	53.0-139			13.4	20
Toluene	0.0250	0.000446	0.0248	0.0229	97.3	89.7	1	61.4-130			8.01	20
1,1,1-Trichloroethane	0.0250	ND	0.0283	0.0252	113	101	1	58.7-134			11.9	20
1,1,2-Trichloroethane	0.0250	ND	0.0264	0.0242	106	96.7	1	66.3-125			8.73	20
Trichloroethene	0.0250	ND	0.0235	0.0215	94.1	86.1	1	44.1-149			8.89	20
1,2,4-Trimethylbenzene	0.0250	0.000879	0.0239	0.0213	92.3	81.6	1	57.4-137			11.8	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc



L760264-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 04/26/15 22:09 • (MS) 04/26/15 22:29 • (MSD) 04/26/15 22:49

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
1,3,5-Trimethylbenzene	0.0250	ND	0.0242	0.0215	96.8	86.1	1	63.6-132			11.7	20.5
Vinyl chloride	0.0250	ND	0.0215	0.0191	86.0	76.4	1	47.8-137			11.8	20
Xylenes, Total	0.0750	0.00280	0.0739	0.0656	94.8	83.7	1	63.3-131			12.0	20
o-Xylene	0.0250	ND	0.0241	0.0214	96.5	85.7	1	63.3-130			11.8	20
m&p-Xylenes	0.0500	0.00280	0.0498	0.0441	94.0	82.7	1	61.7-133			12.1	20
(S) Toluene-d8					104	106		88.5-111				
(S) Dibromofluoromethane					109	108		78.3-121				
(S) 4-Bromofluorobenzene					106	104		71.0-126				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc



Method Blank (MB)

(MB) 04/29/15 21:37

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acetone	U		0.0100	0.0500
Benzene	U		0.000331	0.00100
Bromodichloromethane	U		0.000380	0.00100
Bromoform	U		0.000469	0.00100
Bromomethane	U		0.000866	0.00500
n-Butylbenzene	U		0.000361	0.00100
sec-Butylbenzene	U		0.000365	0.00100
Carbon disulfide	U		0.000275	0.00100
Carbon tetrachloride	U		0.000379	0.00100
Chlorobenzene	U		0.000348	0.00100
Chlorodibromomethane	U		0.000327	0.00100
Chloroethane	U		0.000453	0.00500
Chloroform	U		0.000324	0.00500
Chloromethane	U		0.000276	0.00250
1,2-Dibromoethane	U		0.000381	0.00100
1,1-Dichloroethane	U		0.000259	0.00100
1,2-Dichloroethane	U		0.000361	0.00100
1,1-Dichloroethene	U		0.000398	0.00100
cis-1,2-Dichloroethene	U		0.000260	0.00100
trans-1,2-Dichloroethene	U		0.000396	0.00100
1,2-Dichloropropane	U		0.000306	0.00100
cis-1,3-Dichloropropene	U		0.000418	0.00100
trans-1,3-Dichloropropene	U		0.000419	0.00100
Ethylbenzene	U		0.000384	0.00100
2-Hexanone	U		0.00382	0.0100
Isopropylbenzene	U		0.000326	0.00100
p-Isopropyltoluene	U		0.000350	0.00100
2-Butanone (MEK)	U		0.00393	0.0100
Methylene Chloride	U		0.00100	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.00214	0.0100
Methyl tert-butyl ether	U		0.000367	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.000349	0.00100
Styrene	U		0.000307	0.00100
1,1,1,2-Tetrachloroethane	U		0.000385	0.00100
1,1,2,2-Tetrachloroethane	U		0.000130	0.00100
Tetrachloroethene	U		0.000372	0.00100
Toluene	U		0.000780	0.00500
1,1,1-Trichloroethane	U		0.000319	0.00100

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc



Method Blank (MB)

(MB) 04/29/15 21:37

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
1,1,2-Trichloroethane	U		0.000383	0.00100
Trichloroethene	0.000789		0.000398	0.00100
1,2,4-Trimethylbenzene	U		0.000373	0.00100
1,3,5-Trimethylbenzene	U		0.000387	0.00100
Vinyl chloride	U		0.000259	0.00100
Xylenes, Total	U		0.00106	0.00300
o-Xylene	U		0.000341	0.00100
m&p-Xylenes	U		0.000719	0.00200
(S) Toluene-d8	105			88.5-111
(S) Dibromofluoromethane	107			78.3-121
(S) 4-Bromofluorobenzene	111			71.0-126

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

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

(LCS) 04/29/15 20:39 • (LCSD) 04/29/15 20:58

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	0.104	0.0993	83.3	79.5	35.6-163			4.74	23.9
Benzene	0.0250	0.0242	0.0235	97.0	93.9	74.8-121			3.24	20
Bromodichloromethane	0.0250	0.0270	0.0264	108	106	75.1-116			2.26	20
Bromoform	0.0250	0.0277	0.0249	111	99.4	67.5-130			10.9	20
Bromomethane	0.0250	0.0211	0.0208	84.4	83.1	49.9-162			1.47	20
n-Butylbenzene	0.0250	0.0270	0.0270	108	108	76.2-126			0.0800	20
sec-Butylbenzene	0.0250	0.0264	0.0245	105	98.0	74.4-127			7.29	20
Carbon disulfide	0.0250	0.0249	0.0246	99.6	98.2	64.6-140			1.42	20
Carbon tetrachloride	0.0250	0.0299	0.0291	120	116	70.2-123			2.70	20
Chlorobenzene	0.0250	0.0265	0.0241	106	96.4	78.1-119			9.45	20
Chlorodibromomethane	0.0250	0.0268	0.0246	107	98.4	74.0-121			8.42	20
Chloroethane	0.0250	0.0228	0.0209	91.0	83.7	61.7-135			8.36	20
Chloroform	0.0250	0.0264	0.0250	106	100	76.0-121			5.40	20
Chloromethane	0.0250	0.0236	0.0233	94.4	93.3	61.5-129			1.14	20
1,2-Dibromoethane	0.0250	0.0238	0.0243	95.1	97.1	76.6-121			2.05	20
1,1-Dichloroethane	0.0250	0.0260	0.0254	104	101	70.7-126			2.43	20
1,2-Dichloroethane	0.0250	0.0279	0.0282	112	113	68.8-124			0.820	20
1,1-Dichloroethene	0.0250	0.0283	0.0268	113	107	67.8-129			5.62	20
cis-1,2-Dichloroethene	0.0250	0.0234	0.0226	93.7	90.3	76.0-119			3.76	20
trans-1,2-Dichloroethene	0.0250	0.0243	0.0254	97.2	102	72.6-121			4.50	20
1,2-Dichloropropane	0.0250	0.0249	0.0257	99.5	103	76.5-119			3.34	20

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

(LCS) 04/29/15 20:39 • (LCSD) 04/29/15 20:58

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
cis-1,3-Dichloropropene	0.0250	0.0264	0.0262	106	105	78.2-120			0.920	20
trans-1,3-Dichloropropene	0.0250	0.0238	0.0234	95.4	93.8	74.3-123			1.70	20
Ethylbenzene	0.0250	0.0278	0.0260	111	104	78.8-122			6.67	20
2-Hexanone	0.125	0.120	0.112	95.7	89.2	65.6-144			7.02	20
Isopropylbenzene	0.0250	0.0263	0.0243	105	97.2	78.6-132			7.78	20
p-Isopropyltoluene	0.0250	0.0265	0.0241	106	96.3	74.0-131			9.71	20
2-Butanone (MEK)	0.125	0.114	0.120	91.4	96.3	55.0-149			5.17	20
Methylene Chloride	0.0250	0.0243	0.0254	97.3	102	70.3-120			4.39	20
4-Methyl-2-pentanone (MIBK)	0.125	0.115	0.114	92.2	91.6	70.5-133			0.630	20
Methyl tert-butyl ether	0.0250	0.0251	0.0240	101	96.1	71.2-126			4.54	20
Naphthalene	0.0250	0.0230	0.0230	92.1	92.1	68.4-128			0.0400	20
n-Propylbenzene	0.0250	0.0274	0.0258	110	103	78.2-122			6.02	20
Styrene	0.0250	0.0257	0.0244	103	97.6	80.4-126			5.23	20
1,1,1,2-Tetrachloroethane	0.0250	0.0269	0.0239	108	95.5	74.2-124			11.9	20
1,1,2,2-Tetrachloroethane	0.0250	0.0239	0.0217	95.6	86.8	70.7-122			9.68	20
Tetrachloroethene	0.0250	0.0276	0.0267	110	107	72.6-126			3.36	20
Toluene	0.0250	0.0251	0.0260	101	104	79.7-116			3.40	20
1,1,1-Trichloroethane	0.0250	0.0294	0.0276	118	110	73.2-123			6.34	20
1,1,2-Trichloroethane	0.0250	0.0218	0.0221	87.0	88.5	77.7-118			1.64	20
Trichloroethene	0.0250	0.0286	0.0261	115	104	77.7-118			9.41	20
1,2,4-Trimethylbenzene	0.0250	0.0250	0.0241	99.9	96.2	75.0-123			3.79	20
1,3,5-Trimethylbenzene	0.0250	0.0273	0.0246	109	98.4	75.6-124			10.4	20
Vinyl chloride	0.0250	0.0232	0.0216	92.6	86.5	65.9-128			6.84	20
Xylenes, Total	0.0750	0.0796	0.0742	106	99.0	78.7-121			7.03	20
o-Xylene	0.0250	0.0268	0.0245	107	98.2	77.6-122			8.82	20
m&p-Xylenes	0.0500	0.0528	0.0497	106	99.4	78.8-121			6.13	20
(S) Toluene-d8				107	108	88.5-111				
(S) Dibromofluoromethane				109	106	78.3-121				
(S) 4-Bromofluorobenzene				110	103	71.0-126				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

L760764-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 04/29/15 23:22 • (MS) 04/29/15 22:04 • (MSD) 04/29/15 22:24

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	ND	0.0635	0.0712	50.8	57.0	1	10.0-130			11.4	27.9
Benzene	0.0250	ND	0.0242	0.0250	96.9	100	1	54.3-133			3.26	20
Bromodichloromethane	0.0250	ND	0.0287	0.0278	115	111	1	63.9-121			3.20	20

L760764-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 04/29/15 23:22 • (MS) 04/29/15 22:04 • (MSD) 04/29/15 22:24

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Bromoform	0.0250	ND	0.0271	0.0292	108	117	1	59.5-134			7.38	20.5
Bromomethane	0.0250	ND	0.0217	0.0230	86.9	92.0	1	41.7-155			5.74	21.9
n-Butylbenzene	0.0250	ND	0.0248	0.0253	99.4	101	1	62.7-140			1.96	20.3
sec-Butylbenzene	0.0250	ND	0.0242	0.0260	96.9	104	1	62.2-136			7.18	20.3
Carbon disulfide	0.0250	ND	0.0244	0.0242	97.6	96.6	1	43.3-149			1.01	20.3
Carbon tetrachloride	0.0250	ND	0.0292	0.0295	117	118	1	55.7-134			1.05	20
Chlorobenzene	0.0250	ND	0.0247	0.0271	98.9	108	1	67.0-125			9.00	20
Chlorodibromomethane	0.0250	ND	0.0245	0.0266	97.8	106	1	64.3-125			8.37	20.8
Chloroethane	0.0250	ND	0.0209	0.0221	83.7	88.5	1	51.5-136			5.61	40
Chloroform	0.0250	ND	0.0265	0.0265	106	106	1	63.0-129			0.250	20
Chloromethane	0.0250	ND	0.0241	0.0234	96.4	93.4	1	42.4-135			3.17	20
1,2-Dibromoethane	0.0250	ND	0.0238	0.0253	95.3	101	1	67.1-125			5.80	20
1,1-Dichloroethane	0.0250	ND	0.0266	0.0267	106	107	1	58.5-132			0.660	20
1,2-Dichloroethane	0.0250	ND	0.0289	0.0304	116	122	1	60.0-126			4.88	20
1,1-Dichloroethene	0.0250	ND	0.0288	0.0277	115	111	1	51.1-140			4.09	20.2
cis-1,2-Dichloroethene	0.0250	ND	0.0227	0.0241	91.0	96.4	1	59.2-129			5.84	20
trans-1,2-Dichloroethene	0.0250	ND	0.0246	0.0244	98.4	97.6	1	56.5-129			0.850	20
1,2-Dichloropropane	0.0250	ND	0.0268	0.0274	107	109	1	64.2-123			2.28	20
cis-1,3-Dichloropropene	0.0250	ND	0.0260	0.0256	104	102	1	66.4-125			1.61	20
trans-1,3-Dichloropropene	0.0250	ND	0.0220	0.0232	87.9	92.8	1	64.1-128			5.43	20
Ethylbenzene	0.0250	ND	0.0259	0.0269	104	107	1	61.4-133			3.47	20
2-Hexanone	0.125	ND	0.106	0.126	84.4	100	1	43.3-137			17.3	25.5
Isopropylbenzene	0.0250	ND	0.0243	0.0263	97.3	105	1	66.8-141			7.79	20
p-Isopropyltoluene	0.0250	ND	0.0226	0.0249	90.4	99.7	1	63.2-139			9.75	20.4
2-Butanone (MEK)	0.125	ND	0.100	0.111	80.0	88.7	1	22.4-138			10.4	27
Methylene Chloride	0.0250	ND	0.0246	0.0262	98.2	105	1	58.1-122			6.48	20
4-Methyl-2-pentanone (MIBK)	0.125	ND	0.124	0.130	99.1	104	1	60.8-140			4.95	25.1
Methyl tert-butyl ether	0.0250	ND	0.0253	0.0263	101	105	1	57.7-134			3.91	20
Naphthalene	0.0250	0.000317	0.0221	0.0258	87.3	102	1	58.0-135			15.2	25.5
n-Propylbenzene	0.0250	ND	0.0242	0.0266	96.9	106	1	65.9-131			9.25	20
Styrene	0.0250	ND	0.0242	0.0256	96.9	103	1	66.8-133			5.67	20
1,1,1,2-Tetrachloroethane	0.0250	ND	0.0252	0.0264	101	106	1	64.0-128			4.75	20
1,1,2,2-Tetrachloroethane	0.0250	ND	0.0231	0.0249	92.4	99.6	1	56.0-132			7.53	22.2
Tetrachloroethene	0.0250	ND	0.0244	0.0270	97.6	108	1	53.0-139			10.1	20
Toluene	0.0250	ND	0.0252	0.0254	101	101	1	61.4-130			0.690	20
1,1,1-Trichloroethane	0.0250	ND	0.0284	0.0293	114	117	1	58.7-134			3.09	20
1,1,2-Trichloroethane	0.0250	ND	0.0218	0.0246	87.2	98.3	1	66.3-125			12.0	20
Trichloroethene	0.0250	0.000558	0.0259	0.0258	101	101	1	44.1-149			0.550	20
1,2,4-Trimethylbenzene	0.0250	ND	0.0229	0.0243	91.4	97.3	1	57.4-137			6.23	20

1

Cp

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Tc

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Ss

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Cn

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Sr

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Qc

7

Gl

8

Al

9

Sc



L760764-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 04/29/15 23:22 • (MS) 04/29/15 22:04 • (MSD) 04/29/15 22:24

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
1,3,5-Trimethylbenzene	0.0250	ND	0.0231	0.0268	92.4	107	1	63.6-132			14.9	20.5
Vinyl chloride	0.0250	ND	0.0227	0.0225	90.9	90.0	1	47.8-137			1.02	20
Xylenes, Total	0.0750	ND	0.0704	0.0771	93.9	103	1	63.3-131			9.05	20
o-Xylene	0.0250	ND	0.0248	0.0256	99.1	102	1	63.3-130			3.33	20
m&p-Xylenes	0.0500	ND	0.0456	0.0515	91.3	103	1	61.7-133			12.0	20
(S) Toluene-d8					109	107		88.5-111				
(S) Dibromofluoromethane					108	106		78.3-121				
(S) 4-Bromofluorobenzene					99.2	107		71.0-126				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc



Method Blank (MB)

(MB) 04/23/15 10:27

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) High Fraction	U		0.0247	0.100
(S) o-Terphenyl	112			50.0-150

1
Cp

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Tc

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Ss

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Cn

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Sr

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Qc

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Gl

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Al

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Sc

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

(LCS) 04/23/15 10:46 • (LCSD) 04/23/15 11:04

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) High Fraction	1.50	1.59	1.64	106	110	50.0-150			3.57	20
(S) o-Terphenyl				115	114	50.0-150				



Abbreviations and Definitions

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

Qualifier Description

B	The same analyte is found in the associated blank.
J	The identification of the analyte is acceptable; the reported value is an estimate.
J1	Surrogate recovery limits have been exceeded; values are outside upper control limits.
J3	The associated batch QC was outside the established quality control range for precision.
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.
O1	The analyte failed the method required serial dilution test and/or subsequent post-spike criteria. These failures indicate matrix interference.
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		

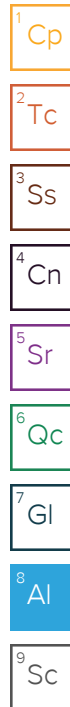
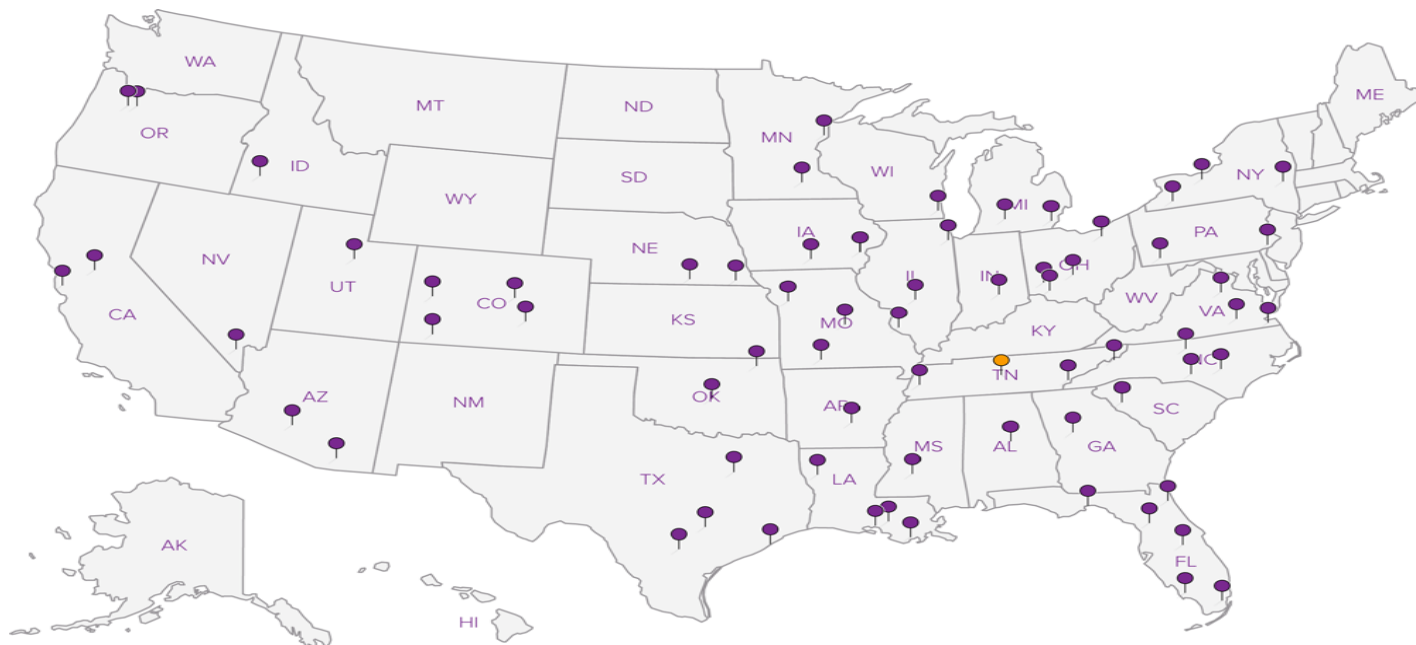
¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold ^{n/a} Accreditation not applicable

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.**



ARCADIS, Inc.
2929 Briarpark Drive,
Suite 300
Houston, TX 77042

Billing Information:

Report to: Pam Krueger

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

Project Navajo Refining Company

City/State Artesia, NM
Collected:

Phone: 713-953-4816
Fax: 713-977-4620

REST TX000836.0007.15006

Lab Project # ARCADHTX-
NAVAJO FULL

Collected by (print):
Scott Ude + Hm

Site/Facility ID #

P.O. #

Collected by (signature):
Scott Ude

Rush? (Lab MUST Be
Notified)

Date Results Needed

Immediately Iced?
N ☐ Y ☒

Next Day100%
Two Day50%
Three Day25%

Email? ☐ No ☐ Yes
FAX? ☐ No ☐ Yes

No.
of
Cntr

Sample ID	Comp/ Grab	Matrix *	Depth	Date	Time	No. of Cntr	DRO 8015	GRO 8015	Volatiles 8260 (Extended List)	Total Metals: As, Ba, Cr, Fe, Pb, Mn, Se	Total Metals: As, Ba, Cr, Fe, Pb, Mn, Ni, Se, V, Hg	Dis Metals: (FFiltered) As, Ba, Cr, Fe, Pb, Mn, Se	Dis Metals: (FFiltered) As, Ba, Cr, Fe, Pb, Mn, Ni, Se, V	Cyanide	Anions: Chloride, Fluoride, Sulfate	Cations: Ca, K, Na (from Total Metals container)	NO2/NO3	TDS
MW-28	G	GW		4/16/15	1400	13	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
MW-59					1510	12	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
MW-60					1610	13	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
MW-107					1250	12	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
MW-128					1145	12	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
MW-125					1035	12	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
MW-116					945	12	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
MW-115					950	12	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
MW-114					1045	12	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
RW-#156	✓	✓					✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Analysis / Container / Preservative

Chain of Custody Page 1 of 34

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

YOUR LAB OF CHOICE

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



L# L760264

Ta K178

Acctnum: ARCADHTX

Template: T101472

Prelogin:

TSR: Pam Langford

PB:

Shipped Via:

Remarks/Comments Sample # (lab only)

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

NO SAMPLE
(LAPL)

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

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Hold #

Relinquished by: (Signature)

Date:

Time:

Received by: (Signature)

Samples returned via: ☐ UPS

☒ FedEx ☐ Courier ☐

Condition: (lab use only)

Relinquished by: (Signature)

Date:

Time:

Received by: (Signature)

Temp: °C

235

COC Seal Intact:

Y N NA

Relinquished by: (Signature)

Date:

Time:

Received by: (Signature)

Date:

0900

pH Checked:

NCF:

L2 712

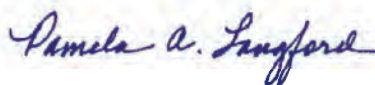
ARCADIS, Inc. 2929 Briarpark Drive, Suite 300 Houston, TX 77042				Billing Information:				Analysis / Containers / Preservative												Chain of Custody Page 3 of 34			
				Report to: Pam Krueger				Email To: pam.krueger@arcadis-us.com; maisha.turner@arcadis-us.com; melissa.osborne@arcadis-us.com				Project Navajo Refining Company City/State Artesia, NM Collected: Lab Project # ARCADHTX-NAVAJO FULL Site/Facility ID # P.O. # Collected by (print): <u>Scott Ude + HM</u> Collected by (signature): <u>Scott Ude</u> Immediately Iced? <u>N</u> <u>Y</u> ☒ REST TX000836.0007.15006 <u>8</u> <u>54</u> Rush? (Lab MUST Be Notified) Next Day100% Two Day50% Three Day25% Date Results Needed Email? ☐ No ☐ Yes FAX? ☐ No ☐ Yes No. of Cntr											
Phone: 713-953-4816 Fax: 713-977-4620																							
Sample ID DUP-REST-02 EB-REST-02 DUP-REST-04 EB-REST-04 Trip Blank-REST-03				Comp/Grab 6 1 1 1 1	Matrix * GW 1 1 1 1	Depth 1 1 1 1 1	Date 1 1 4/16/15 4/16/15 4/16/15	Time 1 1 1300 1650 ~	No. of Cntr 1 1 12 12 1	DRO 8015 ☒	GRO 8015 ☒	Volatiles 8260 (Extended List) ☒	Total Metals: As, Ba, Cr, Fe, Pb, Mn, Se <u>42</u> ☒	Total Metals: As, Ba, Cr, Fe, Pb, Mn, Ni, Se, V, Hg <u>42</u> ☒	Dis Metals: (FFiltered) As, Ba, Cr, Fe, Pb, Mn, Se <u>42</u> ☒	Dis Metals: (FFiltered) As, Ba, Cr, Fe, Pb, Mn, Ni, Se, V <u>42</u> ☒	Cyanide <u>712</u> ☒	Anions: Chloride, Fluoride, Sulfate ☒	Cations: Ca, K, Na (from Total Metals container) ☒	NO2/NO3 <u>42</u> ☒	TDS ☒	Remarks/Comments S4 S4 -18 -19 -20	Sample # (lab only)

* Matrix: SS - Soil GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other _____				pH _____ Temp _____ Flow _____ Other _____		Hold #	
Remarks:							
Relinquished by: (Signature) <u>Scott Ude</u>	Date: <u>4/17/15</u>	Time: <u>1600</u>	Received by: (Signature)	Samples returned via: ☐ UPS ☒ FedEx ☐ Courier ☐ _____	Condition: (lab use only) <u>OK</u> <u>M3</u>		
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: _____ °C <u>3.4</u>	COC Seal Intact: ☒ Y ☐ N ☐ NA		
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: <u>4/18/15</u>	<u>235</u> <u>0900</u>	pH Checked: <u>7.12</u>	NCF:

ARCADIS US - TX

Sample Delivery Group: L760269
Samples Received: 04/18/2015
Project Number: TX000836.0007.15008
Description: Navajo Refining Company - Artesia, NM
Site: REST
Report To: Pam Krueger
2929 Briarpark Dr., Suite 300
Houston, TX 77042

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	9
⁵Sr: Sample Results	10
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SAMPLE SUMMARY

ONE LAB. NATIONWIDE.



RW-10 L760269-01 GW

						Collected by TB/CH/BB	Collected date/time 04/16/15 15:10	Received date/time 04/18/15 09:00	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analysis Analyst				
Gravimetric Analysis by Method 2540 C-2011	WG784000	1	04/23/15 15:23	04/24/15 19:33	MF				
Metals (ICPMS) by Method 6020	WG783158	1	04/22/15 08:32	04/27/15 20:00	VSS				
Metals (ICPMS) by Method 6020	WG783446	1	04/22/15 10:34	04/29/15 01:42	LAT				
Metals (ICPMS) by Method 6020	WG783446	1	04/22/15 10:34	04/29/15 10:38	LAT				
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG783640	1	04/21/15 17:43	04/22/15 21:54	JNS				
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG784849	1	04/26/15 12:44	04/26/15 12:44	MCB				
Volatile Organic Compounds (GC/MS) by Method 8260B	WG783750	1	04/25/15 23:14	04/25/15 23:14	MCB				
Wet Chemistry by Method 353.2	WG785028	1	05/01/15 03:55	05/01/15 03:55	JAL				
Wet Chemistry by Method 9056MOD	WG784717	1	04/27/15 20:03	04/27/15 20:03	NJM				
Wet Chemistry by Method 9056MOD	WG784717	100	04/28/15 11:43	04/28/15 11:43	NJM				

MW-40 L760269-02 GW

						Collected by TB/CH/BB	Collected date/time 04/16/15 16:20	Received date/time 04/18/15 09:00	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analysis Analyst				
Gravimetric Analysis by Method 2540 C-2011	WG784000	1	04/23/15 15:23	04/24/15 19:34	MF				
Metals (ICPMS) by Method 6020	WG783158	5	04/22/15 08:32	04/27/15 12:47	LAT				
Metals (ICPMS) by Method 6020	WG783446	1	04/22/15 10:34	04/29/15 01:44	LAT				
Metals (ICPMS) by Method 6020	WG783446	1	04/22/15 10:34	04/29/15 11:06	LAT				
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG783640	1	04/21/15 17:43	04/22/15 22:13	JNS				
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG784069	1	04/23/15 21:00	04/23/15 21:00	MCB				
Volatile Organic Compounds (GC/MS) by Method 8260B	WG785673	1	04/29/15 22:35	04/29/15 22:35	MCB				
Wet Chemistry by Method 353.2	WG785028	10	05/01/15 03:56	05/01/15 03:56	JAL				
Wet Chemistry by Method 9056MOD	WG784717	1	04/27/15 20:48	04/27/15 20:48	NJM				
Wet Chemistry by Method 9056MOD	WG784717	100	04/28/15 11:58	04/28/15 11:58	NJM				

MW-41 L760269-03 GW

						Collected by TB/CH/BB	Collected date/time 04/16/15 17:35	Received date/time 04/18/15 09:00	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analysis Analyst				
Gravimetric Analysis by Method 2540 C-2011	WG784000	1	04/23/15 15:23	04/24/15 19:33	MF				
Metals (ICPMS) by Method 6020	WG783158	5	04/22/15 08:32	04/27/15 12:49	LAT				
Metals (ICPMS) by Method 6020	WG783446	1	04/22/15 10:34	04/29/15 01:47	LAT				
Metals (ICPMS) by Method 6020	WG783446	1	04/22/15 10:34	04/29/15 11:09	LAT				
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG783640	1	04/21/15 17:43	04/22/15 22:32	JNS				
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG784069	1	04/23/15 21:22	04/23/15 21:22	MCB				
Volatile Organic Compounds (GC/MS) by Method 8260B	WG785673	1	04/29/15 22:56	04/29/15 22:56	MCB				
Wet Chemistry by Method 353.2	WG785028	1	05/01/15 03:57	05/01/15 03:57	JAL				
Wet Chemistry by Method 9056MOD	WG784717	1	04/27/15 21:03	04/27/15 21:03	NJM				
Wet Chemistry by Method 9056MOD	WG784717	100	04/28/15 12:43	04/28/15 12:43	NJM				

RW-9 L760269-04 GW

						Collected by TB/CH/BB	Collected date/time 04/16/15 18:40	Received date/time 04/18/15 09:00	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analysis Analyst				
Gravimetric Analysis by Method 2540 C-2011	WG784000	1	04/23/15 15:23	04/24/15 19:35	MF				
Metals (ICPMS) by Method 6020	WG783158	1	04/22/15 08:32	04/27/15 20:02	VSS				
Metals (ICPMS) by Method 6020	WG783446	1	04/22/15 10:34	04/29/15 01:49	LAT				
Metals (ICPMS) by Method 6020	WG783446	1	04/22/15 10:34	04/29/15 11:11	LAT				
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG783640	1	04/21/15 17:43	04/22/15 22:51	JNS				
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG784069	1	04/23/15 21:44	04/23/15 21:44	MCB				
Volatile Organic Compounds (GC/MS) by Method 8260B	WG783750	50	04/26/15 00:09	04/26/15 00:09	MCB				
Wet Chemistry by Method 353.2	WG785028	10	05/01/15 03:58	05/01/15 03:58	JAL				
Wet Chemistry by Method 9056MOD	WG784717	1	04/27/15 21:17	04/27/15 21:17	NJM				

SAMPLE SUMMARY

ONE LAB. NATIONWIDE.



RW-9 L760269-04 GW

			Collected by TB/CH/BB	Collected date/time 04/16/15 18:40	Received date/time 04/18/15 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analysis Analyst
Wet Chemistry by Method 9056MOD	WG784717	100	04/28/15 12:58	04/28/15 12:58	NJM

¹ Cp

² Tc

³ Ss

MW-42 L760269-05 GW

			Collected by TB/CH/BB	Collected date/time 04/17/15 09:10	Received date/time 04/18/15 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analysis Analyst
Gravimetric Analysis by Method 2540 C-2011	WG784340	1	04/24/15 18:13	04/27/15 09:32	MF
Metals (ICPMS) by Method 6020	WG783158	5	04/22/15 08:32	04/27/15 14:27	LAT
Metals (ICPMS) by Method 6020	WG783446	1	04/22/15 10:34	04/29/15 01:52	LAT
Metals (ICPMS) by Method 6020	WG783446	1	04/22/15 10:34	04/29/15 11:14	LAT
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG783640	1	04/21/15 17:43	04/22/15 23:11	JNS
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG784069	1	04/23/15 22:06	04/23/15 22:06	MCB
Volatile Organic Compounds (GC/MS) by Method 8260B	WG783750	10	04/26/15 00:27	04/26/15 00:27	MCB
Wet Chemistry by Method 353.2	WG785028	1	05/01/15 04:03	05/01/15 04:03	JAL
Wet Chemistry by Method 9056MOD	WG784717	1	04/27/15 21:32	04/27/15 21:32	NJM
Wet Chemistry by Method 9056MOD	WG784717	100	04/28/15 13:13	04/28/15 13:13	NJM

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

RW-16 L760269-06 GW

			Collected by TB/CH/BB	Collected date/time 04/17/15 10:15	Received date/time 04/18/15 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analysis Analyst
Gravimetric Analysis by Method 2540 C-2011	WG784340	1	04/24/15 18:13	04/27/15 09:31	MF
Metals (ICPMS) by Method 6020	WG783158	5	04/22/15 08:32	04/27/15 14:30	LAT
Metals (ICPMS) by Method 6020	WG783446	1	04/22/15 10:34	04/29/15 01:55	LAT
Metals (ICPMS) by Method 6020	WG783446	1	04/22/15 10:34	04/29/15 11:17	LAT
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG783640	1	04/21/15 17:43	04/22/15 23:30	JNS
Volatile Organic Compounds (GC/MS) by Method 8260B	WG783750	1	04/26/15 00:46	04/26/15 00:46	MCB
Wet Chemistry by Method 353.2	WG785028	1	05/01/15 04:04	05/01/15 04:04	JAL
Wet Chemistry by Method 9056MOD	WG784717	1	04/27/15 21:47	04/27/15 21:47	NJM
Wet Chemistry by Method 9056MOD	WG784717	100	04/28/15 13:28	04/28/15 13:28	NJM

MW-106 L760269-07 GW

			Collected by TB/CH/BB	Collected date/time 04/17/15 08:25	Received date/time 04/18/15 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analysis Analyst
Gravimetric Analysis by Method 2540 C-2011	WG784340	1	04/24/15 18:13	04/27/15 09:27	MF
Metals (ICPMS) by Method 6020	WG783158	1	04/22/15 08:32	04/27/15 20:05	VSS
Metals (ICPMS) by Method 6020	WG783446	1	04/22/15 10:34	04/29/15 01:57	LAT
Metals (ICPMS) by Method 6020	WG783446	1	04/22/15 10:34	04/29/15 11:19	JD
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG783640	1	04/21/15 17:43	04/22/15 23:49	JNS
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG784069	1	04/23/15 22:50	04/23/15 22:50	MCB
Volatile Organic Compounds (GC/MS) by Method 8260B	WG783750	1	04/26/15 01:05	04/26/15 01:05	MCB
Volatile Organic Compounds (GC/MS) by Method 8260B	WG785673	10	04/29/15 23:17	04/29/15 23:17	MCB
Wet Chemistry by Method 353.2	WG785028	5	05/01/15 04:40	05/01/15 04:40	JAL
Wet Chemistry by Method 9056MOD	WG784717	1	04/27/15 22:02	04/27/15 22:02	NJM
Wet Chemistry by Method 9056MOD	WG784717	10	04/28/15 13:43	04/28/15 13:43	NJM

MW-39 L760269-08 GW

			Collected by TB/CH/BB	Collected date/time 04/16/15 14:00	Received date/time 04/18/15 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analysis Analyst
Gravimetric Analysis by Method 2540 C-2011	WG784000	1	04/23/15 15:23	04/24/15 19:35	MF
Metals (ICPMS) by Method 6020	WG783158	5	04/22/15 08:32	04/27/15 14:46	LAT

SAMPLE SUMMARY

ONE LAB. NATIONWIDE.



MW-39 L760269-08 GW

			Collected by TB/CH/BB	Collected date/time 04/16/15 14:00	Received date/time 04/18/15 09:00	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analysis Analyst	
Metals (ICPMS) by Method 6020	WG783446	1	04/22/15 10:34	04/29/15 02:00	LAT	¹ Cp
Metals (ICPMS) by Method 6020	WG783446	1	04/22/15 10:34	04/29/15 11:22	JD	² Tc
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG783640	1	04/21/15 17:43	04/23/15 00:08	JNS	³ Ss
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG784849	1	04/26/15 13:09	04/26/15 13:09	MCB	
Volatile Organic Compounds (GC/MS) by Method 8260B	WG785673	1	04/29/15 23:38	04/29/15 23:38	MCB	⁴ Cn
Wet Chemistry by Method 353.2	WG785028	10	05/01/15 04:08	05/01/15 04:08	JAL	
Wet Chemistry by Method 9056MOD	WG784717	1	04/27/15 22:17	04/27/15 22:17	NJM	⁵ Sr
Wet Chemistry by Method 9056MOD	WG784717	100	04/28/15 13:57	04/28/15 13:57	NJM	

RW-1 L760269-09 GW

			Collected by TB/CH/BB	Collected date/time 04/17/15 12:30	Received date/time 04/18/15 09:00	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analysis Analyst	
Gravimetric Analysis by Method 2540 C-2011	WG784340	1	04/24/15 18:13	04/27/15 09:27	MF	⁶ Qc
Metals (ICPMS) by Method 6020	WG783158	1	04/22/15 08:32	04/27/15 16:46	JD	
Metals (ICPMS) by Method 6020	WG783158	5	04/22/15 08:32	04/27/15 14:48	JD	⁷ Gl
Metals (ICPMS) by Method 6020	WG783446	1	04/22/15 10:34	04/29/15 02:02	LAT	
Metals (ICPMS) by Method 6020	WG783446	1	04/22/15 10:34	04/29/15 11:24	LAT	⁸ Al
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG783640	5	04/21/15 17:43	04/23/15 14:12	JNS	
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG783801	1	04/26/15 09:11	04/26/15 09:11	MCB	⁹ Sc
Volatile Organic Compounds (GC/MS) by Method 8260B	WG783750	50	04/26/15 01:42	04/26/15 01:42	MCB	
Wet Chemistry by Method 353.2	WG785028	10	05/01/15 04:09	05/01/15 04:09	JAL	
Wet Chemistry by Method 9056MOD	WG784717	1	04/27/15 22:32	04/27/15 22:32	NJM	
Wet Chemistry by Method 9056MOD	WG784717	100	04/28/15 14:12	04/28/15 14:12	NJM	

RW-8 L760269-10 GW

			Collected by TB/CH/BB	Collected date/time 04/17/15 13:20	Received date/time 04/18/15 09:00	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analysis Analyst	
Gravimetric Analysis by Method 2540 C-2011	WG784340	1	04/24/15 18:13	04/27/15 09:27	MF	
Metals (ICPMS) by Method 6020	WG783158	5	04/22/15 08:32	04/27/15 14:51	VSS	
Metals (ICPMS) by Method 6020	WG783446	1	04/22/15 10:34	04/29/15 02:05	LAT	
Metals (ICPMS) by Method 6020	WG783446	1	04/22/15 10:34	04/29/15 11:27	LAT	
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG783640	1	04/21/15 17:43	04/23/15 00:27	JNS	
Volatile Organic Compounds (GC/MS) by Method 8260B	WG783750	10	04/26/15 02:00	04/26/15 02:00	MCB	
Volatile Organic Compounds (GC/MS) by Method 8260B	WG785673	100	04/29/15 23:59	04/29/15 23:59	MCB	
Wet Chemistry by Method 353.2	WG785028	10	05/01/15 04:10	05/01/15 04:10	JAL	
Wet Chemistry by Method 9056MOD	WG784717	1	04/27/15 22:47	04/27/15 22:47	NJM	
Wet Chemistry by Method 9056MOD	WG784717	10	04/28/15 14:27	04/28/15 14:27	NJM	

RW-7 L760269-11 GW

			Collected by TB/CH/BB	Collected date/time 04/17/15 10:10	Received date/time 04/18/15 09:00	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analysis Analyst	
Gravimetric Analysis by Method 2540 C-2011	WG784340	1	04/24/15 18:13	04/27/15 09:28	MF	
Metals (ICPMS) by Method 6020	WG783158	5	04/22/15 08:32	04/27/15 14:54	VSS	
Metals (ICPMS) by Method 6020	WG783447	1	04/28/15 13:36	04/29/15 01:09	AB	
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG783640	1	04/21/15 17:43	04/23/15 04:13	JNS	
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG784071	1	04/23/15 19:32	04/23/15 19:32	MCB	
Volatile Organic Compounds (GC/MS) by Method 8260B	WG785673	1	04/30/15 00:20	04/30/15 00:20	MCB	
Wet Chemistry by Method 353.2	WG785028	10	05/01/15 04:11	05/01/15 04:11	JAL	
Wet Chemistry by Method 9056MOD	WG784717	1	04/27/15 23:02	04/27/15 23:02	NJM	
Wet Chemistry by Method 9056MOD	WG784717	10	04/28/15 14:42	04/28/15 14:42	NJM	

SAMPLE SUMMARY

ONE LAB. NATIONWIDE.



RW-17 L760269-12 GW

			Collected by TB/CH/BB	Collected date/time 04/16/15 12:20	Received date/time 04/18/15 09:00	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analysis Analyst	
Gravimetric Analysis by Method 2540 C-2011	WG784000	1	04/23/15 15:23	04/24/15 19:33	MF	¹ Cp
Metals (ICPMS) by Method 6020	WG783158	5	04/22/15 08:32	04/27/15 14:56	LAT	² Tc
Metals (ICPMS) by Method 6020	WG783447	1	04/28/15 13:36	04/29/15 01:12	AB	³ Ss
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG783640	1	04/21/15 17:43	04/23/15 00:46	JNS	
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG784071	1	04/23/15 19:10	04/23/15 19:10	MCB	⁴ Cn
Volatile Organic Compounds (GC/MS) by Method 8260B	WG783750	1	04/26/15 02:37	04/26/15 02:37	MCB	
Wet Chemistry by Method 353.2	WG785028	5	05/01/15 04:42	05/01/15 04:42	JAL	⁵ Sr
Wet Chemistry by Method 9056MOD	WG785224	1	04/28/15 17:00	04/28/15 17:00	DJD	
Wet Chemistry by Method 9056MOD	WG785224	100	04/28/15 23:15	04/28/15 23:15	DJD	⁶ Qc

MW-113 L760269-13 GW

			Collected by TB/CH/BB	Collected date/time 04/17/15 09:30	Received date/time 04/18/15 09:00	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analysis Analyst	
Gravimetric Analysis by Method 2540 C-2011	WG784340	1	04/24/15 18:13	04/27/15 09:31	MF	⁷ Gl
Metals (ICPMS) by Method 6020	WG783158	1	04/22/15 08:32	04/27/15 20:12	VSS	⁸ Al
Metals (ICPMS) by Method 6020	WG783447	1	04/28/15 13:36	04/29/15 01:14	AB	⁹ Sc
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG783640	1	04/21/15 17:43	04/23/15 02:21	JNS	
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG784071	1	04/23/15 19:54	04/23/15 19:54	MCB	
Volatile Organic Compounds (GC/MS) by Method 8260B	WG783750	1	04/26/15 02:56	04/26/15 02:56	MCB	
Wet Chemistry by Method 353.2	WG785028	1	05/01/15 04:14	05/01/15 04:14	JAL	
Wet Chemistry by Method 9056MOD	WG785224	1	04/28/15 17:14	04/28/15 17:14	DJD	
Wet Chemistry by Method 9056MOD	WG785224	100	04/28/15 23:29	04/28/15 23:29	DJD	

RW-22 L760269-14 GW

			Collected by TB/CH/BB	Collected date/time 04/16/15 18:20	Received date/time 04/18/15 09:00	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analysis Analyst	
Gravimetric Analysis by Method 2540 C-2011	WG784000	1	04/23/15 15:23	04/24/15 19:34	MF	
Metals (ICPMS) by Method 6020	WG783158	1	04/22/15 08:32	04/27/15 20:15	VSS	
Metals (ICPMS) by Method 6020	WG783447	10	04/28/15 13:36	04/29/15 10:24	AB	
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG783640	1	04/21/15 17:43	04/23/15 02:40	JNS	
Volatile Organic Compounds (GC/MS) by Method 8260B	WG783750	10	04/26/15 03:14	04/26/15 03:14	MCB	
Volatile Organic Compounds (GC/MS) by Method 8260B	WG785673	200	04/30/15 00:41	04/30/15 00:41	MCB	
Wet Chemistry by Method 353.2	WG785028	10	05/01/15 04:15	05/01/15 04:15	JAL	
Wet Chemistry by Method 9056MOD	WG785224	1	04/28/15 17:29	04/28/15 17:29	DJD	
Wet Chemistry by Method 9056MOD	WG785224	100	04/28/15 23:44	04/28/15 23:44	DJD	

RW-20 L760269-15 GW

			Collected by TB/CH/BB	Collected date/time 04/16/15 16:30	Received date/time 04/18/15 09:00	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analysis Analyst	
Gravimetric Analysis by Method 2540 C-2011	WG784000	1	04/23/15 15:23	04/24/15 19:35	MF	
Metals (ICPMS) by Method 6020	WG783158	5	04/22/15 08:32	04/27/15 15:10	VSS	
Metals (ICPMS) by Method 6020	WG783447	1	04/28/15 13:36	04/29/15 01:18	AB	
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG783640	1	04/21/15 17:43	04/23/15 02:58	JNS	
Volatile Organic Compounds (GC/MS) by Method 8260B	WG783750	10	04/26/15 03:32	04/26/15 03:32	MCB	
Volatile Organic Compounds (GC/MS) by Method 8260B	WG785673	100	04/30/15 01:02	04/30/15 01:02	MCB	
Wet Chemistry by Method 353.2	WG785031	10	05/01/15 02:45	05/01/15 02:45	JAL	
Wet Chemistry by Method 9056MOD	WG785224	1	04/28/15 17:43	04/28/15 17:43	DJD	
Wet Chemistry by Method 9056MOD	WG785224	100	04/28/15 23:58	04/28/15 23:58	DJD	
Wet Chemistry by Method 9056MOD	WG785509	2	04/29/15 18:27	04/29/15 18:27	NJM	

SAMPLE SUMMARY

ONE LAB. NATIONWIDE.



MW-133 L760269-16 GW

						Collected by TB/CH/BB	Collected date/time 04/17/15 10:45	Received date/time 04/18/15 09:00	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analysis Analyst				
Gravimetric Analysis by Method 2540 C-2011	WG784340	1	04/24/15 18:13	04/27/15 09:31	MF				
Metals (ICPMS) by Method 6020	WG783158	1	04/22/15 08:32	04/27/15 20:40	VSS				
Metals (ICPMS) by Method 6020	WG783447	1	04/28/15 13:36	04/29/15 05:58	AB				
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG783640	1	04/21/15 17:43	04/23/15 03:17	JNS				
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG784071	5	04/23/15 20:16	04/23/15 20:16	MCB				
Volatile Organic Compounds (GC/MS) by Method 8260B	WG783750	100	04/26/15 03:51	04/26/15 03:51	MCB				
Wet Chemistry by Method 353.2	WG785031	10	05/01/15 02:48	05/01/15 02:48	JAL				
Wet Chemistry by Method 9056MOD	WG785224	1	04/28/15 17:58	04/28/15 17:58	DJD				
Wet Chemistry by Method 9056MOD	WG785224	100	04/29/15 00:13	04/29/15 00:13	DJD				
Wet Chemistry by Method 9056MOD	WG785509	2	04/29/15 18:41	04/29/15 18:41	NJM				

MW-134 L760269-17 GW

						Collected by TB/CH/BB	Collected date/time 04/17/15 13:35	Received date/time 04/18/15 09:00	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analysis Analyst				
Gravimetric Analysis by Method 2540 C-2011	WG784340	1	04/24/15 18:13	04/27/15 09:29	MF				
Metals (ICPMS) by Method 6020	WG783158	5	04/22/15 08:32	04/27/15 15:19	VSS				
Metals (ICPMS) by Method 6020	WG783447	5	04/28/15 13:36	04/29/15 06:02	AB				
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG783640	1	04/21/15 17:43	04/23/15 03:36	JNS				
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG783800	1	04/22/15 16:40	04/22/15 16:40	MCB				
Volatile Organic Compounds (GC/MS) by Method 8260B	WG783750	1	04/26/15 04:09	04/26/15 04:09	MCB				
Wet Chemistry by Method 353.2	WG785031	1	05/01/15 02:49	05/01/15 02:49	JAL				
Wet Chemistry by Method 9056MOD	WG785224	1	04/28/15 20:07	04/28/15 20:07	DJD				
Wet Chemistry by Method 9056MOD	WG785224	100	04/28/15 18:12	04/28/15 18:12	DJD				

RA-4798 L760269-18 GW

						Collected by TB/CH/BB	Collected date/time 04/17/15 11:45	Received date/time 04/18/15 09:00	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analysis Analyst				
Gravimetric Analysis by Method 2540 C-2011	WG784340	1	04/24/15 18:13	04/27/15 09:32	MF				
Metals (ICPMS) by Method 6020	WG783158	1	04/22/15 08:32	04/27/15 20:42	VSS				
Volatile Organic Compounds (GC/MS) by Method 8260B	WG783750	1	04/26/15 04:28	04/26/15 04:28	MCB				
Wet Chemistry by Method 353.2	WG785031	1	05/01/15 02:52	05/01/15 02:52	JAL				
Wet Chemistry by Method 9056MOD	WG785224	1	04/28/15 20:22	04/28/15 20:22	DJD				
Wet Chemistry by Method 9056MOD	WG785224	100	04/28/15 18:26	04/28/15 18:26	DJD				

RA-4196 L760269-19 GW

						Collected by TB/CH/BB	Collected date/time 04/17/15 10:30	Received date/time 04/18/15 09:00	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analysis Analyst				
Gravimetric Analysis by Method 2540 C-2011	WG784340	1	04/24/15 18:13	04/27/15 09:30	MF				
Metals (ICPMS) by Method 6020	WG783158	1	04/22/15 08:32	04/27/15 20:45	VSS				
Volatile Organic Compounds (GC/MS) by Method 8260B	WG783750	1	04/26/15 04:46	04/26/15 04:46	MCB				
Wet Chemistry by Method 353.2	WG785031	1	05/01/15 02:54	05/01/15 02:54	JAL				
Wet Chemistry by Method 9056MOD	WG785224	1	04/28/15 20:36	04/28/15 20:36	DJD				
Wet Chemistry by Method 9056MOD	WG785224	100	04/28/15 18:41	04/28/15 18:41	DJD				

RA-313 L760269-20 GW

						Collected by TB/CH/BB	Collected date/time 04/17/15 14:25	Received date/time 04/18/15 09:00	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analysis Analyst				
Gravimetric Analysis by Method 2540 C-2011	WG784340	1	04/24/15 18:13	04/27/15 09:32	MF				
Metals (ICPMS) by Method 6020	WG783158	1	04/22/15 08:32	04/27/15 19:52	VSS				

SAMPLE SUMMARY

ONE LAB. NATIONWIDE.



RA-313 L760269-20 GW

Collected by
TB/CH/BBCollected date/time
04/17/15 14:25Received date/time
04/18/15 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analysis Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG783750	1	04/26/15 05:04	04/26/15 05:04	MCB
Wet Chemistry by Method 353.2	WG785031	1	05/01/15 02:55	05/01/15 02:55	JAL
Wet Chemistry by Method 9056MOD	WG785224	1	04/28/15 20:51	04/28/15 20:51	DJD
Wet Chemistry by Method 9056MOD	WG785224	100	04/28/15 18:55	04/28/15 18:55	DJD

¹Cp²Tc³Ss⁴Cn⁵Sr⁶Qc⁷Gl⁸Al⁹Sc



All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. 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

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc



Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Dissolved Solids	3290000		2800	10000	1	04/24/2015 19:33	WG784000

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Nitrate-Nitrite	639		20.0	100	1	05/01/2015 03:55	WG785028

Wet Chemistry by Method 9056MOD

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	187000		5200	100000	100	04/28/2015 11:43	WG784717
Fluoride	3340		9.90	100	1	04/27/2015 20:03	WG784717
Sulfate	2010000		7700	500000	100	04/28/2015 11:43	WG784717

Metals (ICPMS) by Method 6020

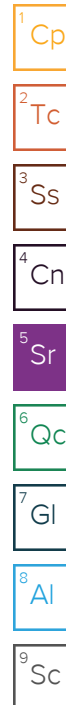
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic	1.71	J	0.250	2.00	1	04/27/2015 20:00	WG783158
Arsenic,Dissolved	1.77	J	0.250	2.00	1	04/29/2015 01:42	WG783446
Barium	25.8		0.360	5.00	1	04/27/2015 20:00	WG783158
Barium,Dissolved	27.5		0.360	5.00	1	04/29/2015 01:42	WG783446
Calcium	494000		46.0	1000	1	04/27/2015 20:00	WG783158
Chromium	0.561	J	0.540	2.00	1	04/27/2015 20:00	WG783158
Chromium,Dissolved	U		0.540	2.00	1	04/29/2015 01:42	WG783446
Iron	454		15.0	100	1	04/27/2015 20:00	WG783158
Iron,Dissolved	57.3	J	15.0	100	1	04/29/2015 01:42	WG783446
Lead	U		0.240	2.00	1	04/27/2015 20:00	WG783158
Lead,Dissolved	U		0.240	2.00	1	04/29/2015 10:38	WG783446
Manganese	237		0.250	5.00	1	04/27/2015 20:00	WG783158
Manganese,Dissolved	250		0.250	5.00	1	04/29/2015 01:42	WG783446
Potassium	9040		37.0	1000	1	04/27/2015 20:00	WG783158
Selenium	5.17		0.380	2.00	1	04/27/2015 20:00	WG783158
Selenium,Dissolved	5.98		0.380	2.00	1	04/29/2015 10:38	WG783446
Sodium	172000		110	1000	1	04/27/2015 20:00	WG783158

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TPH (GC/FID) Low Fraction	U		31.0	100	1	04/26/2015 12:44	WG784849
(S) a,a,a-Trifluorotoluene(FID)	96.4			62.0-128		04/26/2015 12:44	WG784849

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	10.0	J J4	10.0	50.0	1	04/25/2015 23:14	WG783750
Benzene	U		0.330	1.00	1	04/25/2015 23:14	WG783750
Bromodichloromethane	U		0.380	1.00	1	04/25/2015 23:14	WG783750
Bromoform	U		0.470	1.00	1	04/25/2015 23:14	WG783750
Bromomethane	U		0.870	5.00	1	04/25/2015 23:14	WG783750
n-Butylbenzene	U		0.360	1.00	1	04/25/2015 23:14	WG783750
sec-Butylbenzene	U		0.360	1.00	1	04/25/2015 23:14	WG783750
Carbon disulfide	U	J3	0.280	1.00	1	04/25/2015 23:14	WG783750
Carbon tetrachloride	U		0.380	1.00	1	04/25/2015 23:14	WG783750
Chlorobenzene	U		0.350	1.00	1	04/25/2015 23:14	WG783750





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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chlorodibromomethane	U		0.330	1.00	1	04/25/2015 23:14	WG783750
Chloroethane	U		0.450	5.00	1	04/25/2015 23:14	WG783750
Chloroform	U		0.320	5.00	1	04/25/2015 23:14	WG783750
Chloromethane	U		0.280	2.50	1	04/25/2015 23:14	WG783750
1,2-Dibromoethane	U		0.380	1.00	1	04/25/2015 23:14	WG783750
1,1-Dichloroethane	U		0.260	1.00	1	04/25/2015 23:14	WG783750
1,2-Dichloroethane	U		0.360	1.00	1	04/25/2015 23:14	WG783750
1,1-Dichloroethene	U		0.400	1.00	1	04/25/2015 23:14	WG783750
cis-1,2-Dichloroethene	U		0.260	1.00	1	04/25/2015 23:14	WG783750
trans-1,2-Dichloroethene	U		0.400	1.00	1	04/25/2015 23:14	WG783750
1,2-Dichloropropane	U		0.310	1.00	1	04/25/2015 23:14	WG783750
cis-1,3-Dichloropropene	U		0.420	1.00	1	04/25/2015 23:14	WG783750
trans-1,3-Dichloropropene	U		0.420	1.00	1	04/25/2015 23:14	WG783750
Ethylbenzene	U		0.380	1.00	1	04/25/2015 23:14	WG783750
Isopropylbenzene	U		0.330	1.00	1	04/25/2015 23:14	WG783750
p-Isopropyltoluene	U		0.350	1.00	1	04/25/2015 23:14	WG783750
2-Butanone (MEK)	U		3.90	10.0	1	04/25/2015 23:14	WG783750
2-Hexanone	U		3.80	10.0	1	04/25/2015 23:14	WG783750
Methylene Chloride	1.20	U	1.00	5.00	1	04/25/2015 23:14	WG783750
4-Methyl-2-pentanone (MIBK)	U		2.10	10.0	1	04/25/2015 23:14	WG783750
Methyl tert-butyl ether	U		0.370	1.00	1	04/25/2015 23:14	WG783750
Naphthalene	U		1.00	5.00	1	04/25/2015 23:14	WG783750
n-Propylbenzene	U		0.350	1.00	1	04/25/2015 23:14	WG783750
Styrene	U		0.310	1.00	1	04/25/2015 23:14	WG783750
1,1,1,2-Tetrachloroethane	U		0.380	1.00	1	04/25/2015 23:14	WG783750
1,1,2,2-Tetrachloroethane	U		0.130	1.00	1	04/25/2015 23:14	WG783750
Tetrachloroethene	U		0.370	1.00	1	04/25/2015 23:14	WG783750
Toluene	U		0.780	5.00	1	04/25/2015 23:14	WG783750
1,1,1-Trichloroethane	U		0.319	1.00	1	04/25/2015 23:14	WG783750
1,1,2-Trichloroethane	U		0.380	1.00	1	04/25/2015 23:14	WG783750
Trichloroethene	U		0.400	1.00	1	04/25/2015 23:14	WG783750
1,2,4-Trimethylbenzene	U		0.370	1.00	1	04/25/2015 23:14	WG783750
1,3,5-Trimethylbenzene	U		0.390	1.00	1	04/25/2015 23:14	WG783750
Vinyl chloride	U		0.260	1.00	1	04/25/2015 23:14	WG783750
o-Xylene	U		0.340	1.00	1	04/25/2015 23:14	WG783750
m&p-Xylene	U		0.720	1.00	1	04/25/2015 23:14	WG783750
Xylenes, Total	U		1.10	3.00	1	04/25/2015 23:14	WG783750
(S) Toluene-d8	103			88.5-111		04/25/2015 23:14	WG783750
(S) Dibromofluoromethane	103			78.3-121		04/25/2015 23:14	WG783750
(S) 4-Bromofluorobenzene	99.0			71.0-126		04/25/2015 23:14	WG783750

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

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	4800		25.0	100	1	04/22/2015 21:54	WG783640
(S) o-Terphenyl	116			50.0-150		04/22/2015 21:54	WG783640



Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Dissolved Solids	2640000		2800	10000	1	04/24/2015 19:34	WG784000

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Nitrate-Nitrite	U		200	1000	10	05/01/2015 03:56	WG785028

Wet Chemistry by Method 9056MOD

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	298000		5200	100000	100	04/28/2015 11:58	WG784717
Fluoride	1660		9.90	100	1	04/27/2015 20:48	WG784717
Sulfate	1380000		7700	500000	100	04/28/2015 11:58	WG784717

Metals (ICPMS) by Method 6020

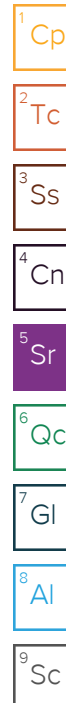
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic	1.22	J	1.20	10.0	5	04/27/2015 12:47	WG783158
Arsenic,Dissolved	0.999	J	0.250	2.00	1	04/29/2015 01:44	WG783446
Barium	33.6		1.80	25.0	5	04/27/2015 12:47	WG783158
Barium,Dissolved	27.0		0.360	5.00	1	04/29/2015 01:44	WG783446
Calcium	571000		230	5000	5	04/27/2015 12:47	WG783158
Chromium	U		2.70	10.0	5	04/27/2015 12:47	WG783158
Chromium,Dissolved	U		0.540	2.00	1	04/29/2015 01:44	WG783446
Iron	345	J	75.0	500	5	04/27/2015 12:47	WG783158
Iron,Dissolved	200		15.0	100	1	04/29/2015 01:44	WG783446
Lead	2.13	J	1.20	10.0	5	04/27/2015 12:47	WG783158
Lead,Dissolved	U		0.240	2.00	1	04/29/2015 11:06	WG783446
Manganese	39.8		1.20	25.0	5	04/27/2015 12:47	WG783158
Manganese,Dissolved	37.5		0.250	5.00	1	04/29/2015 01:44	WG783446
Potassium	1890	J	180	5000	5	04/27/2015 12:47	WG783158
Selenium	U		1.90	10.0	5	04/27/2015 12:47	WG783158
Selenium,Dissolved	0.388	J	0.380	2.00	1	04/29/2015 11:06	WG783446
Sodium	134000		550	5000	5	04/27/2015 12:47	WG783158

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TPH (GC/FID) Low Fraction	735		31.0	100	1	04/23/2015 21:00	WG784069
(S) a,a,a-Trifluorotoluene(FID)	91.6			62.0-128		04/23/2015 21:00	WG784069

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		10.0	50.0	1	04/29/2015 22:35	WG785673
Benzene	19.8		0.330	1.00	1	04/29/2015 22:35	WG785673
Bromodichloromethane	U		0.380	1.00	1	04/29/2015 22:35	WG785673
Bromoform	U		0.470	1.00	1	04/29/2015 22:35	WG785673
Bromomethane	U	J3	0.870	5.00	1	04/29/2015 22:35	WG785673
n-Butylbenzene	U		0.360	1.00	1	04/29/2015 22:35	WG785673
sec-Butylbenzene	4.60		0.360	1.00	1	04/29/2015 22:35	WG785673
Carbon disulfide	0.595	J	0.280	1.00	1	04/29/2015 22:35	WG785673
Carbon tetrachloride	U		0.380	1.00	1	04/29/2015 22:35	WG785673
Chlorobenzene	U		0.350	1.00	1	04/29/2015 22:35	WG785673





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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chlorodibromomethane	U		0.330	1.00	1	04/29/2015 22:35	WG785673
Chloroethane	U		0.450	5.00	1	04/29/2015 22:35	WG785673
Chloroform	U		0.320	5.00	1	04/29/2015 22:35	WG785673
Chloromethane	U		0.280	2.50	1	04/29/2015 22:35	WG785673
1,2-Dibromoethane	U		0.380	1.00	1	04/29/2015 22:35	WG785673
1,1-Dichloroethane	U		0.260	1.00	1	04/29/2015 22:35	WG785673
1,2-Dichloroethane	U		0.360	1.00	1	04/29/2015 22:35	WG785673
1,1-Dichloroethene	U		0.400	1.00	1	04/29/2015 22:35	WG785673
cis-1,2-Dichloroethene	U		0.260	1.00	1	04/29/2015 22:35	WG785673
trans-1,2-Dichloroethene	U		0.400	1.00	1	04/29/2015 22:35	WG785673
1,2-Dichloropropane	0.769	U	0.310	1.00	1	04/29/2015 22:35	WG785673
cis-1,3-Dichloropropene	U		0.420	1.00	1	04/29/2015 22:35	WG785673
trans-1,3-Dichloropropene	U		0.420	1.00	1	04/29/2015 22:35	WG785673
Ethylbenzene	0.399	U	0.380	1.00	1	04/29/2015 22:35	WG785673
Isopropylbenzene	30.8		0.330	1.00	1	04/29/2015 22:35	WG785673
p-Isopropyltoluene	U		0.350	1.00	1	04/29/2015 22:35	WG785673
2-Butanone (MEK)	U		3.90	10.0	1	04/29/2015 22:35	WG785673
2-Hexanone	U		3.80	10.0	1	04/29/2015 22:35	WG785673
Methylene Chloride	U		1.00	5.00	1	04/29/2015 22:35	WG785673
4-Methyl-2-pentanone (MIBK)	U		2.10	10.0	1	04/29/2015 22:35	WG785673
Methyl tert-butyl ether	U		0.370	1.00	1	04/29/2015 22:35	WG785673
Naphthalene	U		1.00	5.00	1	04/29/2015 22:35	WG785673
n-Propylbenzene	3.19		0.350	1.00	1	04/29/2015 22:35	WG785673
Styrene	U		0.310	1.00	1	04/29/2015 22:35	WG785673
1,1,1,2-Tetrachloroethane	U		0.380	1.00	1	04/29/2015 22:35	WG785673
1,1,2,2-Tetrachloroethane	U		0.130	1.00	1	04/29/2015 22:35	WG785673
Tetrachloroethene	U		0.370	1.00	1	04/29/2015 22:35	WG785673
Toluene	U		0.780	5.00	1	04/29/2015 22:35	WG785673
1,1,1-Trichloroethane	U		0.319	1.00	1	04/29/2015 22:35	WG785673
1,1,2-Trichloroethane	U		0.380	1.00	1	04/29/2015 22:35	WG785673
Trichloroethene	U		0.400	1.00	1	04/29/2015 22:35	WG785673
1,2,4-Trimethylbenzene	0.498	U	0.370	1.00	1	04/29/2015 22:35	WG785673
1,3,5-Trimethylbenzene	U		0.390	1.00	1	04/29/2015 22:35	WG785673
Vinyl chloride	0.999	U	0.260	1.00	1	04/29/2015 22:35	WG785673
o-Xylene	U		0.340	1.00	1	04/29/2015 22:35	WG785673
m&p-Xylene	6.06		0.720	1.00	1	04/29/2015 22:35	WG785673
Xylenes, Total	6.06		1.10	3.00	1	04/29/2015 22:35	WG785673
(S) Toluene-d8	107			88.5-111		04/29/2015 22:35	WG785673
(S) Dibromofluoromethane	103			78.3-121		04/29/2015 22:35	WG785673
(S) 4-Bromofluorobenzene	108			71.0-126		04/29/2015 22:35	WG785673

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

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	4500		25.0	100	1	04/22/2015 22:13	WG783640
(S) o-Terphenyl	121			50.0-150		04/22/2015 22:13	WG783640



Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Dissolved Solids	2710000		2800	10000	1	04/24/2015 19:33	WG784000

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Nitrate-Nitrite	U		20.0	100	1	05/01/2015 03:57	WG785028

Wet Chemistry by Method 9056MOD

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	290000		5200	100000	100	04/28/2015 12:43	WG784717
Fluoride	1070		9.90	100	1	04/27/2015 21:03	WG784717
Sulfate	1410000		7700	500000	100	04/28/2015 12:43	WG784717

Metals (ICPMS) by Method 6020

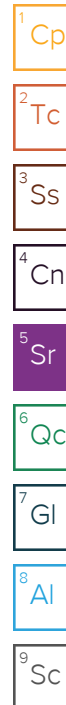
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic	5.91	U	1.20	10.0	5	04/27/2015 12:49	WG783158
Arsenic,Dissolved	4.48		0.250	2.00	1	04/29/2015 01:47	WG783446
Barium	20.3	U	1.80	25.0	5	04/27/2015 12:49	WG783158
Barium,Dissolved	15.2		0.360	5.00	1	04/29/2015 01:47	WG783446
Calcium	313000		230	5000	5	04/27/2015 12:49	WG783158
Chromium	U		2.70	10.0	5	04/27/2015 12:49	WG783158
Chromium,Dissolved	U		0.540	2.00	1	04/29/2015 01:47	WG783446
Iron	136	U	75.0	500	5	04/27/2015 12:49	WG783158
Iron,Dissolved	16.3	U	15.0	100	1	04/29/2015 01:47	WG783446
Lead	U		1.20	10.0	5	04/27/2015 12:49	WG783158
Lead,Dissolved	U		0.240	2.00	1	04/29/2015 11:09	WG783446
Manganese	1010		1.20	25.0	5	04/27/2015 12:49	WG783158
Manganese,Dissolved	791		0.250	5.00	1	04/29/2015 01:47	WG783446
Potassium	648	U	180	5000	5	04/27/2015 12:49	WG783158
Selenium	U		1.90	10.0	5	04/27/2015 12:49	WG783158
Selenium,Dissolved	U		0.380	2.00	1	04/29/2015 11:09	WG783446
Sodium	501000		550	5000	5	04/27/2015 12:49	WG783158

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TPH (GC/FID) Low Fraction	103		31.0	100	1	04/23/2015 21:22	WG784069
(S) a,a,a-Trifluorotoluene(FID)	93.2			62.0-128		04/23/2015 21:22	WG784069

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		10.0	50.0	1	04/29/2015 22:56	WG785673
Benzene	1.90		0.330	1.00	1	04/29/2015 22:56	WG785673
Bromodichloromethane	U		0.380	1.00	1	04/29/2015 22:56	WG785673
Bromoform	U		0.470	1.00	1	04/29/2015 22:56	WG785673
Bromomethane	U		0.870	5.00	1	04/29/2015 22:56	WG785673
n-Butylbenzene	U		0.360	1.00	1	04/29/2015 22:56	WG785673
sec-Butylbenzene	2.20		0.360	1.00	1	04/29/2015 22:56	WG785673
Carbon disulfide	0.349	U	0.280	1.00	1	04/29/2015 22:56	WG785673
Carbon tetrachloride	U		0.380	1.00	1	04/29/2015 22:56	WG785673
Chlorobenzene	U		0.350	1.00	1	04/29/2015 22:56	WG785673





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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chlorodibromomethane	U		0.330	1.00	1	04/29/2015 22:56	WG785673
Chloroethane	U		0.450	5.00	1	04/29/2015 22:56	WG785673
Chloroform	U		0.320	5.00	1	04/29/2015 22:56	WG785673
Chloromethane	U		0.280	2.50	1	04/29/2015 22:56	WG785673
1,2-Dibromoethane	U		0.380	1.00	1	04/29/2015 22:56	WG785673
1,1-Dichloroethane	U		0.260	1.00	1	04/29/2015 22:56	WG785673
1,2-Dichloroethane	U		0.360	1.00	1	04/29/2015 22:56	WG785673
1,1-Dichloroethene	U		0.400	1.00	1	04/29/2015 22:56	WG785673
cis-1,2-Dichloroethene	U		0.260	1.00	1	04/29/2015 22:56	WG785673
trans-1,2-Dichloroethene	U		0.400	1.00	1	04/29/2015 22:56	WG785673
1,2-Dichloropropane	U		0.310	1.00	1	04/29/2015 22:56	WG785673
cis-1,3-Dichloropropene	U		0.420	1.00	1	04/29/2015 22:56	WG785673
trans-1,3-Dichloropropene	U		0.420	1.00	1	04/29/2015 22:56	WG785673
Ethylbenzene	U		0.380	1.00	1	04/29/2015 22:56	WG785673
Isopropylbenzene	8.44		0.330	1.00	1	04/29/2015 22:56	WG785673
p-Isopropyltoluene	U		0.350	1.00	1	04/29/2015 22:56	WG785673
2-Butanone (MEK)	U		3.90	10.0	1	04/29/2015 22:56	WG785673
2-Hexanone	U		3.80	10.0	1	04/29/2015 22:56	WG785673
Methylene Chloride	U		1.00	5.00	1	04/29/2015 22:56	WG785673
4-Methyl-2-pentanone (MIBK)	U		2.10	10.0	1	04/29/2015 22:56	WG785673
Methyl tert-butyl ether	4.40		0.370	1.00	1	04/29/2015 22:56	WG785673
Naphthalene	U		1.00	5.00	1	04/29/2015 22:56	WG785673
n-Propylbenzene	U		0.350	1.00	1	04/29/2015 22:56	WG785673
Styrene	U		0.310	1.00	1	04/29/2015 22:56	WG785673
1,1,1,2-Tetrachloroethane	U		0.380	1.00	1	04/29/2015 22:56	WG785673
1,1,2,2-Tetrachloroethane	U		0.130	1.00	1	04/29/2015 22:56	WG785673
Tetrachloroethene	U		0.370	1.00	1	04/29/2015 22:56	WG785673
Toluene	U		0.780	5.00	1	04/29/2015 22:56	WG785673
1,1,1-Trichloroethane	U		0.319	1.00	1	04/29/2015 22:56	WG785673
1,1,2-Trichloroethane	U		0.380	1.00	1	04/29/2015 22:56	WG785673
Trichloroethene	U		0.400	1.00	1	04/29/2015 22:56	WG785673
1,2,4-Trimethylbenzene	U		0.370	1.00	1	04/29/2015 22:56	WG785673
1,3,5-Trimethylbenzene	U		0.390	1.00	1	04/29/2015 22:56	WG785673
Vinyl chloride	U		0.260	1.00	1	04/29/2015 22:56	WG785673
o-Xylene	U		0.340	1.00	1	04/29/2015 22:56	WG785673
m&p-Xylene	U		0.720	1.00	1	04/29/2015 22:56	WG785673
Xylenes, Total	U		1.10	3.00	1	04/29/2015 22:56	WG785673
(S) Toluene-d8	106			88.5-111		04/29/2015 22:56	WG785673
(S) Dibromofluoromethane	104			78.3-121		04/29/2015 22:56	WG785673
(S) 4-Bromofluorobenzene	111			71.0-126		04/29/2015 22:56	WG785673

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

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	1600		25.0	100	1	04/22/2015 22:32	WG783640
(S) o-Terphenyl	115			50.0-150		04/22/2015 22:32	WG783640



Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Dissolved Solids	3150000		2800	10000	1	04/24/2015 19:35	WG784000

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Nitrate-Nitrite	U		200	1000	10	05/01/2015 03:58	WG785028

Wet Chemistry by Method 9056MOD

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	313000		5200	100000	100	04/28/2015 12:58	WG784717
Fluoride	1680		9.90	100	1	04/27/2015 21:17	WG784717
Sulfate	1310000		7700	500000	100	04/28/2015 12:58	WG784717

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic	3.92		0.250	2.00	1	04/27/2015 20:02	WG783158
Arsenic,Dissolved	3.58		0.250	2.00	1	04/29/2015 01:49	WG783446
Barium	39.7		0.360	5.00	1	04/27/2015 20:02	WG783158
Barium,Dissolved	46.8		0.360	5.00	1	04/29/2015 01:49	WG783446
Calcium	315000		46.0	1000	1	04/27/2015 20:02	WG783158
Chromium	1.02	J	0.540	2.00	1	04/27/2015 20:02	WG783158
Chromium,Dissolved	U		0.540	2.00	1	04/29/2015 01:49	WG783446
Iron	257		15.0	100	1	04/27/2015 20:02	WG783158
Iron,Dissolved	179		15.0	100	1	04/29/2015 01:49	WG783446
Lead	0.449	J	0.240	2.00	1	04/27/2015 20:02	WG783158
Lead,Dissolved	0.454	J	0.240	2.00	1	04/29/2015 11:11	WG783446
Manganese	460		0.250	5.00	1	04/27/2015 20:02	WG783158
Manganese,Dissolved	501		0.250	5.00	1	04/29/2015 01:49	WG783446
Potassium	1690		37.0	1000	1	04/27/2015 20:02	WG783158
Selenium	14.4		0.380	2.00	1	04/27/2015 20:02	WG783158
Selenium,Dissolved	0.418	J	0.380	2.00	1	04/29/2015 11:11	WG783446
Sodium	318000		110	1000	1	04/27/2015 20:02	WG783158

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TPH (GC/FID) Low Fraction	2550		31.0	100	1	04/23/2015 21:44	WG784069
(S) a,a,a-Trifluorotoluene(FID)	90.5			62.0-128		04/23/2015 21:44	WG784069

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U	J4	500	2500	50	04/26/2015 00:09	WG783750
Benzene	790		16.0	50.0	50	04/26/2015 00:09	WG783750
Bromodichloromethane	U		19.0	50.0	50	04/26/2015 00:09	WG783750
Bromoform	U		23.0	50.0	50	04/26/2015 00:09	WG783750
Bromomethane	U		43.0	250	50	04/26/2015 00:09	WG783750
n-Butylbenzene	U		18.0	50.0	50	04/26/2015 00:09	WG783750
sec-Butylbenzene	U		18.0	50.0	50	04/26/2015 00:09	WG783750
Carbon disulfide	U	J3	14.0	50.0	50	04/26/2015 00:09	WG783750
Carbon tetrachloride	U		19.0	50.0	50	04/26/2015 00:09	WG783750
Chlorobenzene	U		17.0	50.0	50	04/26/2015 00:09	WG783750



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chlorodibromomethane	U		16.0	50.0	50	04/26/2015 00:09	WG783750
Chloroethane	U		23.0	250	50	04/26/2015 00:09	WG783750
Chloroform	U		16.0	250	50	04/26/2015 00:09	WG783750
Chloromethane	U		14.0	125	50	04/26/2015 00:09	WG783750
1,2-Dibromoethane	U		19.0	50.0	50	04/26/2015 00:09	WG783750
1,1-Dichloroethane	U		13.0	50.0	50	04/26/2015 00:09	WG783750
1,2-Dichloroethane	U		18.0	50.0	50	04/26/2015 00:09	WG783750
1,1-Dichloroethene	U		20.0	50.0	50	04/26/2015 00:09	WG783750
cis-1,2-Dichloroethene	U		13.0	50.0	50	04/26/2015 00:09	WG783750
trans-1,2-Dichloroethene	U		20.0	50.0	50	04/26/2015 00:09	WG783750
1,2-Dichloropropane	U		15.0	50.0	50	04/26/2015 00:09	WG783750
cis-1,3-Dichloropropene	U		21.0	50.0	50	04/26/2015 00:09	WG783750
trans-1,3-Dichloropropene	U		21.0	50.0	50	04/26/2015 00:09	WG783750
Ethylbenzene	U		19.0	50.0	50	04/26/2015 00:09	WG783750
Isopropylbenzene	64.3		16.0	50.0	50	04/26/2015 00:09	WG783750
p-Isopropyltoluene	U		18.0	50.0	50	04/26/2015 00:09	WG783750
2-Butanone (MEK)	U		200	500	50	04/26/2015 00:09	WG783750
2-Hexanone	U		190	500	50	04/26/2015 00:09	WG783750
Methylene Chloride	56.4	U	50.0	250	50	04/26/2015 00:09	WG783750
4-Methyl-2-pentanone (MIBK)	U		110	500	50	04/26/2015 00:09	WG783750
Methyl tert-butyl ether	U		18.0	50.0	50	04/26/2015 00:09	WG783750
Naphthalene	U		50.0	250	50	04/26/2015 00:09	WG783750
n-Propylbenzene	17.9	U	17.0	50.0	50	04/26/2015 00:09	WG783750
Styrene	U		15.0	50.0	50	04/26/2015 00:09	WG783750
1,1,1,2-Tetrachloroethane	U		19.0	50.0	50	04/26/2015 00:09	WG783750
1,1,2,2-Tetrachloroethane	U		6.50	50.0	50	04/26/2015 00:09	WG783750
Tetrachloroethene	U		19.0	50.0	50	04/26/2015 00:09	WG783750
Toluene	U		39.0	250	50	04/26/2015 00:09	WG783750
1,1,1-Trichloroethane	U		16.0	50.0	50	04/26/2015 00:09	WG783750
1,1,2-Trichloroethane	U		19.0	50.0	50	04/26/2015 00:09	WG783750
Trichloroethene	U		20.0	50.0	50	04/26/2015 00:09	WG783750
1,2,4-Trimethylbenzene	U		19.0	50.0	50	04/26/2015 00:09	WG783750
1,3,5-Trimethylbenzene	U		19.0	50.0	50	04/26/2015 00:09	WG783750
Vinyl chloride	U		13.0	50.0	50	04/26/2015 00:09	WG783750
o-Xylene	U		17.0	50.0	50	04/26/2015 00:09	WG783750
m&p-Xylene	U		36.0	50.0	50	04/26/2015 00:09	WG783750
Xylenes, Total	U		53.0	150	50	04/26/2015 00:09	WG783750
(S) Toluene-d8	103			88.5-111		04/26/2015 00:09	WG783750
(S) Dibromofluoromethane	100			78.3-121		04/26/2015 00:09	WG783750
(S) 4-Bromofluorobenzene	101			71.0-126		04/26/2015 00:09	WG783750

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

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	3200		25.0	100	1	04/22/2015 22:51	WG783640
(S) o-Terphenyl	124			50.0-150		04/22/2015 22:51	WG783640



Gravimetric Analysis by Method 2540 C-2011

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Dissolved Solids	3440000		2800	10000	1	04/27/2015 09:32	WG784340

Wet Chemistry by Method 353.2

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		20.0	100	1	05/01/2015 04:03	WG785028

Wet Chemistry by Method 9056MOD

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chloride	562000		5200	100000	100	04/28/2015 13:13	WG784717
Fluoride	962		9.90	100	1	04/27/2015 21:32	WG784717
Sulfate	1110000		7700	500000	100	04/28/2015 13:13	WG784717

Metals (ICPMS) by Method 6020

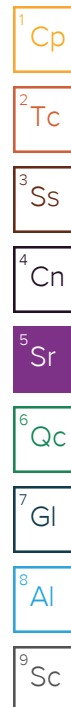
Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Arsenic	9.35	J	1.20	10.0	5	04/27/2015 14:27	WG783158
Arsenic,Dissolved	7.40		0.250	2.00	1	04/29/2015 01:52	WG783446
Barium	24.2	J	1.80	25.0	5	04/27/2015 14:27	WG783158
Barium,Dissolved	23.0		0.360	5.00	1	04/29/2015 01:52	WG783446
Calcium	309000		230	5000	5	04/27/2015 14:27	WG783158
Chromium	U		2.70	10.0	5	04/27/2015 14:27	WG783158
Chromium,Dissolved	0.790	J	0.540	2.00	1	04/29/2015 01:52	WG783446
Iron	136	J	75.0	500	5	04/27/2015 14:27	WG783158
Iron,Dissolved	142		15.0	100	1	04/29/2015 01:52	WG783446
Lead	U		1.20	10.0	5	04/27/2015 14:27	WG783158
Lead,Dissolved	0.322	J	0.240	2.00	1	04/29/2015 11:14	WG783446
Manganese	171		1.20	25.0	5	04/27/2015 14:27	WG783158
Manganese,Dissolved	152		0.250	5.00	1	04/29/2015 01:52	WG783446
Potassium	579	J	180	5000	5	04/27/2015 14:27	WG783158
Selenium	3.93	J	1.90	10.0	5	04/27/2015 14:27	WG783158
Selenium,Dissolved	0.534	J	0.380	2.00	1	04/29/2015 11:14	WG783446
Sodium	611000		550	5000	5	04/27/2015 14:27	WG783158

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	1370		31.0	100	1	04/23/2015 22:06	WG784069
(S) a,a,a-Trifluorotoluene(FID)	88.8			62.0-128		04/23/2015 22:06	WG784069

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U	J4	100	500	10	04/26/2015 00:27	WG783750
Benzene	216		3.30	10.0	10	04/26/2015 00:27	WG783750
Bromodichloromethane	U		3.80	10.0	10	04/26/2015 00:27	WG783750
Bromoform	U		4.70	10.0	10	04/26/2015 00:27	WG783750
Bromomethane	U		8.70	50.0	10	04/26/2015 00:27	WG783750
n-Butylbenzene	U		3.60	10.0	10	04/26/2015 00:27	WG783750
sec-Butylbenzene	5.92	J	3.60	10.0	10	04/26/2015 00:27	WG783750
Carbon disulfide	U	J3	2.80	10.0	10	04/26/2015 00:27	WG783750
Carbon tetrachloride	U		3.80	10.0	10	04/26/2015 00:27	WG783750
Chlorobenzene	U		3.50	10.0	10	04/26/2015 00:27	WG783750





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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chlorodibromomethane	U		3.30	10.0	10	04/26/2015 00:27	WG783750
Chloroethane	U		4.50	50.0	10	04/26/2015 00:27	WG783750
Chloroform	U		3.20	50.0	10	04/26/2015 00:27	WG783750
Chloromethane	U		2.80	25.0	10	04/26/2015 00:27	WG783750
1,2-Dibromoethane	U		3.80	10.0	10	04/26/2015 00:27	WG783750
1,1-Dichloroethane	U		2.60	10.0	10	04/26/2015 00:27	WG783750
1,2-Dichloroethane	U		3.60	10.0	10	04/26/2015 00:27	WG783750
1,1-Dichloroethene	U		4.00	10.0	10	04/26/2015 00:27	WG783750
cis-1,2-Dichloroethene	U		2.60	10.0	10	04/26/2015 00:27	WG783750
trans-1,2-Dichloroethene	U		4.00	10.0	10	04/26/2015 00:27	WG783750
1,2-Dichloropropane	U		3.10	10.0	10	04/26/2015 00:27	WG783750
cis-1,3-Dichloropropene	U		4.20	10.0	10	04/26/2015 00:27	WG783750
trans-1,3-Dichloropropene	U		4.20	10.0	10	04/26/2015 00:27	WG783750
Ethylbenzene	U		3.80	10.0	10	04/26/2015 00:27	WG783750
Isopropylbenzene	32.6		3.30	10.0	10	04/26/2015 00:27	WG783750
p-Isopropyltoluene	U		3.50	10.0	10	04/26/2015 00:27	WG783750
2-Butanone (MEK)	U		39.0	100	10	04/26/2015 00:27	WG783750
2-Hexanone	U		38.0	100	10	04/26/2015 00:27	WG783750
Methylene Chloride	10.6	U	10.0	50.0	10	04/26/2015 00:27	WG783750
4-Methyl-2-pentanone (MIBK)	U		21.0	100	10	04/26/2015 00:27	WG783750
Methyl tert-butyl ether	14.5		3.70	10.0	10	04/26/2015 00:27	WG783750
Naphthalene	U		10.0	50.0	10	04/26/2015 00:27	WG783750
n-Propylbenzene	20.5		3.50	10.0	10	04/26/2015 00:27	WG783750
Styrene	U		3.10	10.0	10	04/26/2015 00:27	WG783750
1,1,1,2-Tetrachloroethane	U		3.80	10.0	10	04/26/2015 00:27	WG783750
1,1,2,2-Tetrachloroethane	U		1.30	10.0	10	04/26/2015 00:27	WG783750
Tetrachloroethene	U		3.70	10.0	10	04/26/2015 00:27	WG783750
Toluene	U		7.80	50.0	10	04/26/2015 00:27	WG783750
1,1,1-Trichloroethane	U		3.19	10.0	10	04/26/2015 00:27	WG783750
1,1,2-Trichloroethane	U		3.80	10.0	10	04/26/2015 00:27	WG783750
Trichloroethene	U		4.00	10.0	10	04/26/2015 00:27	WG783750
1,2,4-Trimethylbenzene	24.7		3.70	10.0	10	04/26/2015 00:27	WG783750
1,3,5-Trimethylbenzene	U		3.90	10.0	10	04/26/2015 00:27	WG783750
Vinyl chloride	U		2.60	10.0	10	04/26/2015 00:27	WG783750
o-Xylene	U		3.40	10.0	10	04/26/2015 00:27	WG783750
m&p-Xylene	48.4		7.20	10.0	10	04/26/2015 00:27	WG783750
Xylenes, Total	48.4		11.0	30.0	10	04/26/2015 00:27	WG783750
(S) Toluene-d8	103			88.5-111		04/26/2015 00:27	WG783750
(S) Dibromofluoromethane	99.4			78.3-121		04/26/2015 00:27	WG783750
(S) 4-Bromofluorobenzene	101			71.0-126		04/26/2015 00:27	WG783750

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

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	7000		25.0	100	1	04/22/2015 23:11	WG783640
(S) o-Terphenyl	113			50.0-150		04/22/2015 23:11	WG783640



Gravimetric Analysis by Method 2540 C-2011

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Dissolved Solids	5430000		2800	10000	1	04/27/2015 09:31	WG784340

Wet Chemistry by Method 353.2

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	2870		20.0	100	1	05/01/2015 04:04	WG785028

Wet Chemistry by Method 9056MOD

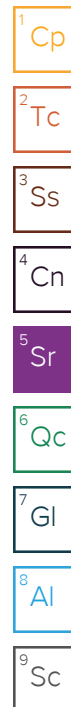
Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chloride	534000		5200	100000	100	04/28/2015 13:28	WG784717
Fluoride	4610		9.90	100	1	04/27/2015 21:47	WG784717
Sulfate	3220000		7700	500000	100	04/28/2015 13:28	WG784717

Metals (ICPMS) by Method 6020

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Arsenic	17.1		1.20	10.0	5	04/27/2015 14:30	WG783158
Arsenic,Dissolved	13.3		0.250	2.00	1	04/29/2015 01:55	WG783446
Barium	13.8	J	1.80	25.0	5	04/27/2015 14:30	WG783158
Barium,Dissolved	14.3		0.360	5.00	1	04/29/2015 01:55	WG783446
Calcium	641000		230	5000	5	04/27/2015 14:30	WG783158
Chromium	U		2.70	10.0	5	04/27/2015 14:30	WG783158
Chromium,Dissolved	1.01	J	0.540	2.00	1	04/29/2015 01:55	WG783446
Iron	U		75.0	500	5	04/27/2015 14:30	WG783158
Iron,Dissolved	23.4	J	15.0	100	1	04/29/2015 01:55	WG783446
Lead	U		1.20	10.0	5	04/27/2015 14:30	WG783158
Lead,Dissolved	0.255	J	0.240	2.00	1	04/29/2015 11:17	WG783446
Manganese	421		1.20	25.0	5	04/27/2015 14:30	WG783158
Manganese,Dissolved	400		0.250	5.00	1	04/29/2015 01:55	WG783446
Potassium	1690	J	180	5000	5	04/27/2015 14:30	WG783158
Selenium	U		1.90	10.0	5	04/27/2015 14:30	WG783158
Selenium,Dissolved	9.31		0.380	2.00	1	04/29/2015 11:17	WG783446
Sodium	594000		550	5000	5	04/27/2015 14:30	WG783158

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U	J4	10.0	50.0	1	04/26/2015 00:46	WG783750
Benzene	U		0.330	1.00	1	04/26/2015 00:46	WG783750
Bromodichloromethane	U		0.380	1.00	1	04/26/2015 00:46	WG783750
Bromoform	U		0.470	1.00	1	04/26/2015 00:46	WG783750
Bromomethane	U		0.870	5.00	1	04/26/2015 00:46	WG783750
n-Butylbenzene	U		0.360	1.00	1	04/26/2015 00:46	WG783750
sec-Butylbenzene	U		0.360	1.00	1	04/26/2015 00:46	WG783750
Carbon disulfide	U	J3	0.280	1.00	1	04/26/2015 00:46	WG783750
Carbon tetrachloride	U		0.380	1.00	1	04/26/2015 00:46	WG783750
Chlorobenzene	U		0.350	1.00	1	04/26/2015 00:46	WG783750
Chlorodibromomethane	U		0.330	1.00	1	04/26/2015 00:46	WG783750
Chloroethane	U		0.450	5.00	1	04/26/2015 00:46	WG783750
Chloroform	U		0.320	5.00	1	04/26/2015 00:46	WG783750
Chloromethane	U		0.280	2.50	1	04/26/2015 00:46	WG783750
1,2-Dibromoethane	U		0.380	1.00	1	04/26/2015 00:46	WG783750
1,1-Dichloroethane	U		0.260	1.00	1	04/26/2015 00:46	WG783750





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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.360	1.00	1	04/26/2015 00:46	WG783750
1,1-Dichloroethene	U		0.400	1.00	1	04/26/2015 00:46	WG783750
cis-1,2-Dichloroethene	U		0.260	1.00	1	04/26/2015 00:46	WG783750
trans-1,2-Dichloroethene	U		0.400	1.00	1	04/26/2015 00:46	WG783750
1,2-Dichloropropane	U		0.310	1.00	1	04/26/2015 00:46	WG783750
cis-1,3-Dichloropropene	U		0.420	1.00	1	04/26/2015 00:46	WG783750
trans-1,3-Dichloropropene	U		0.420	1.00	1	04/26/2015 00:46	WG783750
Ethylbenzene	U		0.380	1.00	1	04/26/2015 00:46	WG783750
Isopropylbenzene	U		0.330	1.00	1	04/26/2015 00:46	WG783750
p-Isopropyltoluene	U		0.350	1.00	1	04/26/2015 00:46	WG783750
2-Butanone (MEK)	U		3.90	10.0	1	04/26/2015 00:46	WG783750
2-Hexanone	U		3.80	10.0	1	04/26/2015 00:46	WG783750
Methylene Chloride	1.14	U	1.00	5.00	1	04/26/2015 00:46	WG783750
4-Methyl-2-pentanone (MIBK)	U		2.10	10.0	1	04/26/2015 00:46	WG783750
Methyl tert-butyl ether	19.0		0.370	1.00	1	04/26/2015 00:46	WG783750
Naphthalene	U		1.00	5.00	1	04/26/2015 00:46	WG783750
n-Propylbenzene	U		0.350	1.00	1	04/26/2015 00:46	WG783750
Styrene	U		0.310	1.00	1	04/26/2015 00:46	WG783750
1,1,1,2-Tetrachloroethane	U		0.380	1.00	1	04/26/2015 00:46	WG783750
1,1,2,2-Tetrachloroethane	U		0.130	1.00	1	04/26/2015 00:46	WG783750
Tetrachloroethene	U		0.370	1.00	1	04/26/2015 00:46	WG783750
Toluene	U		0.780	5.00	1	04/26/2015 00:46	WG783750
1,1,1-Trichloroethane	U		0.319	1.00	1	04/26/2015 00:46	WG783750
1,1,2-Trichloroethane	U		0.380	1.00	1	04/26/2015 00:46	WG783750
Trichloroethene	U		0.400	1.00	1	04/26/2015 00:46	WG783750
1,2,4-Trimethylbenzene	U		0.370	1.00	1	04/26/2015 00:46	WG783750
1,3,5-Trimethylbenzene	U		0.390	1.00	1	04/26/2015 00:46	WG783750
Vinyl chloride	U		0.260	1.00	1	04/26/2015 00:46	WG783750
o-Xylene	U		0.340	1.00	1	04/26/2015 00:46	WG783750
m&p-Xylene	U		0.720	1.00	1	04/26/2015 00:46	WG783750
Xylenes, Total	U		1.10	3.00	1	04/26/2015 00:46	WG783750
(S) Toluene-d8	106			88.5-111		04/26/2015 00:46	WG783750
(S) Dibromofluoromethane	106			78.3-121		04/26/2015 00:46	WG783750
(S) 4-Bromofluorobenzene	99.0			71.0-126		04/26/2015 00:46	WG783750

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

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	1900		25.0	100	1	04/22/2015 23:30	WG783640
(S) o-Terphenyl	116			50.0-150		04/22/2015 23:30	WG783640



Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Dissolved Solids	1400000		2800	10000	1	04/27/2015 09:27	WG784340

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Nitrate-Nitrite	22300		98.0	500	5	05/01/2015 04:40	WG785028

Wet Chemistry by Method 9056MOD

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	280000		520	10000	10	04/28/2015 13:43	WG784717
Fluoride	6810		9.90	100	1	04/27/2015 22:02	WG784717
Sulfate	559000		770	50000	10	04/28/2015 13:43	WG784717

Metals (ICPMS) by Method 6020

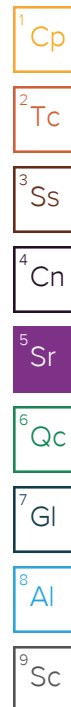
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic	4.91		0.250	2.00	1	04/27/2015 20:05	WG783158
Arsenic,Dissolved	3.61		0.250	2.00	1	04/29/2015 01:57	WG783446
Barium	89.0		0.360	5.00	1	04/27/2015 20:05	WG783158
Barium,Dissolved	93.6		0.360	5.00	1	04/29/2015 01:57	WG783446
Calcium	197000		46.0	1000	1	04/27/2015 20:05	WG783158
Chromium	2.83		0.540	2.00	1	04/27/2015 20:05	WG783158
Chromium,Dissolved	U		0.540	2.00	1	04/29/2015 01:57	WG783446
Iron	1160		15.0	100	1	04/27/2015 20:05	WG783158
Iron,Dissolved	172		15.0	100	1	04/29/2015 01:57	WG783446
Lead	29.6		0.240	2.00	1	04/27/2015 20:05	WG783158
Lead,Dissolved	1.29	J	0.240	2.00	1	04/29/2015 11:19	WG783446
Manganese	147		0.250	5.00	1	04/27/2015 20:05	WG783158
Manganese,Dissolved	146		0.250	5.00	1	04/29/2015 01:57	WG783446
Potassium	10400		37.0	1000	1	04/27/2015 20:05	WG783158
Selenium	9.57		0.380	2.00	1	04/27/2015 20:05	WG783158
Selenium,Dissolved	7.95		0.380	2.00	1	04/29/2015 11:19	WG783446
Sodium	162000		110	1000	1	04/27/2015 20:05	WG783158

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TPH (GC/FID) Low Fraction	1520		31.0	100	1	04/23/2015 22:50	WG784069
(S) a,a,a-Trifluorotoluene(FID)	85.3			62.0-128		04/23/2015 22:50	WG784069

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	27.0	J J4	10.0	50.0	1	04/26/2015 01:05	WG783750
Benzene	395		3.30	10.0	10	04/29/2015 23:17	WG785673
Bromodichloromethane	U		0.380	1.00	1	04/26/2015 01:05	WG783750
Bromoform	U		0.470	1.00	1	04/26/2015 01:05	WG783750
Bromomethane	U		0.870	5.00	1	04/26/2015 01:05	WG783750
n-Butylbenzene	0.406	J	0.360	1.00	1	04/26/2015 01:05	WG783750
sec-Butylbenzene	0.810	J	0.360	1.00	1	04/26/2015 01:05	WG783750
Carbon disulfide	U	J3	0.280	1.00	1	04/26/2015 01:05	WG783750
Carbon tetrachloride	U		0.380	1.00	1	04/26/2015 01:05	WG783750
Chlorobenzene	U		0.350	1.00	1	04/26/2015 01:05	WG783750





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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chlorodibromomethane	U		0.330	1.00	1	04/26/2015 01:05	WG783750
Chloroethane	U		0.450	5.00	1	04/26/2015 01:05	WG783750
Chloroform	U		0.320	5.00	1	04/26/2015 01:05	WG783750
Chloromethane	U		0.280	2.50	1	04/26/2015 01:05	WG783750
1,2-Dibromoethane	U		0.380	1.00	1	04/26/2015 01:05	WG783750
1,1-Dichloroethane	U		0.260	1.00	1	04/26/2015 01:05	WG783750
1,2-Dichloroethane	U		0.360	1.00	1	04/26/2015 01:05	WG783750
1,1-Dichloroethene	U		0.400	1.00	1	04/26/2015 01:05	WG783750
cis-1,2-Dichloroethene	U		0.260	1.00	1	04/26/2015 01:05	WG783750
trans-1,2-Dichloroethene	U		0.400	1.00	1	04/26/2015 01:05	WG783750
1,2-Dichloropropane	U		0.310	1.00	1	04/26/2015 01:05	WG783750
cis-1,3-Dichloropropene	U		0.420	1.00	1	04/26/2015 01:05	WG783750
trans-1,3-Dichloropropene	U		0.420	1.00	1	04/26/2015 01:05	WG783750
Ethylbenzene	20.6		0.380	1.00	1	04/26/2015 01:05	WG783750
Isopropylbenzene	6.91		0.330	1.00	1	04/26/2015 01:05	WG783750
p-Isopropyltoluene	0.357	U	0.350	1.00	1	04/26/2015 01:05	WG783750
2-Butanone (MEK)	U		3.90	10.0	1	04/26/2015 01:05	WG783750
2-Hexanone	U		3.80	10.0	1	04/26/2015 01:05	WG783750
Methylene Chloride	1.00	U	1.00	5.00	1	04/26/2015 01:05	WG783750
4-Methyl-2-pentanone (MIBK)	U		2.10	10.0	1	04/26/2015 01:05	WG783750
Methyl tert-butyl ether	U		0.370	1.00	1	04/26/2015 01:05	WG783750
Naphthalene	12.6		1.00	5.00	1	04/26/2015 01:05	WG783750
n-Propylbenzene	8.15		0.350	1.00	1	04/26/2015 01:05	WG783750
Styrene	U		0.310	1.00	1	04/26/2015 01:05	WG783750
1,1,1,2-Tetrachloroethane	U		0.380	1.00	1	04/26/2015 01:05	WG783750
1,1,2,2-Tetrachloroethane	U		0.130	1.00	1	04/26/2015 01:05	WG783750
Tetrachloroethene	U		0.370	1.00	1	04/26/2015 01:05	WG783750
Toluene	42.0		0.780	5.00	1	04/26/2015 01:05	WG783750
1,1,1-Trichloroethane	U		0.319	1.00	1	04/26/2015 01:05	WG783750
1,1,2-Trichloroethane	U		0.380	1.00	1	04/26/2015 01:05	WG783750
Trichloroethene	U		0.400	1.00	1	04/26/2015 01:05	WG783750
1,2,4-Trimethylbenzene	17.3		0.370	1.00	1	04/26/2015 01:05	WG783750
1,3,5-Trimethylbenzene	2.73		0.390	1.00	1	04/26/2015 01:05	WG783750
Vinyl chloride	U		0.260	1.00	1	04/26/2015 01:05	WG783750
o-Xylene	3.93		0.340	1.00	1	04/26/2015 01:05	WG783750
m&p-Xylene	47.5		0.720	1.00	1	04/26/2015 01:05	WG783750
Xylenes, Total	51.4		1.10	3.00	1	04/26/2015 01:05	WG783750
(S) Toluene-d8	102			88.5-111		04/26/2015 01:05	WG783750
(S) Dibromofluoromethane	83.4			78.3-121		04/26/2015 01:05	WG783750
(S) 4-Bromofluorobenzene	98.5			71.0-126		04/26/2015 01:05	WG783750

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

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	3400		25.0	100	1	04/22/2015 23:49	WG783640
(S) o-Terphenyl	110			50.0-150		04/22/2015 23:49	WG783640



Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Dissolved Solids	2640000		2800	10000	1	04/24/2015 19:35	WG784000

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Nitrate-Nitrite	U		200	1000	10	05/01/2015 04:08	WG785028

Wet Chemistry by Method 9056MOD

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	190000		5200	100000	100	04/28/2015 13:57	WG784717
Fluoride	3090		9.90	100	1	04/27/2015 22:17	WG784717
Sulfate	1380000		7700	500000	100	04/28/2015 13:57	WG784717

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic	2.56	U	1.20	10.0	5	04/27/2015 14:46	WG783158
Arsenic,Dissolved	1.74	U	0.250	2.00	1	04/29/2015 02:00	WG783446
Barium	22.8	U	1.80	25.0	5	04/27/2015 14:46	WG783158
Barium,Dissolved	22.6		0.360	5.00	1	04/29/2015 02:00	WG783446
Calcium	509000		230	5000	5	04/27/2015 14:46	WG783158
Chromium	U		2.70	10.0	5	04/27/2015 14:46	WG783158
Chromium,Dissolved	U		0.540	2.00	1	04/29/2015 02:00	WG783446
Iron	U		75.0	500	5	04/27/2015 14:46	WG783158
Iron,Dissolved	U		15.0	100	1	04/29/2015 02:00	WG783446
Lead	U		1.20	10.0	5	04/27/2015 14:46	WG783158
Lead,Dissolved	0.389	U	0.240	2.00	1	04/29/2015 11:22	WG783446
Manganese	208		1.20	25.0	5	04/27/2015 14:46	WG783158
Manganese,Dissolved	191		0.250	5.00	1	04/29/2015 02:00	WG783446
Potassium	3620	U	180	5000	5	04/27/2015 14:46	WG783158
Selenium	U		1.90	10.0	5	04/27/2015 14:46	WG783158
Selenium,Dissolved	5.33		0.380	2.00	1	04/29/2015 11:22	WG783446
Sodium	179000		550	5000	5	04/27/2015 14:46	WG783158

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TPH (GC/FID) Low Fraction	147		31.0	100	1	04/26/2015 13:09	WG784849
(S) a,a,a-Trifluorotoluene(FID)	96.7			62.0-128		04/26/2015 13:09	WG784849

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		10.0	50.0	1	04/29/2015 23:38	WG785673
Benzene	U		0.330	1.00	1	04/29/2015 23:38	WG785673
Bromodichloromethane	U		0.380	1.00	1	04/29/2015 23:38	WG785673
Bromoform	U		0.470	1.00	1	04/29/2015 23:38	WG785673
Bromomethane	U		0.870	5.00	1	04/29/2015 23:38	WG785673
n-Butylbenzene	U		0.360	1.00	1	04/29/2015 23:38	WG785673
sec-Butylbenzene	0.987	U	0.360	1.00	1	04/29/2015 23:38	WG785673
Carbon disulfide	0.372	U	0.280	1.00	1	04/29/2015 23:38	WG785673
Carbon tetrachloride	U		0.380	1.00	1	04/29/2015 23:38	WG785673
Chlorobenzene	U		0.350	1.00	1	04/29/2015 23:38	WG785673



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chlorodibromomethane	U		0.330	1.00	1	04/29/2015 23:38	WG785673
Chloroethane	U		0.450	5.00	1	04/29/2015 23:38	WG785673
Chloroform	U		0.320	5.00	1	04/29/2015 23:38	WG785673
Chloromethane	U		0.280	2.50	1	04/29/2015 23:38	WG785673
1,2-Dibromoethane	U		0.380	1.00	1	04/29/2015 23:38	WG785673
1,1-Dichloroethane	U		0.260	1.00	1	04/29/2015 23:38	WG785673
1,2-Dichloroethane	U		0.360	1.00	1	04/29/2015 23:38	WG785673
1,1-Dichloroethene	U		0.400	1.00	1	04/29/2015 23:38	WG785673
cis-1,2-Dichloroethene	U		0.260	1.00	1	04/29/2015 23:38	WG785673
trans-1,2-Dichloroethene	U		0.400	1.00	1	04/29/2015 23:38	WG785673
1,2-Dichloropropane	U		0.310	1.00	1	04/29/2015 23:38	WG785673
cis-1,3-Dichloropropene	U		0.420	1.00	1	04/29/2015 23:38	WG785673
trans-1,3-Dichloropropene	U		0.420	1.00	1	04/29/2015 23:38	WG785673
Ethylbenzene	0.713	L	0.380	1.00	1	04/29/2015 23:38	WG785673
Isopropylbenzene	6.75		0.330	1.00	1	04/29/2015 23:38	WG785673
p-Isopropyltoluene	U		0.350	1.00	1	04/29/2015 23:38	WG785673
2-Butanone (MEK)	U		3.90	10.0	1	04/29/2015 23:38	WG785673
2-Hexanone	U		3.80	10.0	1	04/29/2015 23:38	WG785673
Methylene Chloride	U		1.00	5.00	1	04/29/2015 23:38	WG785673
4-Methyl-2-pentanone (MIBK)	U		2.10	10.0	1	04/29/2015 23:38	WG785673
Methyl tert-butyl ether	U		0.370	1.00	1	04/29/2015 23:38	WG785673
Naphthalene	U		1.00	5.00	1	04/29/2015 23:38	WG785673
n-Propylbenzene	U		0.350	1.00	1	04/29/2015 23:38	WG785673
Styrene	U		0.310	1.00	1	04/29/2015 23:38	WG785673
1,1,1,2-Tetrachloroethane	U		0.380	1.00	1	04/29/2015 23:38	WG785673
1,1,2,2-Tetrachloroethane	U		0.130	1.00	1	04/29/2015 23:38	WG785673
Tetrachloroethene	U		0.370	1.00	1	04/29/2015 23:38	WG785673
Toluene	1.37	L	0.780	5.00	1	04/29/2015 23:38	WG785673
1,1,1-Trichloroethane	U		0.319	1.00	1	04/29/2015 23:38	WG785673
1,1,2-Trichloroethane	U		0.380	1.00	1	04/29/2015 23:38	WG785673
Trichloroethene	U		0.400	1.00	1	04/29/2015 23:38	WG785673
1,2,4-Trimethylbenzene	U		0.370	1.00	1	04/29/2015 23:38	WG785673
1,3,5-Trimethylbenzene	U		0.390	1.00	1	04/29/2015 23:38	WG785673
Vinyl chloride	U		0.260	1.00	1	04/29/2015 23:38	WG785673
o-Xylene	6.32		0.340	1.00	1	04/29/2015 23:38	WG785673
m&p-Xylene	1.21		0.720	1.00	1	04/29/2015 23:38	WG785673
Xylenes, Total	7.53		1.10	3.00	1	04/29/2015 23:38	WG785673
(S) Toluene-d8	108			88.5-111		04/29/2015 23:38	WG785673
(S) Dibromofluoromethane	97.1			78.3-121		04/29/2015 23:38	WG785673
(S) 4-Bromofluorobenzene	107			71.0-126		04/29/2015 23:38	WG785673

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

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	5200		25.0	100	1	04/23/2015 00:08	WG783640
(S) o-Terphenyl	133			50.0-150		04/23/2015 00:08	WG783640



Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Dissolved Solids	2410000		2800	10000	1	04/27/2015 09:27	WG784340

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Nitrate-Nitrite	U		200	1000	10	05/01/2015 04:09	WG785028

Wet Chemistry by Method 9056MOD

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	224000		5200	100000	100	04/28/2015 14:12	WG784717
Fluoride	1330		9.90	100	1	04/27/2015 22:32	WG784717
Sulfate	1330000		7700	500000	100	04/28/2015 14:12	WG784717

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic	6.07		0.250	2.00	1	04/27/2015 16:46	WG783158
Arsenic,Dissolved	4.26		0.250	2.00	1	04/29/2015 02:02	WG783446
Barium	30.5		1.80	25.0	5	04/27/2015 14:48	WG783158
Barium,Dissolved	30.1		0.360	5.00	1	04/29/2015 02:02	WG783446
Calcium	358000		46.0	1000	1	04/27/2015 16:46	WG783158
Chromium	2.90		0.540	2.00	1	04/27/2015 16:46	WG783158
Chromium,Dissolved	1.31	J	0.540	2.00	1	04/29/2015 02:02	WG783446
Iron	216		15.0	100	1	04/27/2015 16:46	WG783158
Iron,Dissolved	74.4	J	15.0	100	1	04/29/2015 02:02	WG783446
Lead	0.495	J	0.240	2.00	1	04/27/2015 16:46	WG783158
Lead,Dissolved	0.323	J	0.240	2.00	1	04/29/2015 11:24	WG783446
Manganese	126		1.20	25.0	5	04/27/2015 14:48	WG783158
Manganese,Dissolved	118		0.250	5.00	1	04/29/2015 02:02	WG783446
Potassium	3570		37.0	1000	1	04/27/2015 16:46	WG783158
Selenium	3.02	J	1.90	10.0	5	04/27/2015 14:48	WG783158
Selenium,Dissolved	1.36	J	0.380	2.00	1	04/29/2015 11:24	WG783446
Sodium	210000		110	1000	1	04/27/2015 16:46	WG783158

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TPH (GC/FID) Low Fraction	2950	J3	31.0	100	1	04/26/2015 09:11	WG783801
(S) a,a,a-Trifluorotoluene(FID)	76.2			62.0-128		04/26/2015 09:11	WG783801

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U	J4	500	2500	50	04/26/2015 01:42	WG783750
Benzene	962		16.0	50.0	50	04/26/2015 01:42	WG783750
Bromodichloromethane	U		19.0	50.0	50	04/26/2015 01:42	WG783750
Bromoform	U		23.0	50.0	50	04/26/2015 01:42	WG783750
Bromomethane	U		43.0	250	50	04/26/2015 01:42	WG783750
n-Butylbenzene	U		18.0	50.0	50	04/26/2015 01:42	WG783750
sec-Butylbenzene	U		18.0	50.0	50	04/26/2015 01:42	WG783750
Carbon disulfide	U	J3	14.0	50.0	50	04/26/2015 01:42	WG783750
Carbon tetrachloride	U		19.0	50.0	50	04/26/2015 01:42	WG783750
Chlorobenzene	U		17.0	50.0	50	04/26/2015 01:42	WG783750



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chlorodibromomethane	U		16.0	50.0	50	04/26/2015 01:42	WG783750
Chloroethane	U		23.0	250	50	04/26/2015 01:42	WG783750
Chloroform	U		16.0	250	50	04/26/2015 01:42	WG783750
Chloromethane	U		14.0	125	50	04/26/2015 01:42	WG783750
1,2-Dibromoethane	U		19.0	50.0	50	04/26/2015 01:42	WG783750
1,1-Dichloroethane	U		13.0	50.0	50	04/26/2015 01:42	WG783750
1,2-Dichloroethane	U		18.0	50.0	50	04/26/2015 01:42	WG783750
1,1-Dichloroethene	U		20.0	50.0	50	04/26/2015 01:42	WG783750
cis-1,2-Dichloroethene	1020		13.0	50.0	50	04/26/2015 01:42	WG783750
trans-1,2-Dichloroethene	U		20.0	50.0	50	04/26/2015 01:42	WG783750
1,2-Dichloropropane	U		15.0	50.0	50	04/26/2015 01:42	WG783750
cis-1,3-Dichloropropene	U		21.0	50.0	50	04/26/2015 01:42	WG783750
trans-1,3-Dichloropropene	U		21.0	50.0	50	04/26/2015 01:42	WG783750
Ethylbenzene	47.0	U	19.0	50.0	50	04/26/2015 01:42	WG783750
Isopropylbenzene	U		16.0	50.0	50	04/26/2015 01:42	WG783750
p-Isopropyltoluene	U		18.0	50.0	50	04/26/2015 01:42	WG783750
2-Butanone (MEK)	U		200	500	50	04/26/2015 01:42	WG783750
2-Hexanone	U		190	500	50	04/26/2015 01:42	WG783750
Methylene Chloride	U		50.0	250	50	04/26/2015 01:42	WG783750
4-Methyl-2-pentanone (MIBK)	U		110	500	50	04/26/2015 01:42	WG783750
Methyl tert-butyl ether	U		18.0	50.0	50	04/26/2015 01:42	WG783750
Naphthalene	U		50.0	250	50	04/26/2015 01:42	WG783750
n-Propylbenzene	17.5	U	17.0	50.0	50	04/26/2015 01:42	WG783750
Styrene	U		15.0	50.0	50	04/26/2015 01:42	WG783750
1,1,1,2-Tetrachloroethane	U		19.0	50.0	50	04/26/2015 01:42	WG783750
1,1,2,2-Tetrachloroethane	U		6.50	50.0	50	04/26/2015 01:42	WG783750
Tetrachloroethene	U		19.0	50.0	50	04/26/2015 01:42	WG783750
Toluene	U		39.0	250	50	04/26/2015 01:42	WG783750
1,1,1-Trichloroethane	U		16.0	50.0	50	04/26/2015 01:42	WG783750
1,1,2-Trichloroethane	U		19.0	50.0	50	04/26/2015 01:42	WG783750
Trichloroethene	U		20.0	50.0	50	04/26/2015 01:42	WG783750
1,2,4-Trimethylbenzene	U		19.0	50.0	50	04/26/2015 01:42	WG783750
1,3,5-Trimethylbenzene	U		19.0	50.0	50	04/26/2015 01:42	WG783750
Vinyl chloride	U		13.0	50.0	50	04/26/2015 01:42	WG783750
o-Xylene	U		17.0	50.0	50	04/26/2015 01:42	WG783750
m&p-Xylene	36.5	U	36.0	50.0	50	04/26/2015 01:42	WG783750
Xylenes, Total	U		53.0	150	50	04/26/2015 01:42	WG783750
(S) Toluene-d8	103			88.5-111		04/26/2015 01:42	WG783750
(S) Dibromofluoromethane	101			78.3-121		04/26/2015 01:42	WG783750
(S) 4-Bromofluorobenzene	101			71.0-126		04/26/2015 01:42	WG783750

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

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	12000		120	500	5	04/23/2015 14:12	WG783640
(S) o-Terphenyl	116			50.0-150		04/23/2015 14:12	WG783640



Gravimetric Analysis by Method 2540 C-2011

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Dissolved Solids	1600000		2800	10000	1	04/27/2015 09:27	WG784340

Wet Chemistry by Method 353.2

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		200	1000	10	05/01/2015 04:10	WG785028

Wet Chemistry by Method 9056MOD

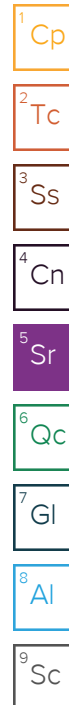
Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chloride	115000		520	10000	10	04/28/2015 14:27	WG784717
Fluoride	801		9.90	100	1	04/27/2015 22:47	WG784717
Sulfate	473000		770	50000	10	04/28/2015 14:27	WG784717

Metals (ICPMS) by Method 6020

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Arsenic	5.56	J	1.20	10.0	5	04/27/2015 14:51	WG783158
Arsenic,Dissolved	5.21		0.250	2.00	1	04/29/2015 02:05	WG783446
Barium	88.9		1.80	25.0	5	04/27/2015 14:51	WG783158
Barium,Dissolved	79.7		0.360	5.00	1	04/29/2015 02:05	WG783446
Calcium	227000		230	5000	5	04/27/2015 14:51	WG783158
Chromium	U		2.70	10.0	5	04/27/2015 14:51	WG783158
Chromium,Dissolved	U		0.540	2.00	1	04/29/2015 02:05	WG783446
Iron	427	J	75.0	500	5	04/27/2015 14:51	WG783158
Iron,Dissolved	163		15.0	100	1	04/29/2015 02:05	WG783446
Lead	U		1.20	10.0	5	04/27/2015 14:51	WG783158
Lead,Dissolved	0.591	J	0.240	2.00	1	04/29/2015 11:27	WG783446
Manganese	55.6		1.20	25.0	5	04/27/2015 14:51	WG783158
Manganese,Dissolved	74.4		0.250	5.00	1	04/29/2015 02:05	WG783446
Potassium	353	J	180	5000	5	04/27/2015 14:51	WG783158
Selenium	2.00	J	1.90	10.0	5	04/27/2015 14:51	WG783158
Selenium,Dissolved	U		0.380	2.00	1	04/29/2015 11:27	WG783446
Sodium	209000		550	5000	5	04/27/2015 14:51	WG783158

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U	J4	100	500	10	04/26/2015 02:00	WG783750
Benzene	41.2		3.30	10.0	10	04/26/2015 02:00	WG783750
Bromodichloromethane	U		3.80	10.0	10	04/26/2015 02:00	WG783750
Bromoform	U		4.70	10.0	10	04/26/2015 02:00	WG783750
Bromomethane	U		8.70	50.0	10	04/26/2015 02:00	WG783750
n-Butylbenzene	U		3.60	10.0	10	04/26/2015 02:00	WG783750
sec-Butylbenzene	9.42	J	3.60	10.0	10	04/26/2015 02:00	WG783750
Carbon disulfide	U	J3	2.80	10.0	10	04/26/2015 02:00	WG783750
Carbon tetrachloride	U		3.80	10.0	10	04/26/2015 02:00	WG783750
Chlorobenzene	U		3.50	10.0	10	04/26/2015 02:00	WG783750
Chlorodibromomethane	U		3.30	10.0	10	04/26/2015 02:00	WG783750
Chloroethane	U		4.50	50.0	10	04/26/2015 02:00	WG783750
Chloroform	U		3.20	50.0	10	04/26/2015 02:00	WG783750
Chloromethane	U		2.80	25.0	10	04/26/2015 02:00	WG783750
1,2-Dibromoethane	U		3.80	10.0	10	04/26/2015 02:00	WG783750
1,1-Dichloroethane	U		2.60	10.0	10	04/26/2015 02:00	WG783750





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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		3.60	10.0	10	04/26/2015 02:00	WG783750
1,1-Dichloroethene	U		4.00	10.0	10	04/26/2015 02:00	WG783750
cis-1,2-Dichloroethene	U		2.60	10.0	10	04/26/2015 02:00	WG783750
trans-1,2-Dichloroethene	U		4.00	10.0	10	04/26/2015 02:00	WG783750
1,2-Dichloropropane	U		3.10	10.0	10	04/26/2015 02:00	WG783750
cis-1,3-Dichloropropene	U		4.20	10.0	10	04/26/2015 02:00	WG783750
trans-1,3-Dichloropropene	U		4.20	10.0	10	04/26/2015 02:00	WG783750
Ethylbenzene	8.01	U	3.80	10.0	10	04/26/2015 02:00	WG783750
Isopropylbenzene	20.4		3.30	10.0	10	04/26/2015 02:00	WG783750
p-Isopropyltoluene	U		3.50	10.0	10	04/26/2015 02:00	WG783750
2-Butanone (MEK)	U		39.0	100	10	04/26/2015 02:00	WG783750
2-Hexanone	U		38.0	100	10	04/26/2015 02:00	WG783750
Methylene Chloride	11.3	U	10.0	50.0	10	04/26/2015 02:00	WG783750
4-Methyl-2-pentanone (MIBK)	U		21.0	100	10	04/26/2015 02:00	WG783750
Methyl tert-butyl ether	2410		37.0	100	100	04/29/2015 23:59	WG785673
Naphthalene	U		10.0	50.0	10	04/26/2015 02:00	WG783750
n-Propylbenzene	7.88	U	3.50	10.0	10	04/26/2015 02:00	WG783750
Styrene	U		3.10	10.0	10	04/26/2015 02:00	WG783750
1,1,1,2-Tetrachloroethane	U		3.80	10.0	10	04/26/2015 02:00	WG783750
1,1,2,2-Tetrachloroethane	U		1.30	10.0	10	04/26/2015 02:00	WG783750
Tetrachloroethene	U		3.70	10.0	10	04/26/2015 02:00	WG783750
Toluene	U		7.80	50.0	10	04/26/2015 02:00	WG783750
1,1,1-Trichloroethane	U		3.19	10.0	10	04/26/2015 02:00	WG783750
1,1,2-Trichloroethane	U		3.80	10.0	10	04/26/2015 02:00	WG783750
Trichloroethene	U		4.00	10.0	10	04/26/2015 02:00	WG783750
1,2,4-Trimethylbenzene	7.10	U	3.70	10.0	10	04/26/2015 02:00	WG783750
1,3,5-Trimethylbenzene	U		3.90	10.0	10	04/26/2015 02:00	WG783750
Vinyl chloride	U		2.60	10.0	10	04/26/2015 02:00	WG783750
o-Xylene	U		3.40	10.0	10	04/26/2015 02:00	WG783750
m&p-Xylene	U		7.20	10.0	10	04/26/2015 02:00	WG783750
Xylenes, Total	U		11.0	30.0	10	04/26/2015 02:00	WG783750
(S) Toluene-d8	104			88.5-111		04/26/2015 02:00	WG783750
(S) Dibromofluoromethane	104			78.3-121		04/26/2015 02:00	WG783750
(S) 4-Bromofluorobenzene	100			71.0-126		04/26/2015 02:00	WG783750

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

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	7300		25.0	100	1	04/23/2015 00:27	WG783640
(S) o-Terphenyl	104			50.0-150		04/23/2015 00:27	WG783640



Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Dissolved Solids	1500000		2800	10000	1	04/27/2015 09:28	WG784340

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Nitrate-Nitrite	U		200	1000	10	05/01/2015 04:11	WG785028

Wet Chemistry by Method 9056MOD

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	237000		520	10000	10	04/28/2015 14:42	WG784717
Fluoride	1150		9.90	100	1	04/27/2015 23:02	WG784717
Sulfate	19000		77.0	5000	1	04/27/2015 23:02	WG784717

Metals (ICPMS) by Method 6020

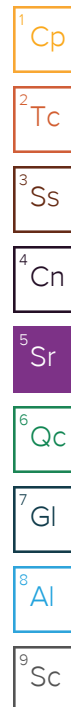
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic	2.39	U	1.20	10.0	5	04/27/2015 14:54	WG783158
Arsenic,Dissolved	2.49		0.250	2.00	1	04/29/2015 01:09	WG783447
Barium	508		1.80	25.0	5	04/27/2015 14:54	WG783158
Barium,Dissolved	404		0.360	5.00	1	04/29/2015 01:09	WG783447
Calcium	252000		230	5000	5	04/27/2015 14:54	WG783158
Chromium	U		2.70	10.0	5	04/27/2015 14:54	WG783158
Chromium,Dissolved	0.879	U	0.540	2.00	1	04/29/2015 01:09	WG783447
Iron	97.6	U	75.0	500	5	04/27/2015 14:54	WG783158
Iron,Dissolved	U		15.0	100	1	04/29/2015 01:09	WG783447
Lead	U		1.20	10.0	5	04/27/2015 14:54	WG783158
Lead,Dissolved	0.482	U	0.240	2.00	1	04/29/2015 01:09	WG783447
Manganese	28.0		1.20	25.0	5	04/27/2015 14:54	WG783158
Manganese,Dissolved	26.6		0.250	5.00	1	04/29/2015 01:09	WG783447
Potassium	1880	U	180	5000	5	04/27/2015 14:54	WG783158
Selenium	U		1.90	10.0	5	04/27/2015 14:54	WG783158
Selenium,Dissolved	16.5		0.380	2.00	1	04/29/2015 01:09	WG783447
Sodium	192000		550	5000	5	04/27/2015 14:54	WG783158

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TPH (GC/FID) Low Fraction	1050		31.0	100	1	04/23/2015 19:32	WG784071
(S) a,a,a-Trifluorotoluene(FID)	109			62.0-128		04/23/2015 19:32	WG784071

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		10.0	50.0	1	04/30/2015 00:20	WG785673
Benzene	53.5		0.330	1.00	1	04/30/2015 00:20	WG785673
Bromodichloromethane	U		0.380	1.00	1	04/30/2015 00:20	WG785673
Bromoform	U		0.470	1.00	1	04/30/2015 00:20	WG785673
Bromomethane	U		0.870	5.00	1	04/30/2015 00:20	WG785673
n-Butylbenzene	6.60		0.360	1.00	1	04/30/2015 00:20	WG785673
sec-Butylbenzene	14.6		0.360	1.00	1	04/30/2015 00:20	WG785673
Carbon disulfide	1.71		0.280	1.00	1	04/30/2015 00:20	WG785673
Carbon tetrachloride	U		0.380	1.00	1	04/30/2015 00:20	WG785673
Chlorobenzene	U		0.350	1.00	1	04/30/2015 00:20	WG785673





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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chlorodibromomethane	U		0.330	1.00	1	04/30/2015 00:20	WG785673
Chloroethane	U		0.450	5.00	1	04/30/2015 00:20	WG785673
Chloroform	U		0.320	5.00	1	04/30/2015 00:20	WG785673
Chloromethane	U		0.280	2.50	1	04/30/2015 00:20	WG785673
1,2-Dibromoethane	U		0.380	1.00	1	04/30/2015 00:20	WG785673
1,1-Dichloroethane	U		0.260	1.00	1	04/30/2015 00:20	WG785673
1,2-Dichloroethane	U		0.360	1.00	1	04/30/2015 00:20	WG785673
1,1-Dichloroethene	U		0.400	1.00	1	04/30/2015 00:20	WG785673
cis-1,2-Dichloroethene	U		0.260	1.00	1	04/30/2015 00:20	WG785673
trans-1,2-Dichloroethene	U		0.400	1.00	1	04/30/2015 00:20	WG785673
1,2-Dichloropropane	U		0.310	1.00	1	04/30/2015 00:20	WG785673
cis-1,3-Dichloropropene	U		0.420	1.00	1	04/30/2015 00:20	WG785673
trans-1,3-Dichloropropene	U		0.420	1.00	1	04/30/2015 00:20	WG785673
Ethylbenzene	18.5		0.380	1.00	1	04/30/2015 00:20	WG785673
Isopropylbenzene	36.2		0.330	1.00	1	04/30/2015 00:20	WG785673
p-Isopropyltoluene	7.05		0.350	1.00	1	04/30/2015 00:20	WG785673
2-Butanone (MEK)	U		3.90	10.0	1	04/30/2015 00:20	WG785673
2-Hexanone	U		3.80	10.0	1	04/30/2015 00:20	WG785673
Methylene Chloride	U		1.00	5.00	1	04/30/2015 00:20	WG785673
4-Methyl-2-pentanone (MIBK)	U		2.10	10.0	1	04/30/2015 00:20	WG785673
Methyl tert-butyl ether	12.2		0.370	1.00	1	04/30/2015 00:20	WG785673
Naphthalene	11.2		1.00	5.00	1	04/30/2015 00:20	WG785673
n-Propylbenzene	44.1		0.350	1.00	1	04/30/2015 00:20	WG785673
Styrene	U		0.310	1.00	1	04/30/2015 00:20	WG785673
1,1,1,2-Tetrachloroethane	U		0.380	1.00	1	04/30/2015 00:20	WG785673
1,1,2,2-Tetrachloroethane	U		0.130	1.00	1	04/30/2015 00:20	WG785673
Tetrachloroethene	U		0.370	1.00	1	04/30/2015 00:20	WG785673
Toluene	3.96	U	0.780	5.00	1	04/30/2015 00:20	WG785673
1,1,1-Trichloroethane	U		0.319	1.00	1	04/30/2015 00:20	WG785673
1,1,2-Trichloroethane	U		0.380	1.00	1	04/30/2015 00:20	WG785673
Trichloroethene	U		0.400	1.00	1	04/30/2015 00:20	WG785673
1,2,4-Trimethylbenzene	81.8		0.370	1.00	1	04/30/2015 00:20	WG785673
1,3,5-Trimethylbenzene	0.663	U	0.390	1.00	1	04/30/2015 00:20	WG785673
Vinyl chloride	U		0.260	1.00	1	04/30/2015 00:20	WG785673
o-Xylene	1.76		0.340	1.00	1	04/30/2015 00:20	WG785673
m&p-Xylene	35.0		0.720	1.00	1	04/30/2015 00:20	WG785673
Xylenes, Total	36.7		1.10	3.00	1	04/30/2015 00:20	WG785673
(S) Toluene-d8	108			88.5-111		04/30/2015 00:20	WG785673
(S) Dibromofluoromethane	104			78.3-121		04/30/2015 00:20	WG785673
(S) 4-Bromofluorobenzene	110			71.0-126		04/30/2015 00:20	WG785673

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

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	9700		25.0	100	1	04/23/2015 04:13	WG783640
(S) o-Terphenyl	117			50.0-150		04/23/2015 04:13	WG783640



Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Dissolved Solids	5840000		2800	10000	1	04/24/2015 19:33	WG784000

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Nitrate-Nitrite	31600		98.0	500	5	05/01/2015 04:42	WG785028

Wet Chemistry by Method 9056MOD

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	494000		5200	100000	100	04/28/2015 23:15	WG785224
Fluoride	2580		9.90	100	1	04/28/2015 17:00	WG785224
Sulfate	4180000		7700	500000	100	04/28/2015 23:15	WG785224

Metals (ICPMS) by Method 6020

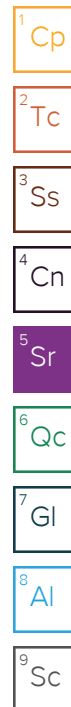
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic	11.1		1.20	10.0	5	04/27/2015 14:56	WG783158
Arsenic,Dissolved	8.38		0.250	2.00	1	04/29/2015 01:12	WG783447
Barium	27.4		1.80	25.0	5	04/27/2015 14:56	WG783158
Barium,Dissolved	21.1		0.360	5.00	1	04/29/2015 01:12	WG783447
Calcium	683000		230	5000	5	04/27/2015 14:56	WG783158
Chromium	U		2.70	10.0	5	04/27/2015 14:56	WG783158
Chromium,Dissolved	0.835	J	0.540	2.00	1	04/29/2015 01:12	WG783447
Iron	85.0	J	75.0	500	5	04/27/2015 14:56	WG783158
Iron,Dissolved	U		15.0	100	1	04/29/2015 01:12	WG783447
Lead	4.25	J	1.20	10.0	5	04/27/2015 14:56	WG783158
Lead,Dissolved	2.28		0.240	2.00	1	04/29/2015 01:12	WG783447
Manganese	121		1.20	25.0	5	04/27/2015 14:56	WG783158
Manganese,Dissolved	99.2		0.250	5.00	1	04/29/2015 01:12	WG783447
Potassium	9100		180	5000	5	04/27/2015 14:56	WG783158
Selenium	36.1		1.90	10.0	5	04/27/2015 14:56	WG783158
Selenium,Dissolved	39.3		0.380	2.00	1	04/29/2015 01:12	WG783447
Sodium	631000		550	5000	5	04/27/2015 14:56	WG783158

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TPH (GC/FID) Low Fraction	U		31.0	100	1	04/23/2015 19:10	WG784071
(S) a,a,a-Trifluorotoluene(FID) 113				62.0-128		04/23/2015 19:10	WG784071

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U	J4	10.0	50.0	1	04/26/2015 02:37	WG783750
Benzene	U		0.330	1.00	1	04/26/2015 02:37	WG783750
Bromodichloromethane	U		0.380	1.00	1	04/26/2015 02:37	WG783750
Bromoform	U		0.470	1.00	1	04/26/2015 02:37	WG783750
Bromomethane	U		0.870	5.00	1	04/26/2015 02:37	WG783750
n-Butylbenzene	U		0.360	1.00	1	04/26/2015 02:37	WG783750
sec-Butylbenzene	U		0.360	1.00	1	04/26/2015 02:37	WG783750
Carbon disulfide	U	J3	0.280	1.00	1	04/26/2015 02:37	WG783750
Carbon tetrachloride	U		0.380	1.00	1	04/26/2015 02:37	WG783750
Chlorobenzene	U		0.350	1.00	1	04/26/2015 02:37	WG783750





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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chlorodibromomethane	U		0.330	1.00	1	04/26/2015 02:37	WG783750
Chloroethane	U		0.450	5.00	1	04/26/2015 02:37	WG783750
Chloroform	U		0.320	5.00	1	04/26/2015 02:37	WG783750
Chloromethane	U		0.280	2.50	1	04/26/2015 02:37	WG783750
1,2-Dibromoethane	U		0.380	1.00	1	04/26/2015 02:37	WG783750
1,1-Dichloroethane	U		0.260	1.00	1	04/26/2015 02:37	WG783750
1,2-Dichloroethane	U		0.360	1.00	1	04/26/2015 02:37	WG783750
1,1-Dichloroethene	U		0.400	1.00	1	04/26/2015 02:37	WG783750
cis-1,2-Dichloroethene	U		0.260	1.00	1	04/26/2015 02:37	WG783750
trans-1,2-Dichloroethene	U		0.400	1.00	1	04/26/2015 02:37	WG783750
1,2-Dichloropropane	U		0.310	1.00	1	04/26/2015 02:37	WG783750
cis-1,3-Dichloropropene	U		0.420	1.00	1	04/26/2015 02:37	WG783750
trans-1,3-Dichloropropene	U		0.420	1.00	1	04/26/2015 02:37	WG783750
Ethylbenzene	U		0.380	1.00	1	04/26/2015 02:37	WG783750
Isopropylbenzene	U		0.330	1.00	1	04/26/2015 02:37	WG783750
p-Isopropyltoluene	U		0.350	1.00	1	04/26/2015 02:37	WG783750
2-Butanone (MEK)	U		3.90	10.0	1	04/26/2015 02:37	WG783750
2-Hexanone	U		3.80	10.0	1	04/26/2015 02:37	WG783750
Methylene Chloride	1.12	U	1.00	5.00	1	04/26/2015 02:37	WG783750
4-Methyl-2-pentanone (MIBK)	U		2.10	10.0	1	04/26/2015 02:37	WG783750
Methyl tert-butyl ether	7.72		0.370	1.00	1	04/26/2015 02:37	WG783750
Naphthalene	U		1.00	5.00	1	04/26/2015 02:37	WG783750
n-Propylbenzene	U		0.350	1.00	1	04/26/2015 02:37	WG783750
Styrene	U		0.310	1.00	1	04/26/2015 02:37	WG783750
1,1,1,2-Tetrachloroethane	U		0.380	1.00	1	04/26/2015 02:37	WG783750
1,1,2,2-Tetrachloroethane	U		0.130	1.00	1	04/26/2015 02:37	WG783750
Tetrachloroethene	U		0.370	1.00	1	04/26/2015 02:37	WG783750
Toluene	U		0.780	5.00	1	04/26/2015 02:37	WG783750
1,1,1-Trichloroethane	U		0.319	1.00	1	04/26/2015 02:37	WG783750
1,1,2-Trichloroethane	U		0.380	1.00	1	04/26/2015 02:37	WG783750
Trichloroethene	U		0.400	1.00	1	04/26/2015 02:37	WG783750
1,2,4-Trimethylbenzene	U		0.370	1.00	1	04/26/2015 02:37	WG783750
1,3,5-Trimethylbenzene	U		0.390	1.00	1	04/26/2015 02:37	WG783750
Vinyl chloride	U		0.260	1.00	1	04/26/2015 02:37	WG783750
o-Xylene	U		0.340	1.00	1	04/26/2015 02:37	WG783750
m&p-Xylene	U		0.720	1.00	1	04/26/2015 02:37	WG783750
Xylenes, Total	U		1.10	3.00	1	04/26/2015 02:37	WG783750
(S) Toluene-d8	104			88.5-111		04/26/2015 02:37	WG783750
(S) Dibromofluoromethane	109			78.3-121		04/26/2015 02:37	WG783750
(S) 4-Bromofluorobenzene	94.2			71.0-126		04/26/2015 02:37	WG783750

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

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	1200		25.0	100	1	04/23/2015 00:46	WG783640
(S) o-Terphenyl	110			50.0-150		04/23/2015 00:46	WG783640



Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Dissolved Solids	2030000		2800	10000	1	04/27/2015 09:31	WG784340

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Nitrate-Nitrite	U		20.0	100	1	05/01/2015 04:14	WG785028

Wet Chemistry by Method 9056MOD

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	194000		5200	100000	100	04/28/2015 23:29	WG785224
Fluoride	606		9.90	100	1	04/28/2015 17:14	WG785224
Sulfate	957000		7700	500000	100	04/28/2015 23:29	WG785224

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic	2.94		0.250	2.00	1	04/27/2015 20:12	WG783158
Arsenic,Dissolved	4.45		0.250	2.00	1	04/29/2015 01:14	WG783447
Barium	33.0		0.360	5.00	1	04/27/2015 20:12	WG783158
Barium,Dissolved	24.8		0.360	5.00	1	04/29/2015 01:14	WG783447
Calcium	285000		46.0	1000	1	04/27/2015 20:12	WG783158
Chromium	1.71	J	0.540	2.00	1	04/27/2015 20:12	WG783158
Chromium,Dissolved	U		0.540	2.00	1	04/29/2015 01:14	WG783447
Iron	559		15.0	100	1	04/27/2015 20:12	WG783158
Iron,Dissolved	341		15.0	100	1	04/29/2015 01:14	WG783447
Lead	0.733	J	0.240	2.00	1	04/27/2015 20:12	WG783158
Lead,Dissolved	U		0.240	2.00	1	04/29/2015 01:14	WG783447
Manganese	918		0.250	5.00	1	04/27/2015 20:12	WG783158
Manganese,Dissolved	917		0.250	5.00	1	04/29/2015 01:14	WG783447
Potassium	526	J	37.0	1000	1	04/27/2015 20:12	WG783158
Selenium	2.50		0.380	2.00	1	04/27/2015 20:12	WG783158
Selenium,Dissolved	3.28		0.380	2.00	1	04/29/2015 01:14	WG783447
Sodium	151000		110	1000	1	04/27/2015 20:12	WG783158

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TPH (GC/FID) Low Fraction	U		31.0	100	1	04/23/2015 19:54	WG784071
(S) a,a,a-Trifluorotoluene(FID) 114				62.0-128		04/23/2015 19:54	WG784071

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U	J4	10.0	50.0	1	04/26/2015 02:56	WG783750
Benzene	U		0.330	1.00	1	04/26/2015 02:56	WG783750
Bromodichloromethane	U		0.380	1.00	1	04/26/2015 02:56	WG783750
Bromoform	U		0.470	1.00	1	04/26/2015 02:56	WG783750
Bromomethane	U		0.870	5.00	1	04/26/2015 02:56	WG783750
n-Butylbenzene	U		0.360	1.00	1	04/26/2015 02:56	WG783750
sec-Butylbenzene	U		0.360	1.00	1	04/26/2015 02:56	WG783750
Carbon disulfide	U	J3	0.280	1.00	1	04/26/2015 02:56	WG783750
Carbon tetrachloride	U		0.380	1.00	1	04/26/2015 02:56	WG783750
Chlorobenzene	U		0.350	1.00	1	04/26/2015 02:56	WG783750



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chlorodibromomethane	U		0.330	1.00	1	04/26/2015 02:56	WG783750
Chloroethane	U		0.450	5.00	1	04/26/2015 02:56	WG783750
Chloroform	U		0.320	5.00	1	04/26/2015 02:56	WG783750
Chloromethane	U		0.280	2.50	1	04/26/2015 02:56	WG783750
1,2-Dibromoethane	U		0.380	1.00	1	04/26/2015 02:56	WG783750
1,1-Dichloroethane	U		0.260	1.00	1	04/26/2015 02:56	WG783750
1,2-Dichloroethane	0.497	U	0.360	1.00	1	04/26/2015 02:56	WG783750
1,1-Dichloroethene	U		0.400	1.00	1	04/26/2015 02:56	WG783750
cis-1,2-Dichloroethene	U		0.260	1.00	1	04/26/2015 02:56	WG783750
trans-1,2-Dichloroethene	U		0.400	1.00	1	04/26/2015 02:56	WG783750
1,2-Dichloropropane	U		0.310	1.00	1	04/26/2015 02:56	WG783750
cis-1,3-Dichloropropene	U		0.420	1.00	1	04/26/2015 02:56	WG783750
trans-1,3-Dichloropropene	U		0.420	1.00	1	04/26/2015 02:56	WG783750
Ethylbenzene	U		0.380	1.00	1	04/26/2015 02:56	WG783750
Isopropylbenzene	U		0.330	1.00	1	04/26/2015 02:56	WG783750
p-Isopropyltoluene	U		0.350	1.00	1	04/26/2015 02:56	WG783750
2-Butanone (MEK)	U		3.90	10.0	1	04/26/2015 02:56	WG783750
2-Hexanone	U		3.80	10.0	1	04/26/2015 02:56	WG783750
Methylene Chloride	1.14	U	1.00	5.00	1	04/26/2015 02:56	WG783750
4-Methyl-2-pentanone (MIBK)	U		2.10	10.0	1	04/26/2015 02:56	WG783750
Methyl tert-butyl ether	17.8		0.370	1.00	1	04/26/2015 02:56	WG783750
Naphthalene	U		1.00	5.00	1	04/26/2015 02:56	WG783750
n-Propylbenzene	U		0.350	1.00	1	04/26/2015 02:56	WG783750
Styrene	U		0.310	1.00	1	04/26/2015 02:56	WG783750
1,1,1,2-Tetrachloroethane	U		0.380	1.00	1	04/26/2015 02:56	WG783750
1,1,2,2-Tetrachloroethane	U		0.130	1.00	1	04/26/2015 02:56	WG783750
Tetrachloroethene	U		0.370	1.00	1	04/26/2015 02:56	WG783750
Toluene	U		0.780	5.00	1	04/26/2015 02:56	WG783750
1,1,1-Trichloroethane	U		0.319	1.00	1	04/26/2015 02:56	WG783750
1,1,2-Trichloroethane	U		0.380	1.00	1	04/26/2015 02:56	WG783750
Trichloroethene	U		0.400	1.00	1	04/26/2015 02:56	WG783750
1,2,4-Trimethylbenzene	U		0.370	1.00	1	04/26/2015 02:56	WG783750
1,3,5-Trimethylbenzene	U		0.390	1.00	1	04/26/2015 02:56	WG783750
Vinyl chloride	U		0.260	1.00	1	04/26/2015 02:56	WG783750
o-Xylene	U		0.340	1.00	1	04/26/2015 02:56	WG783750
m&p-Xylene	U		0.720	1.00	1	04/26/2015 02:56	WG783750
Xylenes, Total	U		1.10	3.00	1	04/26/2015 02:56	WG783750
(S) Toluene-d8	107			88.5-111		04/26/2015 02:56	WG783750
(S) Dibromofluoromethane	110			78.3-121		04/26/2015 02:56	WG783750
(S) 4-Bromofluorobenzene	98.8			71.0-126		04/26/2015 02:56	WG783750

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

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	330		25.0	100	1	04/23/2015 02:21	WG783640
(S) o-Terphenyl	112			50.0-150		04/23/2015 02:21	WG783640



Gravimetric Analysis by Method 2540 C-2011

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Dissolved Solids	1680000		2800	10000	1	04/24/2015 19:34	WG784000

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 353.2

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		200	1000	10	05/01/2015 04:15	WG785028

Wet Chemistry by Method 9056MOD

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chloride	402000		5200	100000	100	04/28/2015 23:44	WG785224
Fluoride	860		9.90	100	1	04/28/2015 17:29	WG785224
Sulfate	78400		77.0	5000	1	04/28/2015 17:29	WG785224

Metals (ICPMS) by Method 6020

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Arsenic	2.48		0.250	2.00	1	04/27/2015 20:15	WG783158
Arsenic,Dissolved	U		2.50	20.0	10	04/29/2015 10:24	WG783447
Barium	816		0.360	5.00	1	04/27/2015 20:15	WG783158
Barium,Dissolved	802		3.60	50.0	10	04/29/2015 10:24	WG783447
Calcium	184000		46.0	1000	1	04/27/2015 20:15	WG783158
Chromium	3.20		0.540	2.00	1	04/27/2015 20:15	WG783158
Chromium,Dissolved	U		5.40	20.0	10	04/29/2015 10:24	WG783447
Iron	140		15.0	100	1	04/27/2015 20:15	WG783158
Iron,Dissolved	394	J	150	1000	10	04/29/2015 10:24	WG783447
Lead	3.97		0.240	2.00	1	04/27/2015 20:15	WG783158
Lead,Dissolved	3.05	J	2.40	20.0	10	04/29/2015 10:24	WG783447
Manganese	845		0.250	5.00	1	04/27/2015 20:15	WG783158
Manganese,Dissolved	886		2.50	50.0	10	04/29/2015 10:24	WG783447
Potassium	319	J	37.0	1000	1	04/27/2015 20:15	WG783158
Selenium	2.34		0.380	2.00	1	04/27/2015 20:15	WG783158
Selenium,Dissolved	32.6		3.80	20.0	10	04/29/2015 10:24	WG783447
Sodium	274000		110	1000	1	04/27/2015 20:15	WG783158

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U	J4	100	500	10	04/26/2015 03:14	WG783750
Benzene	4070		66.0	200	200	04/30/2015 00:41	WG785673
Bromodichloromethane	U		3.80	10.0	10	04/26/2015 03:14	WG783750
Bromoform	U		4.70	10.0	10	04/26/2015 03:14	WG783750
Bromomethane	U		8.70	50.0	10	04/26/2015 03:14	WG783750
n-Butylbenzene	8.56	J	3.60	10.0	10	04/26/2015 03:14	WG783750
sec-Butylbenzene	9.67	J	3.60	10.0	10	04/26/2015 03:14	WG783750
Carbon disulfide	U	J3	2.80	10.0	10	04/26/2015 03:14	WG783750
Carbon tetrachloride	U		3.80	10.0	10	04/26/2015 03:14	WG783750
Chlorobenzene	U		3.50	10.0	10	04/26/2015 03:14	WG783750
Chlorodibromomethane	U		3.30	10.0	10	04/26/2015 03:14	WG783750
Chloroethane	U		4.50	50.0	10	04/26/2015 03:14	WG783750
Chloroform	U		3.20	50.0	10	04/26/2015 03:14	WG783750
Chloromethane	U		2.80	25.0	10	04/26/2015 03:14	WG783750
1,2-Dibromoethane	U		3.80	10.0	10	04/26/2015 03:14	WG783750
1,1-Dichloroethane	U		2.60	10.0	10	04/26/2015 03:14	WG783750



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		3.60	10.0	10	04/26/2015 03:14	WG783750
1,1-Dichloroethene	U		4.00	10.0	10	04/26/2015 03:14	WG783750
cis-1,2-Dichloroethene	U		2.60	10.0	10	04/26/2015 03:14	WG783750
trans-1,2-Dichloroethene	U		4.00	10.0	10	04/26/2015 03:14	WG783750
1,2-Dichloropropane	U		3.10	10.0	10	04/26/2015 03:14	WG783750
cis-1,3-Dichloropropene	U		4.20	10.0	10	04/26/2015 03:14	WG783750
trans-1,3-Dichloropropene	U		4.20	10.0	10	04/26/2015 03:14	WG783750
Ethylbenzene	1090		3.80	10.0	10	04/26/2015 03:14	WG783750
Isopropylbenzene	52.5		3.30	10.0	10	04/26/2015 03:14	WG783750
p-Isopropyltoluene	5.21	J	3.50	10.0	10	04/26/2015 03:14	WG783750
2-Butanone (MEK)	U		39.0	100	10	04/26/2015 03:14	WG783750
2-Hexanone	U		38.0	100	10	04/26/2015 03:14	WG783750
Methylene Chloride	U		10.0	50.0	10	04/26/2015 03:14	WG783750
4-Methyl-2-pentanone (MIBK)	U		21.0	100	10	04/26/2015 03:14	WG783750
Methyl tert-butyl ether	178		3.70	10.0	10	04/26/2015 03:14	WG783750
Naphthalene	164		10.0	50.0	10	04/26/2015 03:14	WG783750
n-Propylbenzene	103		3.50	10.0	10	04/26/2015 03:14	WG783750
Styrene	U		3.10	10.0	10	04/26/2015 03:14	WG783750
1,1,1,2-Tetrachloroethane	U		3.80	10.0	10	04/26/2015 03:14	WG783750
1,1,2,2-Tetrachloroethane	U		1.30	10.0	10	04/26/2015 03:14	WG783750
Tetrachloroethene	U		3.70	10.0	10	04/26/2015 03:14	WG783750
Toluene	216		7.80	50.0	10	04/26/2015 03:14	WG783750
1,1,1-Trichloroethane	U		3.19	10.0	10	04/26/2015 03:14	WG783750
1,1,2-Trichloroethane	U		3.80	10.0	10	04/26/2015 03:14	WG783750
Trichloroethene	U		4.00	10.0	10	04/26/2015 03:14	WG783750
1,2,4-Trimethylbenzene	575		3.70	10.0	10	04/26/2015 03:14	WG783750
1,3,5-Trimethylbenzene	85.3		3.90	10.0	10	04/26/2015 03:14	WG783750
Vinyl chloride	U		2.60	10.0	10	04/26/2015 03:14	WG783750
o-Xylene	95.2		3.40	10.0	10	04/26/2015 03:14	WG783750
m&p-Xylene	850		7.20	10.0	10	04/26/2015 03:14	WG783750
Xylenes, Total	945		11.0	30.0	10	04/26/2015 03:14	WG783750
(S) Toluene-d8	101			88.5-111		04/26/2015 03:14	WG783750
(S) Dibromofluoromethane	79.9			78.3-121		04/26/2015 03:14	WG783750
(S) 4-Bromofluorobenzene	103			71.0-126		04/26/2015 03:14	WG783750

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

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	5400		25.0	100	1	04/23/2015 02:40	WG783640
(S) o-Terphenyl	118			50.0-150		04/23/2015 02:40	WG783640



Gravimetric Analysis by Method 2540 C-2011

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Dissolved Solids	1430000		2800	10000	1	04/24/2015 19:35	WG784000

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 353.2

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		200	1000	10	05/01/2015 02:45	WG785031

Wet Chemistry by Method 9056MOD

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chloride	256000		5200	100000	100	04/28/2015 23:58	WG785224
Fluoride	530		9.90	100	1	04/28/2015 17:43	WG785224
Sulfate	125000		150	10000	2	04/29/2015 18:27	WG785509

Metals (ICPMS) by Method 6020

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Arsenic	3.75	J	1.20	10.0	5	04/27/2015 15:10	WG783158
Arsenic,Dissolved	1.71	J	0.250	2.00	1	04/29/2015 01:18	WG783447
Barium	527		1.80	25.0	5	04/27/2015 15:10	WG783158
Barium,Dissolved	464		0.360	5.00	1	04/29/2015 01:18	WG783447
Calcium	228000		230	5000	5	04/27/2015 15:10	WG783158
Chromium	U		2.70	10.0	5	04/27/2015 15:10	WG783158
Chromium,Dissolved	U		0.540	2.00	1	04/29/2015 01:18	WG783447
Iron	1750		75.0	500	5	04/27/2015 15:10	WG783158
Iron,Dissolved	270		15.0	100	1	04/29/2015 01:18	WG783447
Lead	3.54	J	1.20	10.0	5	04/27/2015 15:10	WG783158
Lead,Dissolved	U		0.240	2.00	1	04/29/2015 01:18	WG783447
Manganese	872		1.20	25.0	5	04/27/2015 15:10	WG783158
Manganese,Dissolved	717		0.250	5.00	1	04/29/2015 01:18	WG783447
Potassium	U		180	5000	5	04/27/2015 15:10	WG783158
Selenium	U		1.90	10.0	5	04/27/2015 15:10	WG783158
Selenium,Dissolved	4.88		0.380	2.00	1	04/29/2015 01:18	WG783447
Sodium	228000		550	5000	5	04/27/2015 15:10	WG783158

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U	J4	100	500	10	04/26/2015 03:32	WG783750
Benzene	1870		33.0	100	100	04/30/2015 01:02	WG785673
Bromodichloromethane	U		3.80	10.0	10	04/26/2015 03:32	WG783750
Bromoform	U		4.70	10.0	10	04/26/2015 03:32	WG783750
Bromomethane	U		8.70	50.0	10	04/26/2015 03:32	WG783750
n-Butylbenzene	8.46	J	3.60	10.0	10	04/26/2015 03:32	WG783750
sec-Butylbenzene	9.31	J	3.60	10.0	10	04/26/2015 03:32	WG783750
Carbon disulfide	U	J3	2.80	10.0	10	04/26/2015 03:32	WG783750
Carbon tetrachloride	U		3.80	10.0	10	04/26/2015 03:32	WG783750
Chlorobenzene	U		3.50	10.0	10	04/26/2015 03:32	WG783750
Chlorodibromomethane	U		3.30	10.0	10	04/26/2015 03:32	WG783750
Chloroethane	U		4.50	50.0	10	04/26/2015 03:32	WG783750
Chloroform	U		3.20	50.0	10	04/26/2015 03:32	WG783750
Chloromethane	U		2.80	25.0	10	04/26/2015 03:32	WG783750
1,2-Dibromoethane	U		3.80	10.0	10	04/26/2015 03:32	WG783750
1,1-Dichloroethane	U		2.60	10.0	10	04/26/2015 03:32	WG783750



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		3.60	10.0	10	04/26/2015 03:32	WG783750
1,1-Dichloroethene	U		4.00	10.0	10	04/26/2015 03:32	WG783750
cis-1,2-Dichloroethene	U		2.60	10.0	10	04/26/2015 03:32	WG783750
trans-1,2-Dichloroethene	U		4.00	10.0	10	04/26/2015 03:32	WG783750
1,2-Dichloropropane	U		3.10	10.0	10	04/26/2015 03:32	WG783750
cis-1,3-Dichloropropene	U		4.20	10.0	10	04/26/2015 03:32	WG783750
trans-1,3-Dichloropropene	U		4.20	10.0	10	04/26/2015 03:32	WG783750
Ethylbenzene	973		3.80	10.0	10	04/26/2015 03:32	WG783750
Isopropylbenzene	45.6		3.30	10.0	10	04/26/2015 03:32	WG783750
p-Isopropyltoluene	4.01	J	3.50	10.0	10	04/26/2015 03:32	WG783750
2-Butanone (MEK)	U		39.0	100	10	04/26/2015 03:32	WG783750
2-Hexanone	U		38.0	100	10	04/26/2015 03:32	WG783750
Methylene Chloride	U		10.0	50.0	10	04/26/2015 03:32	WG783750
4-Methyl-2-pentanone (MIBK)	U		21.0	100	10	04/26/2015 03:32	WG783750
Methyl tert-butyl ether	209		3.70	10.0	10	04/26/2015 03:32	WG783750
Naphthalene	183		10.0	50.0	10	04/26/2015 03:32	WG783750
n-Propylbenzene	98.0		3.50	10.0	10	04/26/2015 03:32	WG783750
Styrene	U		3.10	10.0	10	04/26/2015 03:32	WG783750
1,1,1,2-Tetrachloroethane	U		3.80	10.0	10	04/26/2015 03:32	WG783750
1,1,2,2-Tetrachloroethane	U		1.30	10.0	10	04/26/2015 03:32	WG783750
Tetrachloroethene	U		3.70	10.0	10	04/26/2015 03:32	WG783750
Toluene	211		7.80	50.0	10	04/26/2015 03:32	WG783750
1,1,1-Trichloroethane	U		3.19	10.0	10	04/26/2015 03:32	WG783750
1,1,2-Trichloroethane	U		3.80	10.0	10	04/26/2015 03:32	WG783750
Trichloroethene	U		4.00	10.0	10	04/26/2015 03:32	WG783750
1,2,4-Trimethylbenzene	539		3.70	10.0	10	04/26/2015 03:32	WG783750
1,3,5-Trimethylbenzene	113		3.90	10.0	10	04/26/2015 03:32	WG783750
Vinyl chloride	U		2.60	10.0	10	04/26/2015 03:32	WG783750
o-Xylene	59.0		3.40	10.0	10	04/26/2015 03:32	WG783750
m&p-Xylene	1300		7.20	10.0	10	04/26/2015 03:32	WG783750
Xylenes, Total	1350		11.0	30.0	10	04/26/2015 03:32	WG783750
(S) Toluene-d8	103			88.5-111		04/26/2015 03:32	WG783750
(S) Dibromofluoromethane	89.6			78.3-121		04/26/2015 03:32	WG783750
(S) 4-Bromofluorobenzene	105			71.0-126		04/26/2015 03:32	WG783750

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

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	2100		25.0	100	1	04/23/2015 02:58	WG783640
(S) o-Terphenyl	120			50.0-150		04/23/2015 02:58	WG783640



Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Dissolved Solids	1190000		2800	10000	1	04/27/2015 09:31	WG784340

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Nitrate-Nitrite	U		200	1000	10	05/01/2015 02:48	WG785031

Wet Chemistry by Method 9056MOD

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	174000		5200	100000	100	04/29/2015 00:13	WG785224
Fluoride	1190		9.90	100	1	04/28/2015 17:58	WG785224
Sulfate	116000		150	10000	2	04/29/2015 18:41	WG785509

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic	8.97		0.250	2.00	1	04/27/2015 20:40	WG783158
Arsenic,Dissolved	10.2		0.250	2.00	1	04/29/2015 05:58	WG783447
Barium	157		0.360	5.00	1	04/27/2015 20:40	WG783158
Barium,Dissolved	138		0.360	5.00	1	04/29/2015 05:58	WG783447
Calcium	163000		46.0	1000	1	04/27/2015 20:40	WG783158
Chromium	U		0.540	2.00	1	04/27/2015 20:40	WG783158
Chromium,Dissolved	U		0.540	2.00	1	04/29/2015 05:58	WG783447
Iron	5530		15.0	100	1	04/27/2015 20:40	WG783158
Iron,Dissolved	2590		15.0	100	1	04/29/2015 05:58	WG783447
Lead	1.45	J	0.240	2.00	1	04/27/2015 20:40	WG783158
Lead,Dissolved	0.513	J	0.240	2.00	1	04/29/2015 05:58	WG783447
Manganese	312		0.250	5.00	1	04/27/2015 20:40	WG783158
Manganese,Dissolved	290		0.250	5.00	1	04/29/2015 05:58	WG783447
Potassium	323	J	37.0	1000	1	04/27/2015 20:40	WG783158
Selenium	1.24	J	0.380	2.00	1	04/27/2015 20:40	WG783158
Selenium,Dissolved	3.25		0.380	2.00	1	04/29/2015 05:58	WG783447
Sodium	122000		110	1000	1	04/27/2015 20:40	WG783158

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TPH (GC/FID) Low Fraction	11300		160	500	5	04/23/2015 20:16	WG784071
(S) a,a,a-Trifluorotoluene(FID) 109				62.0-128		04/23/2015 20:16	WG784071

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U	J4	1000	5000	100	04/26/2015 03:51	WG783750
Benzene	788		33.0	100	100	04/26/2015 03:51	WG783750
Bromodichloromethane	U		38.0	100	100	04/26/2015 03:51	WG783750
Bromoform	U		47.0	100	100	04/26/2015 03:51	WG783750
Bromomethane	U		87.0	500	100	04/26/2015 03:51	WG783750
n-Butylbenzene	U		36.0	100	100	04/26/2015 03:51	WG783750
sec-Butylbenzene	U		36.0	100	100	04/26/2015 03:51	WG783750
Carbon disulfide	U	J3	28.0	100	100	04/26/2015 03:51	WG783750
Carbon tetrachloride	U		38.0	100	100	04/26/2015 03:51	WG783750
Chlorobenzene	U		35.0	100	100	04/26/2015 03:51	WG783750



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chlorodibromomethane	U		33.0	100	100	04/26/2015 03:51	WG783750
Chloroethane	U		45.0	500	100	04/26/2015 03:51	WG783750
Chloroform	U		32.0	500	100	04/26/2015 03:51	WG783750
Chloromethane	U		28.0	250	100	04/26/2015 03:51	WG783750
1,2-Dibromoethane	U		38.0	100	100	04/26/2015 03:51	WG783750
1,1-Dichloroethane	U		26.0	100	100	04/26/2015 03:51	WG783750
1,2-Dichloroethane	U		36.0	100	100	04/26/2015 03:51	WG783750
1,1-Dichloroethene	U		40.0	100	100	04/26/2015 03:51	WG783750
cis-1,2-Dichloroethene	U		26.0	100	100	04/26/2015 03:51	WG783750
trans-1,2-Dichloroethene	U		40.0	100	100	04/26/2015 03:51	WG783750
1,2-Dichloropropane	U		31.0	100	100	04/26/2015 03:51	WG783750
cis-1,3-Dichloropropene	U		42.0	100	100	04/26/2015 03:51	WG783750
trans-1,3-Dichloropropene	U		42.0	100	100	04/26/2015 03:51	WG783750
Ethylbenzene	199		38.0	100	100	04/26/2015 03:51	WG783750
Isopropylbenzene	U		33.0	100	100	04/26/2015 03:51	WG783750
p-Isopropyltoluene	U		35.0	100	100	04/26/2015 03:51	WG783750
2-Butanone (MEK)	U		390	1000	100	04/26/2015 03:51	WG783750
2-Hexanone	U		380	1000	100	04/26/2015 03:51	WG783750
Methylene Chloride	U		100	500	100	04/26/2015 03:51	WG783750
4-Methyl-2-pentanone (MIBK)	U		210	1000	100	04/26/2015 03:51	WG783750
Methyl tert-butyl ether	6670		37.0	100	100	04/26/2015 03:51	WG783750
Naphthalene	U		100	500	100	04/26/2015 03:51	WG783750
n-Propylbenzene	45.1	U	35.0	100	100	04/26/2015 03:51	WG783750
Styrene	U		31.0	100	100	04/26/2015 03:51	WG783750
1,1,1,2-Tetrachloroethane	U		38.0	100	100	04/26/2015 03:51	WG783750
1,1,2,2-Tetrachloroethane	U		13.0	100	100	04/26/2015 03:51	WG783750
Tetrachloroethene	U		37.0	100	100	04/26/2015 03:51	WG783750
Toluene	U		78.0	500	100	04/26/2015 03:51	WG783750
1,1,1-Trichloroethane	U		31.9	100	100	04/26/2015 03:51	WG783750
1,1,2-Trichloroethane	U		38.0	100	100	04/26/2015 03:51	WG783750
Trichloroethene	U		40.0	100	100	04/26/2015 03:51	WG783750
1,2,4-Trimethylbenzene	138		37.0	100	100	04/26/2015 03:51	WG783750
1,3,5-Trimethylbenzene	U		39.0	100	100	04/26/2015 03:51	WG783750
Vinyl chloride	U		26.0	100	100	04/26/2015 03:51	WG783750
o-Xylene	U		34.0	100	100	04/26/2015 03:51	WG783750
m&p-Xylene	108		72.0	100	100	04/26/2015 03:51	WG783750
Xylenes, Total	U		110	300	100	04/26/2015 03:51	WG783750
(S) Toluene-d8	104			88.5-111		04/26/2015 03:51	WG783750
(S) Dibromofluoromethane	103			78.3-121		04/26/2015 03:51	WG783750
(S) 4-Bromofluorobenzene	95.4			71.0-126		04/26/2015 03:51	WG783750

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

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	3100		25.0	100	1	04/23/2015 03:17	WG783640
(S) o-Terphenyl	116			50.0-150		04/23/2015 03:17	WG783640



Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Dissolved Solids	5520000		2800	10000	1	04/27/2015 09:29	WG784340

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Nitrate-Nitrite	8150	J6	20.0	100	1	05/01/2015 02:49	WG785031

Wet Chemistry by Method 9056MOD

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	767000		5200	100000	100	04/28/2015 18:12	WG785224
Fluoride	1240		9.90	100	1	04/28/2015 20:07	WG785224
Sulfate	3470000		7700	500000	100	04/28/2015 18:12	WG785224

Metals (ICPMS) by Method 6020

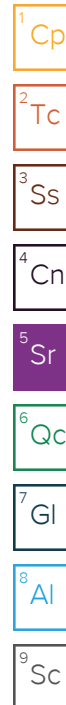
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic	8.81	J	1.20	10.0	5	04/27/2015 15:19	WG783158
Arsenic,Dissolved	6.34	J	1.20	10.0	5	04/29/2015 06:02	WG783447
Barium	14.3	J	1.80	25.0	5	04/27/2015 15:19	WG783158
Barium,Dissolved	11.5	J	1.80	25.0	5	04/29/2015 06:02	WG783447
Calcium	840000		230	5000	5	04/27/2015 15:19	WG783158
Chromium	2.85	J	2.70	10.0	5	04/27/2015 15:19	WG783158
Chromium,Dissolved	U		2.70	10.0	5	04/29/2015 06:02	WG783447
Iron	234	J	75.0	500	5	04/27/2015 15:19	WG783158
Iron,Dissolved	U		75.0	500	5	04/29/2015 06:02	WG783447
Lead	U		1.20	10.0	5	04/27/2015 15:19	WG783158
Lead,Dissolved	U		1.20	10.0	5	04/29/2015 06:02	WG783447
Manganese	7.73	J	1.20	25.0	5	04/27/2015 15:19	WG783158
Manganese,Dissolved	5.04	J	1.20	25.0	5	04/29/2015 06:02	WG783447
Potassium	2210	J	180	5000	5	04/27/2015 15:19	WG783158
Selenium	19.7		1.90	10.0	5	04/27/2015 15:19	WG783158
Selenium,Dissolved	18.0		1.90	10.0	5	04/29/2015 06:02	WG783447
Sodium	454000		550	5000	5	04/27/2015 15:19	WG783158

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TPH (GC/FID) Low Fraction	U		31.0	100	1	04/22/2015 16:40	WG783800
(S) a,a,a-Trifluorotoluene(FID)	94.9			62.0-128		04/22/2015 16:40	WG783800

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U	J4	10.0	50.0	1	04/26/2015 04:09	WG783750
Benzene	U		0.330	1.00	1	04/26/2015 04:09	WG783750
Bromodichloromethane	U		0.380	1.00	1	04/26/2015 04:09	WG783750
Bromoform	U		0.470	1.00	1	04/26/2015 04:09	WG783750
Bromomethane	U		0.870	5.00	1	04/26/2015 04:09	WG783750
n-Butylbenzene	U		0.360	1.00	1	04/26/2015 04:09	WG783750
sec-Butylbenzene	U		0.360	1.00	1	04/26/2015 04:09	WG783750
Carbon disulfide	U	J3	0.280	1.00	1	04/26/2015 04:09	WG783750
Carbon tetrachloride	U		0.380	1.00	1	04/26/2015 04:09	WG783750
Chlorobenzene	U		0.350	1.00	1	04/26/2015 04:09	WG783750





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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chlorodibromomethane	U		0.330	1.00	1	04/26/2015 04:09	WG783750
Chloroethane	U		0.450	5.00	1	04/26/2015 04:09	WG783750
Chloroform	U		0.320	5.00	1	04/26/2015 04:09	WG783750
Chloromethane	U		0.280	2.50	1	04/26/2015 04:09	WG783750
1,2-Dibromoethane	U		0.380	1.00	1	04/26/2015 04:09	WG783750
1,1-Dichloroethane	U		0.260	1.00	1	04/26/2015 04:09	WG783750
1,2-Dichloroethane	U		0.360	1.00	1	04/26/2015 04:09	WG783750
1,1-Dichloroethene	U		0.400	1.00	1	04/26/2015 04:09	WG783750
cis-1,2-Dichloroethene	U		0.260	1.00	1	04/26/2015 04:09	WG783750
trans-1,2-Dichloroethene	U		0.400	1.00	1	04/26/2015 04:09	WG783750
1,2-Dichloropropane	U		0.310	1.00	1	04/26/2015 04:09	WG783750
cis-1,3-Dichloropropene	U		0.420	1.00	1	04/26/2015 04:09	WG783750
trans-1,3-Dichloropropene	U		0.420	1.00	1	04/26/2015 04:09	WG783750
Ethylbenzene	U		0.380	1.00	1	04/26/2015 04:09	WG783750
Isopropylbenzene	U		0.330	1.00	1	04/26/2015 04:09	WG783750
p-Isopropyltoluene	U		0.350	1.00	1	04/26/2015 04:09	WG783750
2-Butanone (MEK)	U		3.90	10.0	1	04/26/2015 04:09	WG783750
2-Hexanone	U		3.80	10.0	1	04/26/2015 04:09	WG783750
Methylene Chloride	1.22	U	1.00	5.00	1	04/26/2015 04:09	WG783750
4-Methyl-2-pentanone (MIBK)	U		2.10	10.0	1	04/26/2015 04:09	WG783750
Methyl tert-butyl ether	U		0.370	1.00	1	04/26/2015 04:09	WG783750
Naphthalene	U		1.00	5.00	1	04/26/2015 04:09	WG783750
n-Propylbenzene	U		0.350	1.00	1	04/26/2015 04:09	WG783750
Styrene	U		0.310	1.00	1	04/26/2015 04:09	WG783750
1,1,1,2-Tetrachloroethane	U		0.380	1.00	1	04/26/2015 04:09	WG783750
1,1,2,2-Tetrachloroethane	U		0.130	1.00	1	04/26/2015 04:09	WG783750
Tetrachloroethene	U		0.370	1.00	1	04/26/2015 04:09	WG783750
Toluene	U		0.780	5.00	1	04/26/2015 04:09	WG783750
1,1,1-Trichloroethane	U		0.319	1.00	1	04/26/2015 04:09	WG783750
1,1,2-Trichloroethane	U		0.380	1.00	1	04/26/2015 04:09	WG783750
Trichloroethene	U		0.400	1.00	1	04/26/2015 04:09	WG783750
1,2,4-Trimethylbenzene	U		0.370	1.00	1	04/26/2015 04:09	WG783750
1,3,5-Trimethylbenzene	U		0.390	1.00	1	04/26/2015 04:09	WG783750
Vinyl chloride	U		0.260	1.00	1	04/26/2015 04:09	WG783750
o-Xylene	U		0.340	1.00	1	04/26/2015 04:09	WG783750
m&p-Xylene	U		0.720	1.00	1	04/26/2015 04:09	WG783750
Xylenes, Total	U		1.10	3.00	1	04/26/2015 04:09	WG783750
(S) Toluene-d8	105			88.5-111		04/26/2015 04:09	WG783750
(S) Dibromofluoromethane	107			78.3-121		04/26/2015 04:09	WG783750
(S) 4-Bromofluorobenzene	93.7			71.0-126		04/26/2015 04:09	WG783750

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

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	100		25.0	100	1	04/23/2015 03:36	WG783640
(S) o-Terphenyl	109			50.0-150		04/23/2015 03:36	WG783640



Gravimetric Analysis by Method 2540 C-2011

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Dissolved Solids	2740000		2800	10000	1	04/27/2015 09:32	WG784340

Wet Chemistry by Method 353.2

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	936		20.0	100	1	05/01/2015 02:52	WG785031

Wet Chemistry by Method 9056MOD

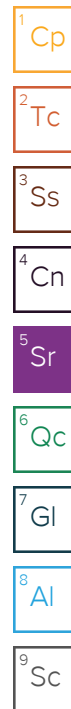
Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chloride	183000		5200	100000	100	04/28/2015 18:26	WG785224
Fluoride	415		9.90	100	1	04/28/2015 20:22	WG785224
Sulfate	1740000		7700	500000	100	04/28/2015 18:26	WG785224

Metals (ICPMS) by Method 6020

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Calcium	465000		46.0	1000	1	04/27/2015 20:42	WG783158
Potassium	2210		37.0	1000	1	04/27/2015 20:42	WG783158
Sodium	128000		110	1000	1	04/27/2015 20:42	WG783158

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U	J4	10.0	50.0	1	04/26/2015 04:28	WG783750
Benzene	U		0.330	1.00	1	04/26/2015 04:28	WG783750
Bromodichloromethane	U		0.380	1.00	1	04/26/2015 04:28	WG783750
Bromoform	U		0.470	1.00	1	04/26/2015 04:28	WG783750
Bromomethane	U		0.870	5.00	1	04/26/2015 04:28	WG783750
n-Butylbenzene	U		0.360	1.00	1	04/26/2015 04:28	WG783750
sec-Butylbenzene	U		0.360	1.00	1	04/26/2015 04:28	WG783750
Carbon disulfide	U	J3	0.280	1.00	1	04/26/2015 04:28	WG783750
Carbon tetrachloride	U		0.380	1.00	1	04/26/2015 04:28	WG783750
Chlorobenzene	U		0.350	1.00	1	04/26/2015 04:28	WG783750
Chlorodibromomethane	U		0.330	1.00	1	04/26/2015 04:28	WG783750
Chloroethane	U		0.450	5.00	1	04/26/2015 04:28	WG783750
Chloroform	U		0.320	5.00	1	04/26/2015 04:28	WG783750
Chloromethane	U		0.280	2.50	1	04/26/2015 04:28	WG783750
1,2-Dibromoethane	U		0.380	1.00	1	04/26/2015 04:28	WG783750
1,1-Dichloroethane	U		0.260	1.00	1	04/26/2015 04:28	WG783750
1,2-Dichloroethane	3.11		0.360	1.00	1	04/26/2015 04:28	WG783750
1,1-Dichloroethene	U		0.400	1.00	1	04/26/2015 04:28	WG783750
cis-1,2-Dichloroethene	U		0.260	1.00	1	04/26/2015 04:28	WG783750
trans-1,2-Dichloroethene	U		0.400	1.00	1	04/26/2015 04:28	WG783750
1,2-Dichloropropane	U		0.310	1.00	1	04/26/2015 04:28	WG783750
cis-1,3-Dichloropropene	U		0.420	1.00	1	04/26/2015 04:28	WG783750
trans-1,3-Dichloropropene	U		0.420	1.00	1	04/26/2015 04:28	WG783750
Ethylbenzene	U		0.380	1.00	1	04/26/2015 04:28	WG783750
Isopropylbenzene	U		0.330	1.00	1	04/26/2015 04:28	WG783750
p-Isopropyltoluene	U		0.350	1.00	1	04/26/2015 04:28	WG783750
2-Butanone (MEK)	U		3.90	10.0	1	04/26/2015 04:28	WG783750
2-Hexanone	U		3.80	10.0	1	04/26/2015 04:28	WG783750
Methylene Chloride	1.27	J	1.00	5.00	1	04/26/2015 04:28	WG783750
4-Methyl-2-pentanone (MIBK)	U		2.10	10.0	1	04/26/2015 04:28	WG783750





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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch	¹ Cp
Methyl tert-butyl ether	16.3		0.370	1.00	1	04/26/2015 04:28	WG783750	² Tc
Naphthalene	U		1.00	5.00	1	04/26/2015 04:28	WG783750	³ Ss
n-Propylbenzene	U		0.350	1.00	1	04/26/2015 04:28	WG783750	⁴ Cn
Styrene	U		0.310	1.00	1	04/26/2015 04:28	WG783750	⁵ Sr
1,1,1,2-Tetrachloroethane	U		0.380	1.00	1	04/26/2015 04:28	WG783750	⁶ Qc
1,1,2,2-Tetrachloroethane	U		0.130	1.00	1	04/26/2015 04:28	WG783750	⁷ Gl
Tetrachloroethene	U		0.370	1.00	1	04/26/2015 04:28	WG783750	⁸ Al
Toluene	U		0.780	5.00	1	04/26/2015 04:28	WG783750	⁹ Sc
1,1,1-Trichloroethane	U		0.319	1.00	1	04/26/2015 04:28	WG783750	
1,1,2-Trichloroethane	U		0.380	1.00	1	04/26/2015 04:28	WG783750	
Trichloroethene	U		0.400	1.00	1	04/26/2015 04:28	WG783750	
1,2,4-Trimethylbenzene	U		0.370	1.00	1	04/26/2015 04:28	WG783750	
1,3,5-Trimethylbenzene	U		0.390	1.00	1	04/26/2015 04:28	WG783750	
Vinyl chloride	U		0.260	1.00	1	04/26/2015 04:28	WG783750	
o-Xylene	U		0.340	1.00	1	04/26/2015 04:28	WG783750	
m&p-Xylene	U		0.720	1.00	1	04/26/2015 04:28	WG783750	
Xylenes, Total	U		1.10	3.00	1	04/26/2015 04:28	WG783750	
(S) Toluene-d8	106			88.5-111		04/26/2015 04:28	WG783750	
(S) Dibromofluoromethane	108			78.3-121		04/26/2015 04:28	WG783750	
(S) 4-Bromofluorobenzene	95.8			71.0-126		04/26/2015 04:28	WG783750	



Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Dissolved Solids	2170000		2800	10000	1	04/27/2015 09:30	WG784340

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Nitrate-Nitrite	U		20.0	100	1	05/01/2015 02:54	WG785031

Wet Chemistry by Method 9056MOD

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	144000		5200	100000	100	04/28/2015 18:41	WG785224
Fluoride	410		9.90	100	1	04/28/2015 20:36	WG785224
Sulfate	1400000		7700	500000	100	04/28/2015 18:41	WG785224

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Calcium	391000		46.0	1000	1	04/27/2015 20:45	WG783158
Potassium	2070		37.0	1000	1	04/27/2015 20:45	WG783158
Sodium	93400		110	1000	1	04/27/2015 20:45	WG783158

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U	J4	10.0	50.0	1	04/26/2015 04:46	WG783750
Benzene	U		0.330	1.00	1	04/26/2015 04:46	WG783750
Bromodichloromethane	U		0.380	1.00	1	04/26/2015 04:46	WG783750
Bromoform	U		0.470	1.00	1	04/26/2015 04:46	WG783750
Bromomethane	U		0.870	5.00	1	04/26/2015 04:46	WG783750
n-Butylbenzene	U		0.360	1.00	1	04/26/2015 04:46	WG783750
sec-Butylbenzene	U		0.360	1.00	1	04/26/2015 04:46	WG783750
Carbon disulfide	U	J3	0.280	1.00	1	04/26/2015 04:46	WG783750
Carbon tetrachloride	U		0.380	1.00	1	04/26/2015 04:46	WG783750
Chlorobenzene	U		0.350	1.00	1	04/26/2015 04:46	WG783750
Chlorodibromomethane	U		0.330	1.00	1	04/26/2015 04:46	WG783750
Chloroethane	U		0.450	5.00	1	04/26/2015 04:46	WG783750
Chloroform	U		0.320	5.00	1	04/26/2015 04:46	WG783750
Chloromethane	U		0.280	2.50	1	04/26/2015 04:46	WG783750
1,2-Dibromoethane	U		0.380	1.00	1	04/26/2015 04:46	WG783750
1,1-Dichloroethane	U		0.260	1.00	1	04/26/2015 04:46	WG783750
1,2-Dichloroethane	U		0.360	1.00	1	04/26/2015 04:46	WG783750
1,1-Dichloroethene	U		0.400	1.00	1	04/26/2015 04:46	WG783750
cis-1,2-Dichloroethene	U		0.260	1.00	1	04/26/2015 04:46	WG783750
trans-1,2-Dichloroethene	U		0.400	1.00	1	04/26/2015 04:46	WG783750
1,2-Dichloropropane	U		0.310	1.00	1	04/26/2015 04:46	WG783750
cis-1,3-Dichloropropene	U		0.420	1.00	1	04/26/2015 04:46	WG783750
trans-1,3-Dichloropropene	U		0.420	1.00	1	04/26/2015 04:46	WG783750
Ethylbenzene	U		0.380	1.00	1	04/26/2015 04:46	WG783750
Isopropylbenzene	U		0.330	1.00	1	04/26/2015 04:46	WG783750
p-Isopropyltoluene	U		0.350	1.00	1	04/26/2015 04:46	WG783750
2-Butanone (MEK)	U		3.90	10.0	1	04/26/2015 04:46	WG783750
2-Hexanone	U		3.80	10.0	1	04/26/2015 04:46	WG783750
Methylene Chloride	1.14	J	1.00	5.00	1	04/26/2015 04:46	WG783750
4-Methyl-2-pentanone (MIBK)	U		2.10	10.0	1	04/26/2015 04:46	WG783750

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	1.73		0.370	1.00	1	04/26/2015 04:46	WG783750
Naphthalene	U		1.00	5.00	1	04/26/2015 04:46	WG783750
n-Propylbenzene	U		0.350	1.00	1	04/26/2015 04:46	WG783750
Styrene	U		0.310	1.00	1	04/26/2015 04:46	WG783750
1,1,1,2-Tetrachloroethane	U		0.380	1.00	1	04/26/2015 04:46	WG783750
1,1,2,2-Tetrachloroethane	U		0.130	1.00	1	04/26/2015 04:46	WG783750
Tetrachloroethene	U		0.370	1.00	1	04/26/2015 04:46	WG783750
Toluene	U		0.780	5.00	1	04/26/2015 04:46	WG783750
1,1,1-Trichloroethane	U		0.319	1.00	1	04/26/2015 04:46	WG783750
1,1,2-Trichloroethane	U		0.380	1.00	1	04/26/2015 04:46	WG783750
Trichloroethene	U		0.400	1.00	1	04/26/2015 04:46	WG783750
1,2,4-Trimethylbenzene	U		0.370	1.00	1	04/26/2015 04:46	WG783750
1,3,5-Trimethylbenzene	U		0.390	1.00	1	04/26/2015 04:46	WG783750
Vinyl chloride	U		0.260	1.00	1	04/26/2015 04:46	WG783750
o-Xylene	U		0.340	1.00	1	04/26/2015 04:46	WG783750
m&p-Xylene	U		0.720	1.00	1	04/26/2015 04:46	WG783750
Xylenes, Total	U		1.10	3.00	1	04/26/2015 04:46	WG783750
(S) Toluene-d8	103			88.5-111		04/26/2015 04:46	WG783750
(S) Dibromofluoromethane	109			78.3-121		04/26/2015 04:46	WG783750
(S) 4-Bromofluorobenzene	93.0			71.0-126		04/26/2015 04:46	WG783750

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Dissolved Solids	808000		2800	10000	1	04/27/2015 09:32	WG784340

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Nitrate-Nitrite	U		20.0	100	1	05/01/2015 02:55	WG785031

Wet Chemistry by Method 9056MOD

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	19100		52.0	1000	1	04/28/2015 20:51	WG785224
Fluoride	914		9.90	100	1	04/28/2015 20:51	WG785224
Sulfate	605000		7700	500000	100	04/28/2015 18:55	WG785224

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Calcium	150000	<u>V</u>	46.0	1000	1	04/27/2015 19:52	WG783158
Potassium	1040		37.0	1000	1	04/27/2015 19:52	WG783158
Sodium	17800		110	1000	1	04/27/2015 19:52	WG783158

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U	<u>J4</u>	10.0	50.0	1	04/26/2015 05:04	WG783750
Benzene	0.366	<u>J</u>	0.330	1.00	1	04/26/2015 05:04	WG783750
Bromodichloromethane	U		0.380	1.00	1	04/26/2015 05:04	WG783750
Bromoform	U		0.470	1.00	1	04/26/2015 05:04	WG783750
Bromomethane	U		0.870	5.00	1	04/26/2015 05:04	WG783750
n-Butylbenzene	U		0.360	1.00	1	04/26/2015 05:04	WG783750
sec-Butylbenzene	U		0.360	1.00	1	04/26/2015 05:04	WG783750
Carbon disulfide	U	<u>J3</u>	0.280	1.00	1	04/26/2015 05:04	WG783750
Carbon tetrachloride	U		0.380	1.00	1	04/26/2015 05:04	WG783750
Chlorobenzene	U		0.350	1.00	1	04/26/2015 05:04	WG783750
Chlorodibromomethane	U		0.330	1.00	1	04/26/2015 05:04	WG783750
Chloroethane	U		0.450	5.00	1	04/26/2015 05:04	WG783750
Chloroform	U		0.320	5.00	1	04/26/2015 05:04	WG783750
Chloromethane	U		0.280	2.50	1	04/26/2015 05:04	WG783750
1,2-Dibromoethane	U		0.380	1.00	1	04/26/2015 05:04	WG783750
1,1-Dichloroethane	U		0.260	1.00	1	04/26/2015 05:04	WG783750
1,2-Dichloroethane	U		0.360	1.00	1	04/26/2015 05:04	WG783750
1,1-Dichloroethene	U		0.400	1.00	1	04/26/2015 05:04	WG783750
cis-1,2-Dichloroethene	U		0.260	1.00	1	04/26/2015 05:04	WG783750
trans-1,2-Dichloroethene	U		0.400	1.00	1	04/26/2015 05:04	WG783750
1,2-Dichloropropane	U		0.310	1.00	1	04/26/2015 05:04	WG783750
cis-1,3-Dichloropropene	U		0.420	1.00	1	04/26/2015 05:04	WG783750
trans-1,3-Dichloropropene	U		0.420	1.00	1	04/26/2015 05:04	WG783750
Ethylbenzene	U		0.380	1.00	1	04/26/2015 05:04	WG783750
Isopropylbenzene	U		0.330	1.00	1	04/26/2015 05:04	WG783750
p-Isopropyltoluene	U		0.350	1.00	1	04/26/2015 05:04	WG783750
2-Butanone (MEK)	U		3.90	10.0	1	04/26/2015 05:04	WG783750
2-Hexanone	U		3.80	10.0	1	04/26/2015 05:04	WG783750
Methylene Chloride	1.29	<u>J</u>	1.00	5.00	1	04/26/2015 05:04	WG783750
4-Methyl-2-pentanone (MIBK)	U		2.10	10.0	1	04/26/2015 05:04	WG783750

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch	¹ Cp
Methyl tert-butyl ether	U		0.370	1.00	1	04/26/2015 05:04	WG783750	² Tc
Naphthalene	U		1.00	5.00	1	04/26/2015 05:04	WG783750	³ Ss
n-Propylbenzene	U		0.350	1.00	1	04/26/2015 05:04	WG783750	⁴ Cn
Styrene	U		0.310	1.00	1	04/26/2015 05:04	WG783750	⁵ Sr
1,1,1,2-Tetrachloroethane	U		0.380	1.00	1	04/26/2015 05:04	WG783750	⁶ Qc
1,1,2,2-Tetrachloroethane	U		0.130	1.00	1	04/26/2015 05:04	WG783750	⁷ Gl
Tetrachloroethene	U		0.370	1.00	1	04/26/2015 05:04	WG783750	⁸ Al
Toluene	U		0.780	5.00	1	04/26/2015 05:04	WG783750	⁹ Sc
1,1,1-Trichloroethane	U		0.319	1.00	1	04/26/2015 05:04	WG783750	
1,1,2-Trichloroethane	U		0.380	1.00	1	04/26/2015 05:04	WG783750	
Trichloroethene	U		0.400	1.00	1	04/26/2015 05:04	WG783750	
1,2,4-Trimethylbenzene	U		0.370	1.00	1	04/26/2015 05:04	WG783750	
1,3,5-Trimethylbenzene	U		0.390	1.00	1	04/26/2015 05:04	WG783750	
Vinyl chloride	U		0.260	1.00	1	04/26/2015 05:04	WG783750	
o-Xylene	U		0.340	1.00	1	04/26/2015 05:04	WG783750	
m&p-Xylene	U		0.720	1.00	1	04/26/2015 05:04	WG783750	
Xylenes, Total	U		1.10	3.00	1	04/26/2015 05:04	WG783750	
(S) Toluene-d8	106			88.5-111		04/26/2015 05:04	WG783750	
(S) Dibromofluoromethane	109			78.3-121		04/26/2015 05:04	WG783750	
(S) 4-Bromofluorobenzene	93.9			71.0-126		04/26/2015 05:04	WG783750	



Method Blank (MB)

(MB) 04/24/15 19:37

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

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

L760265-05 Original Sample (OS) • Duplicate (DUP)

(OS) 04/24/15 19:34 • (DUP) 04/24/15 19:34

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	2960	2940	1	0.678		5

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

(LCS) 04/24/15 19:37 • (LCSD) 04/24/15 19:38

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Dissolved Solids	8800	8580	8600	97.5	97.7	85.0-115			0.233	5



Method Blank (MB)

(MB) 04/27/15 09:33

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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L760264-17 Original Sample (OS) • Duplicate (DUP)

(OS) 04/27/15 09:29 • (DUP) 04/27/15 09:29

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Dissolved Solids	2920	2920	1	0.000		5

L760276-12 Original Sample (OS) • Duplicate (DUP)

(OS) 04/27/15 09:26 • (DUP) 04/27/15 09:33

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Dissolved Solids	1980	2080	1	4.69		5

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

(LCS) 04/27/15 09:31 • (LCSD) 04/27/15 09:27

	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Analyte	mg/l	mg/l	mg/l	%	%	%			%	%
Dissolved Solids	8800	8700	8690	98.9	98.8	85.0-115			0.115	5



Method Blank (MB)

(MB) 05/01/15 03:37

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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L760269-06 Original Sample (OS) • Duplicate (DUP)

(OS) 05/01/15 04:04 • (DUP) 05/01/15 04:05

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Nitrate-Nitrite	2.9	2.9	1	0.00		20

L760264-15 Original Sample (OS) • Duplicate (DUP)

(OS) 05/01/15 03:45 • (DUP) 05/01/15 03:46

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Nitrate-Nitrite	4.6	4.6	1	0.00		20

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

(LCS) 05/01/15 03:40 • (LCSD) 05/01/15 03:41

	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Analyte	mg/l	mg/l	mg/l	%	%	%			%	%
Nitrate-Nitrite	5.00	5.16	5.19	103	104	90.0-110			0.580	20

L760264-16 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 05/01/15 03:47 • (MS) 05/01/15 03:49 • (MSD) 05/01/15 03:50

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/l	mg/l	mg/l	mg/l	%	%		%			%	%
Nitrate-Nitrite	5.00	1.03	6.09	6.07	102	101	1	90.0-110			0.329	20



Method Blank (MB)

(MB) 05/01/15 02:38

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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L760276-07 Original Sample (OS) • Duplicate (DUP)

(OS) 05/01/15 03:07 • (DUP) 05/01/15 03:08

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Nitrate-Nitrite	3.8	3.8	1	0.00		20

L760269-15 Original Sample (OS) • Duplicate (DUP)

(OS) 05/01/15 02:45 • (DUP) 05/01/15 02:46

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Nitrate-Nitrite	ND	ND	10	0.00		20

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

(LCS) 05/01/15 02:42 • (LCSD) 05/01/15 02:43

	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Analyte	mg/l	mg/l	mg/l	%	%	%			%	%
Nitrate-Nitrite	5.00	5.13	5.17	103	103	90.0-110			0.777	20

L760269-17 Original Sample (OS) • Matrix Spike (MS)

(OS) 05/01/15 02:49 • (MS) 05/01/15 02:50

	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Analyte	mg/l	mg/l	mg/l	%		%	
Nitrate-Nitrite	5.00	8.15	12.1	78.0	1	90.0-110	J6



Method Blank (MB)

(MB) 04/27/15 15:35

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

L760264-16 Original Sample (OS) • Duplicate (DUP)

(OS) 04/27/15 18:18 • (DUP) 04/27/15 18:33

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Chloride	27.5	27.7	1	0		20
Fluoride	0.716	0.718	1	0		20

L760269-11 Original Sample (OS) • Duplicate (DUP)

(OS) 04/27/15 23:02 • (DUP) 04/27/15 23:17

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Fluoride	1.15	1.15	1	0		20
Sulfate	19.0	19.0	1	0		20

L760264-16 Original Sample (OS) • Duplicate (DUP)

(OS) 04/28/15 10:43 • (DUP) 04/28/15 10:58

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Sulfate	1450	1440	20	1		20

L760269-11 Original Sample (OS) • Duplicate (DUP)

(OS) 04/28/15 14:42 • (DUP) 04/28/15 14:57

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Chloride	237	232	10	2		20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc



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

(LCS) 04/27/15 15:49 • (LCSD) 04/27/15 16:04

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
Chloride	40.0	39.4	39.5	99	99	90-110			0	20
Fluoride	8.00	7.89	7.89	99	99	90-110			0	20
Sulfate	40.0	39.0	39.0	98	98	90-110			0	20

L760264-19 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 04/27/15 19:18 • (MS) 04/27/15 19:33 • (MSD) 04/27/15 19:48

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD %	RPD Limits %
Chloride	50.0	0.0348	49.4	49.6	99	99	1	80-120			0	20
Fluoride	5.00	0.0321	5.11	5.04	102	100	1	80-120			1	20
Sulfate	50.0	ND	49.1	49.0	98	98	1	80-120			0	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc



Method Blank (MB)

(MB) 04/28/15 10:41

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

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

L761744-01 Original Sample (OS) • Duplicate (DUP)

(OS) 04/28/15 12:46 • (DUP) 04/28/15 13:00

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Sulfate	19.0	19.1	1	0		20

L761870-01 Original Sample (OS) • Duplicate (DUP)

(OS) 04/28/15 19:10 • (DUP) 04/28/15 19:24

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	17.5	17.7	1	1		20
Fluoride	0.310	0.268	1	15		20
Sulfate	58.3	58.3	1	0		20

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

(LCS) 04/28/15 10:56 • (LCSD) 04/28/15 11:10

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Chloride	40.0	39.6	39.6	99	99	90-110			0	20
Fluoride	8.00	8.08	8.15	101	102	90-110			1	20
Sulfate	40.0	39.3	39.5	98	99	90-110			0	20

L761743-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 04/28/15 13:14 • (MS) 04/28/15 13:29 • (MSD) 04/28/15 13:43

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Sulfate	50.0	11.8	61.9	63.3	100	103	1	80-120			2	20

Method Blank (MB)

(MB) 04/29/15 09:00

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/l		mg/l	mg/l
Sulfate	U		0.0774	5.00

L759578-13 Original Sample (OS) • Duplicate (DUP)

(OS) 04/29/15 11:55 • (DUP) 04/29/15 12:09

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Sulfate	86.8	83.4	10	4		20

L761954-01 Original Sample (OS) • Duplicate (DUP)

(OS) 04/29/15 13:59 • (DUP) 04/29/15 14:13

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Sulfate	15.7	15.6	1	0		20

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

(LCS) 04/29/15 09:14 • (LCSD) 04/29/15 09:29

	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Analyte	mg/l	mg/l	mg/l	%	%	%			%	%
Sulfate	40.0	40.8	40.8	102	102	90-110			0	20

L760623-10 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 04/29/15 12:24 • (MS) 04/29/15 12:38 • (MSD) 04/29/15 12:52

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/l	mg/l	mg/l	mg/l	%	%		%			%	%
Sulfate	50.0	16.2	65.5	66.9	99	101	1	80-120			2	20

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc



Method Blank (MB)

(MB) 04/27/15 12:26

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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

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

(LCS) 04/27/15 12:29 • (LCSD) 04/27/15 12:31

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Arsenic	0.0500	0.0540	0.0510	108	102	80-120			6	20
Barium	0.0500	0.0504	0.0501	101	100	80-120			1	20
Calcium	5.00	5.14	5.27	103	105	80-120			2	20
Chromium	0.0500	0.0536	0.0540	107	108	80-120			1	20
Iron	5.00	5.23	5.21	105	104	80-120			0	20
Lead	0.0500	0.0517	0.0528	103	106	80-120			2	20
Manganese	0.0500	0.0519	0.0522	104	104	80-120			1	20
Potassium	5.00	5.16	5.28	103	106	80-120			2	20
Selenium	0.0500	0.0543	0.0545	109	109	80-120			0	20
Sodium	5.00	5.20	5.44	104	109	80-120			5	20

L760269-20 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 04/27/15 19:52 • (MS) 04/27/15 19:54 • (MSD) 04/27/15 19:57

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	0.0500	0.00209	0.0497	0.0516	95	99	1	75-125			4	20
Barium	0.0500	0.0175	0.0637	0.0640	92	93	1	75-125			0	20
Calcium	5.00	150	151	153	26	65	1	75-125	V	V	1	20
Chromium	0.0500	0.000910	0.0481	0.0479	94	94	1	75-125			1	20
Potassium	5.00	1.04	5.64	5.62	92	92	1	75-125			0	20
Iron	5.00	3.02	7.46	7.49	89	89	1	75-125			0	20



L760269-20 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 04/27/15 19:52 • (MS) 04/27/15 19:54 • (MSD) 04/27/15 19:57

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD %	RPD Limits %
Lead	0.0500	0.00249	0.0512	0.0508	97	97	1	75-125			1	20
Manganese	0.0500	0.0296	0.0756	0.0753	92	91	1	75-125			0	20
Selenium	0.0500	0.000227	0.0489	0.0472	97	94	1	75-125			3	20
Sodium	5.00	17.8	22.1	22.1	86	86	1	75-125			0	20

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc



Method Blank (MB)

(MB) 04/29/15 00:50

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Arsenic,Dissolved	U		0.00025	0.00200
Barium,Dissolved	U		0.00036	0.00500
Chromium,Dissolved	U		0.00054	0.00200
Iron,Dissolved	0.0761		0.015	0.100
Lead,Dissolved	U		0.00024	0.00200
Manganese,Dissolved	0.000483		0.00025	0.00500
Selenium,Dissolved	U		0.00038	0.00200

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

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

(LCS) 04/29/15 00:53 • (LCSD) 04/29/15 00:55

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Arsenic,Dissolved	0.0500	0.0515	0.0519	103	104	80-120			1	20
Barium,Dissolved	0.0500	0.0519	0.0521	104	104	80-120			0	20
Chromium,Dissolved	0.0500	0.0527	0.0530	105	106	80-120			1	20
Iron,Dissolved	5.00	5.23	5.25	105	105	80-120			0	20
Lead,Dissolved	0.0500	0.0527	0.0525	105	105	80-120			0	20
Manganese,Dissolved	0.0500	0.0533	0.0526	107	105	80-120			1	20
Selenium,Dissolved	0.0500	0.0521	0.0513	104	103	80-120			2	20

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

L760264-10 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 04/29/15 00:58 • (MS) 04/29/15 01:03 • (MSD) 04/29/15 01:05

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic,Dissolved	0.0500	0.00412	0.0559	0.0492	104	90	1	75-125			13	20
Barium,Dissolved	0.0500	0.580	0.633	0.626	107	93	1	75-125			1	20
Chromium,Dissolved	0.0500	0.000777	0.0523	0.0512	103	101	1	75-125			2	20
Iron,Dissolved	5.00	0.255	5.22	99	1	75-125						
Lead,Dissolved	0.0500	0.00139	0.0549	0.0562	107	110	1	75-125			2	20
Manganese,Dissolved	0.0500	0.242	0.296	0.292	108	102	1	75-125			1	20
Selenium,Dissolved	0.0500	0.00302	0.00336	0.00474	1	3	1	75-125	J6	J3 J6	34	20



Method Blank (MB)

(MB) 04/29/15 00:49

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Arsenic,Dissolved	U		0.00025	0.00200
Barium,Dissolved	U		0.00036	0.00500
Chromium,Dissolved	U		0.00054	0.00200
Iron,Dissolved	U		0.015	0.100
Lead,Dissolved	U		0.00024	0.00200
Manganese,Dissolved	U		0.00025	0.00500
Selenium,Dissolved	U		0.00038	0.00200

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

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

(LCS) 04/29/15 05:45 • (LCSD) 04/29/15 00:54

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Arsenic,Dissolved	0.0500	0.0464	0.0511	93	102	80-120			10	20
Barium,Dissolved	0.0500	0.0442	0.0468	88	94	80-120			6	20
Chromium,Dissolved	0.0500	0.0446	0.0479	89	96	80-120			7	20
Iron,Dissolved	5.00	4.25	4.55	85	91	80-120			7	20
Lead,Dissolved	0.0500	0.0439	0.0483	88	97	80-120			10	20
Manganese,Dissolved	0.0500	0.0453	0.0474	91	95	80-120			5	20
Selenium,Dissolved	0.0500	0.0451	0.0489	90	98	80-120			8	20

L760276-13 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 04/29/15 00:56 • (MS) 04/29/15 01:00 • (MSD) 04/29/15 01:03

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic,Dissolved	0.0500	0.00571	0.0590	0.0615	107	112	1	75-125			4	20
Barium,Dissolved	0.0500	0.00941	0.0585	0.0611	98	103	1	75-125			4	20
Chromium,Dissolved	0.0500	0.00147	0.0469	0.0485	91	94	1	75-125			3	20
Iron,Dissolved	5.00	0.182	4.38	4.57	84	88	1	75-125			4	20
Lead,Dissolved	0.0500	0.0000926	0.0480	0.0509	96	102	1	75-125			6	20
Manganese,Dissolved	0.0500	0.00509	0.0495	0.0514	89	93	1	75-125			4	20
Selenium,Dissolved	0.0500	0.0134	0.0660	0.0673	105	108	1	75-125			2	20



Method Blank (MB)

(MB) 04/22/15 07:54

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) Low Fraction	U		0.0314	0.100
(S) a,a,a-Trifluorotoluene(FID)	95.3			62.0-128

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

(LCS) 04/22/15 05:36 • (LCSD) 04/22/15 06:02

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) Low Fraction	5.50	4.99	4.96	90.7	90.1	67.0-132			0.610	20
(S) a,a,a-Trifluorotoluene(FID)				102	103	62.0-128				

L760169-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 04/22/15 08:26 • (MS) 04/22/15 06:38 • (MSD) 04/22/15 07:03

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) Low Fraction	5.50	ND	5.09	5.09	92.6	92.5	1	50.0-143			0.110	20
(S) a,a,a-Trifluorotoluene(FID)					103	103		62.0-128				



Method Blank (MB)

(MB) 04/26/15 07:38

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) Low Fraction	U		0.0314	0.100
(S) a,a,a-Trifluorotoluene(FID)	99.4			62.0-128

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

(LCS) 04/26/15 04:13 • (LCSD) 04/26/15 04:36

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) Low Fraction	5.50	4.81	4.39	87.5	79.8	67.0-132			9.19	20
(S) a,a,a-Trifluorotoluene(FID)				98.3	97.0	62.0-128				

L760269-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 04/26/15 09:11 • (MS) 04/26/15 06:28 • (MSD) 04/26/15 06:51

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) Low Fraction	5.50	2.95	7.85	9.72	89.0	123	1	50.0-143		J3	21.3	20
(S) a,a,a-Trifluorotoluene(FID)					92.6	90.3		62.0-128				



Method Blank (MB)

(MB) 04/23/15 12:14

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) Low Fraction	U		0.0314	0.100
(S) a,a,a-Trifluorotoluene(FID)	93.0			62.0-128

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

(LCS) 04/23/15 10:04 • (LCSD) 04/23/15 10:26

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) Low Fraction	5.50	4.10	4.20	74.5	76.4	67.0-132			2.50	20
(S) a,a,a-Trifluorotoluene(FID)				97.6	97.3	62.0-128				

L760264-17 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 04/23/15 13:01 • (MS) 04/23/15 11:04 • (MSD) 04/23/15 11:30

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) Low Fraction	5.50	ND	4.38	4.12	79.6	74.9	1	50.0-143			6.06	20
(S) a,a,a-Trifluorotoluene(FID)					98.1	98.1		62.0-128				



Method Blank (MB)

(MB) 04/23/15 18:48

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) Low Fraction	U		0.0314	0.100
(S) a,a,a-Trifluorotoluene(FID)	113			62.0-128

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

(LCS) 04/23/15 16:54 • (LCSD) 04/23/15 17:16

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) Low Fraction	5.50	4.95	5.33	90.0	96.9	67.0-132			7.37	20
(S) a,a,a-Trifluorotoluene(FID)				114	113	62.0-128				

L760269-12 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 04/23/15 19:10 • (MS) 04/23/15 17:38 • (MSD) 04/23/15 18:04

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) Low Fraction	5.50	ND	6.84	6.75	124	123	1	50.0-143			1.40	20
(S) a,a,a-Trifluorotoluene(FID)					114	115		62.0-128				



Method Blank (MB)

(MB) 04/26/15 10:32

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) Low Fraction	U		0.0314	0.100
(S) a,a,a-Trifluorotoluene(FID)	96.8			62.0-128

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

(LCS) 04/26/15 05:47 • (LCSD) 04/26/15 06:12

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) Low Fraction	5.50	5.80	5.42	105	98.5	67.0-132			6.73	20
(S) a,a,a-Trifluorotoluene(FID)				105	104	62.0-128				

L760269-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 04/26/15 12:44 • (MS) 04/26/15 09:18 • (MSD) 04/26/15 09:42

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) Low Fraction	5.50	ND	5.14	5.63	93.4	102	1	50.0-143			9.13	20
(S) a,a,a-Trifluorotoluene(FID)					104	105		62.0-128				



Method Blank (MB)

(MB) 04/25/15 21:32

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acetone	U		0.0100	0.0500
Benzene	U		0.000331	0.00100
Bromodichloromethane	U		0.000380	0.00100
Bromoform	U		0.000469	0.00100
Bromomethane	U		0.000866	0.00500
n-Butylbenzene	U		0.000361	0.00100
sec-Butylbenzene	U		0.000365	0.00100
Carbon disulfide	U		0.000275	0.00100
Carbon tetrachloride	U		0.000379	0.00100
Chlorobenzene	U		0.000348	0.00100
Chlorodibromomethane	U		0.000327	0.00100
Chloroethane	U		0.000453	0.00500
Chloroform	U		0.000324	0.00500
Chloromethane	U		0.000276	0.00250
1,2-Dibromoethane	U		0.000381	0.00100
1,1-Dichloroethane	U		0.000259	0.00100
1,2-Dichloroethane	U		0.000361	0.00100
1,1-Dichloroethene	U		0.000398	0.00100
cis-1,2-Dichloroethene	U		0.000260	0.00100
trans-1,2-Dichloroethene	U		0.000396	0.00100
1,2-Dichloropropane	U		0.000306	0.00100
cis-1,3-Dichloropropene	U		0.000418	0.00100
trans-1,3-Dichloropropene	U		0.000419	0.00100
Ethylbenzene	U		0.000384	0.00100
2-Hexanone	U		0.00382	0.0100
Isopropylbenzene	U		0.000326	0.00100
p-Isopropyltoluene	U		0.000350	0.00100
2-Butanone (MEK)	U		0.00393	0.0100
Methylene Chloride	U		0.00100	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.00214	0.0100
Methyl tert-butyl ether	U		0.000367	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.000349	0.00100
Styrene	U		0.000307	0.00100
1,1,1,2-Tetrachloroethane	U		0.000385	0.00100
1,1,2,2-Tetrachloroethane	U		0.000130	0.00100
Tetrachloroethene	U		0.000372	0.00100
Toluene	U		0.000780	0.00500
1,1,1-Trichloroethane	U		0.000319	0.00100

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc



Method Blank (MB)

(MB) 04/25/15 21:32

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
1,1,2-Trichloroethane	U		0.000383	0.00100
Trichloroethene	U		0.000398	0.00100
1,2,4-Trimethylbenzene	U		0.000373	0.00100
1,3,5-Trimethylbenzene	U		0.000387	0.00100
Vinyl chloride	U		0.000259	0.00100
Xylenes, Total	U		0.00106	0.00300
o-Xylene	U		0.000341	0.00100
m&p-Xylenes	U		0.000719	0.00200
(S) Toluene-d8	103			88.5-111
(S) Dibromofluoromethane	104			78.3-121
(S) 4-Bromofluorobenzene	100			71.0-126

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

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

(LCS) 04/25/15 20:37 • (LCSD) 04/25/15 20:55

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	0.206	0.197	165	158	35.6-163	J4		4.14	23.9
Benzene	0.0250	0.0252	0.0253	101	101	74.8-121			0.530	20
Bromodichloromethane	0.0250	0.0256	0.0266	102	106	75.1-116			3.72	20
Bromoform	0.0250	0.0280	0.0279	112	112	67.5-130			0.170	20
Bromomethane	0.0250	0.0222	0.0219	88.7	87.5	49.9-162			1.34	20
n-Butylbenzene	0.0250	0.0257	0.0259	103	104	76.2-126			0.600	20
sec-Butylbenzene	0.0250	0.0276	0.0272	110	109	74.4-127			1.27	20
Carbon disulfide	0.0250	0.0257	0.0202	103	80.8	64.6-140		J3	23.9	20
Carbon tetrachloride	0.0250	0.0254	0.0257	101	103	70.2-123			1.17	20
Chlorobenzene	0.0250	0.0271	0.0276	108	110	78.1-119			1.79	20
Chlorodibromomethane	0.0250	0.0275	0.0278	110	111	74.0-121			0.880	20
Chloroethane	0.0250	0.0225	0.0225	90.0	89.8	61.7-135			0.230	20
Chloroform	0.0250	0.0270	0.0269	108	108	76.0-121			0.310	20
Chloromethane	0.0250	0.0270	0.0267	108	107	61.5-129			0.960	20
1,2-Dibromoethane	0.0250	0.0260	0.0263	104	105	76.6-121			1.13	20
1,1-Dichloroethane	0.0250	0.0264	0.0257	106	103	70.7-126			2.74	20
1,2-Dichloroethane	0.0250	0.0263	0.0257	105	103	68.8-124			2.48	20
1,1-Dichloroethene	0.0250	0.0257	0.0246	103	98.5	67.8-129			4.25	20
cis-1,2-Dichloroethene	0.0250	0.0260	0.0254	104	102	76.0-119			2.16	20
trans-1,2-Dichloroethene	0.0250	0.0245	0.0245	97.9	97.9	72.6-121			0.0700	20
1,2-Dichloropropane	0.0250	0.0253	0.0257	101	103	76.5-119			1.68	20

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

(LCS) 04/25/15 20:37 • (LCSD) 04/25/15 20:55

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
cis-1,3-Dichloropropene	0.0250	0.0259	0.0263	104	105	78.2-120			1.34	20
trans-1,3-Dichloropropene	0.0250	0.0262	0.0262	105	105	74.3-123			0.200	20
Ethylbenzene	0.0250	0.0259	0.0263	104	105	78.8-122			1.63	20
2-Hexanone	0.125	0.144	0.142	115	114	65.6-144			1.26	20
Isopropylbenzene	0.0250	0.0266	0.0269	107	108	78.6-132			0.950	20
p-Isopropyltoluene	0.0250	0.0277	0.0268	111	107	74.0-131			3.12	20
2-Butanone (MEK)	0.125	0.146	0.145	117	116	55.0-149			0.590	20
Methylene Chloride	0.0250	0.0232	0.0237	92.8	94.7	70.3-120			2.08	20
4-Methyl-2-pentanone (MIBK)	0.125	0.127	0.126	102	101	70.5-133			0.470	20
Methyl tert-butyl ether	0.0250	0.0247	0.0242	98.6	96.9	71.2-126			1.74	20
Naphthalene	0.0250	0.0253	0.0250	101	100	68.4-128			1.09	20
n-Propylbenzene	0.0250	0.0269	0.0269	107	108	78.2-122			0.110	20
Styrene	0.0250	0.0265	0.0261	106	104	80.4-126			1.43	20
1,1,1,2-Tetrachloroethane	0.0250	0.0277	0.0278	111	111	74.2-124			0.350	20
1,1,2,2-Tetrachloroethane	0.0250	0.0264	0.0262	105	105	70.7-122			0.410	20
Tetrachloroethene	0.0250	0.0273	0.0280	109	112	72.6-126			2.40	20
Toluene	0.0250	0.0246	0.0253	98.4	101	79.7-116			2.87	20
1,1,1-Trichloroethane	0.0250	0.0260	0.0257	104	103	73.2-123			1.39	20
1,1,2-Trichloroethane	0.0250	0.0268	0.0271	107	108	77.7-118			1.04	20
Trichloroethene	0.0250	0.0261	0.0269	104	108	77.7-118			2.88	20
1,2,4-Trimethylbenzene	0.0250	0.0270	0.0266	108	106	75.0-123			1.47	20
1,3,5-Trimethylbenzene	0.0250	0.0269	0.0269	108	108	75.6-124			0.260	20
Vinyl chloride	0.0250	0.0254	0.0252	102	101	65.9-128			0.890	20
Xylenes, Total	0.0750	0.0783	0.0800	104	107	78.7-121			2.10	20
o-Xylene	0.0250	0.0264	0.0272	106	109	77.6-122			3.00	20
m&p-Xylenes	0.0500	0.0519	0.0528	104	106	78.8-121			1.63	20
(S) Toluene-d8				100	102	88.5-111				
(S) Dibromofluoromethane				99.9	95.4	78.3-121				
(S) 4-Bromofluorobenzene				104	103	71.0-126				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

L760269-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 04/25/15 23:14 • (MS) 04/25/15 22:18 • (MSD) 04/25/15 22:37

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	0.0100	0.116	0.136	85.1	101	1	10.0-130			15.9	27.9
Benzene	0.0250	ND	0.0217	0.0251	86.9	101	1	54.3-133			14.6	20
Bromodichloromethane	0.0250	ND	0.0226	0.0258	90.2	103	1	63.9-121			13.3	20

L760269-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 04/25/15 23:14 • (MS) 04/25/15 22:18 • (MSD) 04/25/15 22:37

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Bromoform	0.0250	ND	0.0239	0.0273	95.6	109	1	59.5-134			13.4	20.5
Bromomethane	0.0250	ND	0.0176	0.0211	70.3	84.2	1	41.7-155			18.0	21.9
n-Butylbenzene	0.0250	ND	0.0212	0.0251	84.9	100	1	62.7-140			16.7	20.3
sec-Butylbenzene	0.0250	ND	0.0229	0.0258	91.7	103	1	62.2-136			11.7	20.3
Carbon disulfide	0.0250	ND	0.0176	0.0242	70.5	96.6	1	43.3-149		J3	31.3	20.3
Carbon tetrachloride	0.0250	ND	0.0218	0.0246	87.3	98.4	1	55.7-134			12.0	20
Chlorobenzene	0.0250	ND	0.0229	0.0259	91.6	103	1	67.0-125			12.1	20
Chlorodibromomethane	0.0250	ND	0.0241	0.0268	96.2	107	1	64.3-125			10.8	20.8
Chloroethane	0.0250	ND	0.0184	0.0213	73.4	85.3	1	51.5-136			14.9	40
Chloroform	0.0250	ND	0.0226	0.0265	90.4	106	1	63.0-129			15.9	20
Chloromethane	0.0250	ND	0.0224	0.0262	89.6	105	1	42.4-135			15.8	20
1,2-Dibromoethane	0.0250	ND	0.0219	0.0255	87.7	102	1	67.1-125			15.2	20
1,1-Dichloroethane	0.0250	ND	0.0220	0.0254	88.0	102	1	58.5-132			14.3	20
1,2-Dichloroethane	0.0250	ND	0.0225	0.0264	89.9	105	1	60.0-126			15.9	20
1,1-Dichloroethene	0.0250	ND	0.0207	0.0243	82.8	97.1	1	51.1-140			15.8	20.2
cis-1,2-Dichloroethene	0.0250	ND	0.0219	0.0258	87.6	103	1	59.2-129			16.5	20
trans-1,2-Dichloroethene	0.0250	ND	0.0208	0.0236	83.1	94.6	1	56.5-129			12.9	20
1,2-Dichloropropane	0.0250	ND	0.0223	0.0256	89.3	102	1	64.2-123			13.7	20
cis-1,3-Dichloropropene	0.0250	ND	0.0215	0.0255	86.2	102	1	66.4-125			16.8	20
trans-1,3-Dichloropropene	0.0250	ND	0.0221	0.0266	88.5	107	1	64.1-128			18.5	20
Ethylbenzene	0.0250	ND	0.0217	0.0244	87.0	97.4	1	61.4-133			11.3	20
2-Hexanone	0.125	ND	0.104	0.122	83.4	97.8	1	43.3-137			15.9	25.5
Isopropylbenzene	0.0250	ND	0.0223	0.0249	89.2	99.6	1	66.8-141			11.0	20
p-Isopropyltoluene	0.0250	ND	0.0230	0.0257	92.0	103	1	63.2-139			11.1	20.4
2-Butanone (MEK)	0.125	ND	0.106	0.124	84.4	99.4	1	22.4-138			16.3	27
Methylene Chloride	0.0250	0.00120	0.0215	0.0237	81.0	90.1	1	58.1-122			10.1	20
4-Methyl-2-pentanone (MIBK)	0.125	ND	0.108	0.127	86.3	101	1	60.8-140			16.1	25.1
Methyl tert-butyl ether	0.0250	ND	0.0203	0.0243	81.1	97.2	1	57.7-134			18.0	20
Naphthalene	0.0250	ND	0.0209	0.0251	83.6	100	1	58.0-135			18.1	25.5
n-Propylbenzene	0.0250	ND	0.0221	0.0252	88.5	101	1	65.9-131			13.2	20
Styrene	0.0250	ND	0.0214	0.0249	85.5	99.6	1	66.8-133			15.1	20
1,1,1,2-Tetrachloroethane	0.0250	ND	0.0230	0.0261	92.1	104	1	64.0-128			12.4	20
1,1,2,2-Tetrachloroethane	0.0250	ND	0.0226	0.0265	90.2	106	1	56.0-132			16.0	22.2
Tetrachloroethene	0.0250	ND	0.0228	0.0257	91.2	103	1	53.0-139			12.0	20
Toluene	0.0250	ND	0.0218	0.0247	87.1	98.7	1	61.4-130			12.5	20
1,1,1-Trichloroethane	0.0250	ND	0.0217	0.0248	86.8	99.3	1	58.7-134			13.4	20
1,1,2-Trichloroethane	0.0250	ND	0.0224	0.0256	89.6	103	1	66.3-125			13.5	20
Trichloroethene	0.0250	ND	0.0220	0.0252	88.1	101	1	44.1-149			13.3	20
1,2,4-Trimethylbenzene	0.0250	ND	0.0221	0.0255	88.6	102	1	57.4-137			14.0	20

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

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Qc

7

Gl

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Al

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Sc



L760269-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 04/25/15 23:14 • (MS) 04/25/15 22:18 • (MSD) 04/25/15 22:37

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
1,3,5-Trimethylbenzene	0.0250	ND	0.0226	0.0254	90.2	101	1	63.6-132			11.7	20.5
Vinyl chloride	0.0250	ND	0.0211	0.0238	84.3	95.2	1	47.8-137			12.1	20
Xylenes, Total	0.0750	ND	0.0658	0.0734	87.7	97.9	1	63.3-131			11.0	20
o-Xylene	0.0250	ND	0.0223	0.0250	89.0	99.8	1	63.3-130			11.5	20
m&p-Xylenes	0.0500	ND	0.0435	0.0484	87.0	96.9	1	61.7-133			10.8	20
(S) Toluene-d8					101	102		88.5-111				
(S) Dibromofluoromethane					95.6	97.7		78.3-121				
(S) 4-Bromofluorobenzene					101	101		71.0-126				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc



Method Blank (MB)

(MB) 04/29/15 20:45

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acetone	U		0.0100	0.0500
Benzene	U		0.000331	0.00100
Bromodichloromethane	U		0.000380	0.00100
Bromoform	U		0.000469	0.00100
Bromomethane	U		0.000866	0.00500
n-Butylbenzene	U		0.000361	0.00100
sec-Butylbenzene	U		0.000365	0.00100
Carbon disulfide	U		0.000275	0.00100
Carbon tetrachloride	U		0.000379	0.00100
Chlorobenzene	U		0.000348	0.00100
Chlorodibromomethane	U		0.000327	0.00100
Chloroethane	U		0.000453	0.00500
Chloroform	U		0.000324	0.00500
Chloromethane	U		0.000276	0.00250
1,2-Dibromoethane	U		0.000381	0.00100
1,1-Dichloroethane	U		0.000259	0.00100
1,2-Dichloroethane	U		0.000361	0.00100
1,1-Dichloroethene	U		0.000398	0.00100
cis-1,2-Dichloroethene	U		0.000260	0.00100
trans-1,2-Dichloroethene	U		0.000396	0.00100
1,2-Dichloropropane	U		0.000306	0.00100
cis-1,3-Dichloropropene	U		0.000418	0.00100
trans-1,3-Dichloropropene	U		0.000419	0.00100
Ethylbenzene	U		0.000384	0.00100
2-Hexanone	U		0.00382	0.0100
Isopropylbenzene	U		0.000326	0.00100
p-Isopropyltoluene	U		0.000350	0.00100
2-Butanone (MEK)	U		0.00393	0.0100
Methylene Chloride	U		0.00100	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.00214	0.0100
Methyl tert-butyl ether	U		0.000367	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.000349	0.00100
Styrene	U		0.000307	0.00100
1,1,1,2-Tetrachloroethane	U		0.000385	0.00100
1,1,2,2-Tetrachloroethane	U		0.000130	0.00100
Tetrachloroethene	U		0.000372	0.00100
Toluene	U		0.000780	0.00500
1,1,1-Trichloroethane	U		0.000319	0.00100

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) 04/29/15 20:45

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
1,1,2-Trichloroethane	U		0.000383	0.00100
Trichloroethene	U		0.000398	0.00100
1,2,4-Trimethylbenzene	U		0.000373	0.00100
1,3,5-Trimethylbenzene	U		0.000387	0.00100
Vinyl chloride	U		0.000259	0.00100
Xylenes, Total	U		0.00106	0.00300
o-Xylene	U		0.000341	0.00100
m&p-Xylenes	U		0.000719	0.00200
(S) Toluene-d8	105			88.5-111
(S) Dibromofluoromethane	99.7			78.3-121
(S) 4-Bromofluorobenzene	108			71.0-126

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

(LCS) 04/29/15 19:21 • (LCSD) 04/29/15 19:42

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	0.133	0.142	106	114	35.6-163			6.74	23.9
Benzene	0.0250	0.0242	0.0239	96.9	95.5	74.8-121			1.44	20
Bromodichloromethane	0.0250	0.0227	0.0234	90.8	93.7	75.1-116			3.05	20
Bromoform	0.0250	0.0250	0.0265	100	106	67.5-130			5.77	20
Bromomethane	0.0250	0.0234	0.0230	93.5	92.1	49.9-162			1.52	20
n-Butylbenzene	0.0250	0.0235	0.0238	94.1	95.0	76.2-126			0.940	20
sec-Butylbenzene	0.0250	0.0250	0.0256	100	102	74.4-127			2.06	20
Carbon disulfide	0.0250	0.0249	0.0240	99.5	96.1	64.6-140			3.50	20
Carbon tetrachloride	0.0250	0.0246	0.0238	98.4	95.0	70.2-123			3.51	20
Chlorobenzene	0.0250	0.0255	0.0255	102	102	78.1-119			0.140	20
Chlorodibromomethane	0.0250	0.0250	0.0259	99.9	103	74.0-121			3.52	20
Chloroethane	0.0250	0.0228	0.0221	91.3	88.5	61.7-135			3.09	20
Chloroform	0.0250	0.0236	0.0232	94.5	92.8	76.0-121			1.88	20
Chloromethane	0.0250	0.0251	0.0244	100	97.4	61.5-129			2.97	20
1,2-Dibromoethane	0.0250	0.0237	0.0244	94.8	97.4	76.6-121			2.76	20
1,1-Dichloroethane	0.0250	0.0243	0.0239	97.2	95.5	70.7-126			1.69	20
1,2-Dichloroethane	0.0250	0.0221	0.0229	88.4	91.4	68.8-124			3.42	20
1,1-Dichloroethene	0.0250	0.0241	0.0235	96.5	94.0	67.8-129			2.57	20
cis-1,2-Dichloroethene	0.0250	0.0246	0.0248	98.3	99.0	76.0-119			0.760	20
trans-1,2-Dichloroethene	0.0250	0.0253	0.0249	101	99.8	72.6-121			1.25	20
1,2-Dichloropropane	0.0250	0.0242	0.0243	96.8	97.1	76.5-119			0.290	20

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

(LCS) 04/29/15 19:21 • (LCSD) 04/29/15 19:42

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
cis-1,3-Dichloropropene	0.0250	0.0241	0.0246	96.3	98.4	78.2-120			2.10	20
trans-1,3-Dichloropropene	0.0250	0.0246	0.0257	98.4	103	74.3-123			4.41	20
Ethylbenzene	0.0250	0.0252	0.0254	101	102	78.8-122			0.540	20
2-Hexanone	0.125	0.128	0.142	103	114	65.6-144			10.3	20
Isopropylbenzene	0.0250	0.0270	0.0265	108	106	78.6-132			1.83	20
p-Isopropyltoluene	0.0250	0.0258	0.0261	103	105	74.0-131			1.39	20
2-Butanone (MEK)	0.125	0.129	0.145	103	116	55.0-149			11.2	20
Methylene Chloride	0.0250	0.0242	0.0238	96.7	95.2	70.3-120			1.58	20
4-Methyl-2-pentanone (MIBK)	0.125	0.113	0.126	90.6	101	70.5-133			10.6	20
Methyl tert-butyl ether	0.0250	0.0239	0.0241	95.6	96.4	71.2-126			0.810	20
Naphthalene	0.0250	0.0212	0.0228	84.6	91.0	68.4-128			7.30	20
n-Propylbenzene	0.0250	0.0258	0.0257	103	103	78.2-122			0.290	20
Styrene	0.0250	0.0260	0.0259	104	104	80.4-126			0.160	20
1,1,1,2-Tetrachloroethane	0.0250	0.0263	0.0260	105	104	74.2-124			1.37	20
1,1,2,2-Tetrachloroethane	0.0250	0.0238	0.0259	95.2	104	70.7-122			8.59	20
Tetrachloroethene	0.0250	0.0262	0.0256	105	102	72.6-126			2.36	20
Toluene	0.0250	0.0247	0.0247	98.6	98.9	79.7-116			0.240	20
1,1,1-Trichloroethane	0.0250	0.0243	0.0233	97.1	93.0	73.2-123			4.29	20
1,1,2-Trichloroethane	0.0250	0.0241	0.0251	96.4	100	77.7-118			4.11	20
Trichloroethene	0.0250	0.0246	0.0247	98.6	98.6	77.7-118			0.0500	20
1,2,4-Trimethylbenzene	0.0250	0.0253	0.0257	101	103	75.0-123			1.42	20
1,3,5-Trimethylbenzene	0.0250	0.0256	0.0261	102	104	75.6-124			1.67	20
Vinyl chloride	0.0250	0.0252	0.0250	101	100	65.9-128			0.670	20
Xylenes, Total	0.0750	0.0785	0.0780	105	104	78.7-121			0.550	20
o-Xylene	0.0250	0.0263	0.0263	105	105	77.6-122			0.0300	20
m&p-Xylenes	0.0500	0.0521	0.0517	104	103	78.8-121			0.820	20
(S) Toluene-d8				106	106	88.5-111				
(S) Dibromofluoromethane				101	102	78.3-121				
(S) 4-Bromofluorobenzene				105	107	71.0-126				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

L760269-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 04/29/15 22:35 • (MS) 04/29/15 21:11 • (MSD) 04/29/15 21:31

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	ND	0.134	0.145	107	116	1	10.0-130			7.54	27.9
Benzene	0.0250	0.0198	0.0402	0.0412	81.6	85.5	1	54.3-133			2.39	20
Bromodichloromethane	0.0250	ND	0.0222	0.0232	88.9	92.9	1	63.9-121			4.48	20

L760269-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 04/29/15 22:35 • (MS) 04/29/15 21:11 • (MSD) 04/29/15 21:31

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Bromoform	0.0250	ND	0.0266	0.0273	106	109	1	59.5-134			2.50	20.5
Bromomethane	0.0250	ND	0.0128	0.0159	51.0	63.7	1	41.7-155		J3	22.1	21.9
n-Butylbenzene	0.0250	ND	0.0247	0.0248	98.7	99.4	1	62.7-140			0.680	20.3
sec-Butylbenzene	0.0250	0.00460	0.0285	0.0287	95.6	96.4	1	62.2-136			0.710	20.3
Carbon disulfide	0.0250	0.000595	0.0239	0.0246	93.3	95.9	1	43.3-149			2.64	20.3
Carbon tetrachloride	0.0250	ND	0.0216	0.0224	86.5	89.7	1	55.7-134			3.65	20
Chlorobenzene	0.0250	ND	0.0251	0.0257	100	103	1	67.0-125			2.32	20
Chlorodibromomethane	0.0250	ND	0.0248	0.0260	99.2	104	1	64.3-125			4.68	20.8
Chloroethane	0.0250	ND	0.0198	0.0208	79.4	83.4	1	51.5-136			4.89	40
Chloroform	0.0250	ND	0.0219	0.0227	87.7	90.9	1	63.0-129			3.55	20
Chloromethane	0.0250	ND	0.0159	0.0173	63.7	69.3	1	42.4-135			8.44	20
1,2-Dibromoethane	0.0250	ND	0.0242	0.0257	96.8	103	1	67.1-125			5.89	20
1,1-Dichloroethane	0.0250	ND	0.0224	0.0229	89.5	91.7	1	58.5-132			2.42	20
1,2-Dichloroethane	0.0250	ND	0.0217	0.0228	86.8	91.4	1	60.0-126			5.15	20
1,1-Dichloroethene	0.0250	ND	0.0216	0.0215	86.3	86.0	1	51.1-140			0.430	20.2
cis-1,2-Dichloroethene	0.0250	ND	0.0226	0.0233	90.3	93.0	1	59.2-129			2.93	20
trans-1,2-Dichloroethene	0.0250	ND	0.0229	0.0231	91.7	92.2	1	56.5-129			0.630	20
1,2-Dichloropropane	0.0250	0.000769	0.0245	0.0256	94.8	99.5	1	64.2-123			4.64	20
cis-1,3-Dichloropropene	0.0250	ND	0.0244	0.0257	97.6	103	1	66.4-125			5.25	20
trans-1,3-Dichloropropene	0.0250	ND	0.0250	0.0276	99.9	110	1	64.1-128			10.0	20
Ethylbenzene	0.0250	0.000399	0.0250	0.0259	98.3	102	1	61.4-133			3.85	20
2-Hexanone	0.125	ND	0.128	0.141	102	113	1	43.3-137			10.1	25.5
Isopropylbenzene	0.0250	0.0308	0.0513	0.0521	81.8	85.3	1	66.8-141			1.68	20
p-Isopropyltoluene	0.0250	ND	0.0258	0.0259	103	104	1	63.2-139			0.520	20.4
2-Butanone (MEK)	0.125	ND	0.134	0.147	107	118	1	22.4-138			9.77	27
Methylene Chloride	0.0250	ND	0.0218	0.0222	87.4	88.6	1	58.1-122			1.41	20
4-Methyl-2-pentanone (MIBK)	0.125	ND	0.128	0.144	102	115	1	60.8-140			12.1	25.1
Methyl tert-butyl ether	0.0250	ND	0.0225	0.0237	89.9	94.6	1	57.7-134			5.12	20
Naphthalene	0.0250	0.000523	0.0240	0.0269	94.0	105	1	58.0-135			11.1	25.5
n-Propylbenzene	0.0250	0.00319	0.0277	0.0283	97.9	101	1	65.9-131			2.39	20
Styrene	0.0250	ND	0.0256	0.0266	102	106	1	66.8-133			3.85	20
1,1,1,2-Tetrachloroethane	0.0250	ND	0.0242	0.0254	96.8	102	1	64.0-128			5.01	20
1,1,2,2-Tetrachloroethane	0.0250	ND	0.0268	0.0286	107	114	1	56.0-132			6.61	22.2
Tetrachloroethene	0.0250	ND	0.0248	0.0258	99.1	103	1	53.0-139			3.99	20
Toluene	0.0250	0.000515	0.0249	0.0261	97.6	102	1	61.4-130			4.75	20
1,1,1-Trichloroethane	0.0250	ND	0.0220	0.0223	87.9	89.2	1	58.7-134			1.47	20
1,1,2-Trichloroethane	0.0250	ND	0.0250	0.0264	100	106	1	66.3-125			5.18	20
Trichloroethene	0.0250	ND	0.0226	0.0233	90.3	93.4	1	44.1-149			3.39	20
1,2,4-Trimethylbenzene	0.0250	0.000498	0.0252	0.0257	98.7	101	1	57.4-137			2.25	20

1

Cp

2

Tc

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Ss

4

Cn

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Sr

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Qc

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Gl

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Al

9

Sc



L760269-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 04/29/15 22:35 • (MS) 04/29/15 21:11 • (MSD) 04/29/15 21:31

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
1,3,5-Trimethylbenzene	0.0250	ND	0.0249	0.0256	99.8	102	1	63.6-132			2.64	20.5
Vinyl chloride	0.0250	0.000999	0.0223	0.0219	85.2	83.7	1	47.8-137			1.68	20
Xylenes, Total	0.0750	0.00606	0.0808	0.0833	99.6	103	1	63.3-131			3.12	20
o-Xylene	0.0250	ND	0.0250	0.0258	100	103	1	63.3-130			3.23	20
m&p-Xylenes	0.0500	0.00606	0.0558	0.0575	99.4	103	1	61.7-133			3.08	20
(S) Toluene-d8					107	108		88.5-111				
(S) Dibromofluoromethane					97.3	97.3		78.3-121				
(S) 4-Bromofluorobenzene					105	104		71.0-126				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc



Method Blank (MB)

(MB) 04/22/15 20:56

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) High Fraction	U		0.0247	0.100
(S) o-Terphenyl	108			50.0-150

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

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

(LCS) 04/22/15 21:15 • (LCSD) 04/22/15 21:35

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) High Fraction	1.50	1.66	1.75	111	117	50.0-150			5.18	20
(S) o-Terphenyl				112	115	50.0-150				



Abbreviations and Definitions

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

Qualifier Description

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.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
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		

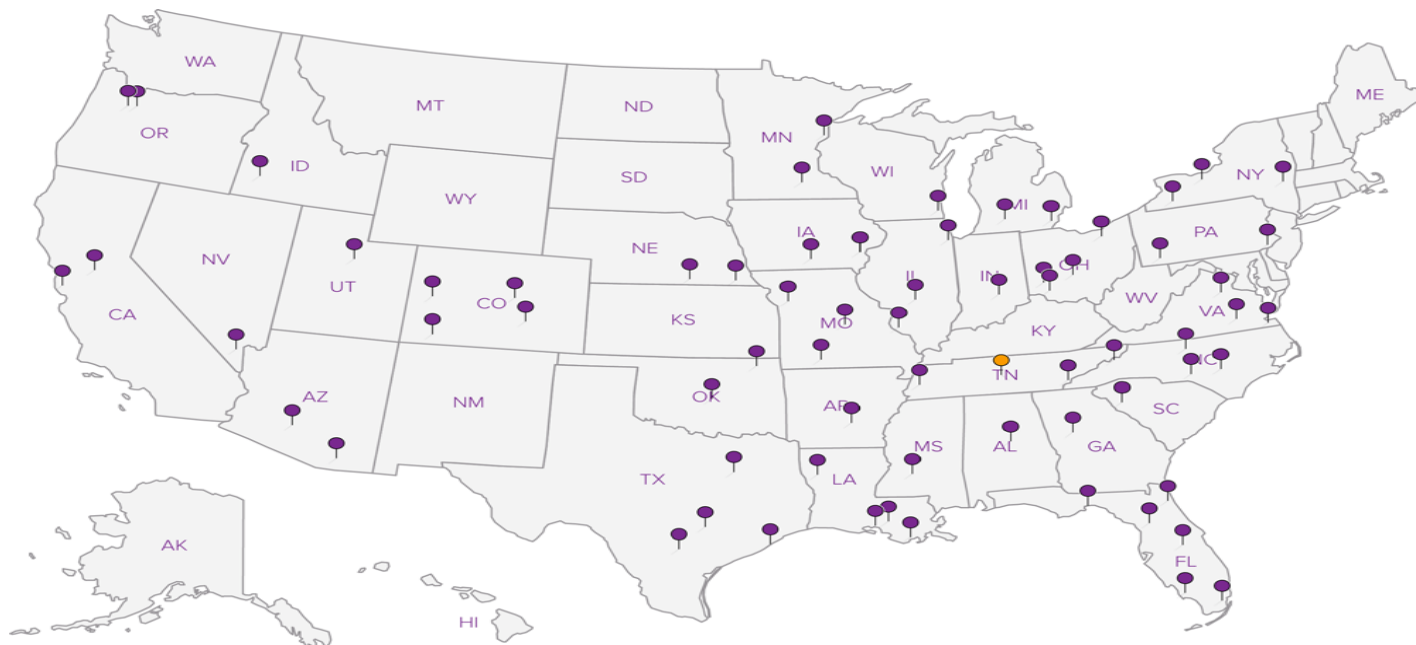
¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold ^{n/a} Accreditation not applicable

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.**



ARCADIS, Inc.
2929 Briarpark Drive,
Suite 300
Houston, TX 77042

Billing Information:

Report to: Pam Krueger

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

Project Navajo Refining Company

City/State Artesia, NM
Collected:

Phone: 713-953-4816
Fax: 713-977-4620

REST TX000836.0007.15006
SU

Lab Project # ARCADHTX-
NAVAJO FULL

Collected by (print):

Terrance Barry HMI

Site/Facility ID #

P.O. #

Collected by (signature):

Stacy Udo

Rush? (Lab MUST Be
Notified)

Next Day100%
Two Day50%
Three Day25%

Date Results Needed

Email? ☐ No ☐ Yes
FAX? ☐ No ☐ Yes

No.
of
Cntr

Immediately Iced?

N ☐ Y ☒

Sample ID	Comp/ Grab	Matrix *	Depth	Date	Time	No. of Cntr	DRO 8015	GRO 8015	Volatiles 8260 (Extended List)	Total Metals: As, Ba, Cr, Fe, Pb, Mn, Se	Total Metals: As, Ba, Cr, Fe, Pb, Mn, Ni, Se, V, Hg	Dis Metals: (FFiltered) As, Ba, Cr, Fe, Pb, Mn, Se	Dis Metals: (FFiltered) As, Ba, Cr, Fe, Pb, Mn, Ni, Se, V	Cyanide	Anions: Chloride, Fluoride, Sulfate	Cations: Ca, K, Na (from Total Metals container)	NO2 / NO3	TDS
RW-10	G	GW		4/16/15	1510	12	✓	✓	✓	✓		✓			✓	✓	✓	✓
MW-40					1620	12	✓	✓	✓	✓		✓			✓	✓	✓	✓
MW-41					1735	12	✓	✓	✓	✓		✓			✓	✓	✓	✓
RW-9					1840	12	✓	✓	✓	✓		✓			✓	✓	✓	✓
MW-42				4/17/15	910	12	✓	✓	✓	✓		✓			✓	✓	✓	✓
MW-29							✓	✓	✓	✓		✓			✓	✓	✓	✓
RW-#16B				4/17/15	1015	10	✓		✓	✓		✓			✓	✓	✓	✓
MW-106	✓	✓		4/17/15	825	12	✓	✓	✓	✓		✓			✓	✓	✓	✓

Analysis / Container / Preservative

Chain of Custody Page 11 of 34



YOUR LAB OF CHOICE

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



L# 1760269

Tabl J156

Acctnum: ARCADHTX

Template: T101476

Prelogin:

TSR: Pam Langford

PB:

Shipped Via:

Remarks/Comments Sample # (lab only)

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

Remarks:

pH Temp
Flow Other

Hold #

Relinquished by: (Signature)

Stacy Udo

Date:

4/17/15

Time:

1600

Received by: (Signature)

Samples returned via: ☐ UPS

☒ FedEx ☐ Courier ☐

Condition: (lab use only)

Relinquished by: (Signature)

Date:

Time:

Received by: (Signature)

Temp: °C

218

COC Seal Intact: ☒ Y ☐ N ☐ NA

Relinquished by: (Signature)

Date:

Time:

Received for lab by: (Signature)

Date:

4/18/15

0900

pH Checked: 12 > 12

NCF:

[illegible]

* Matrix: SS - Soil GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other _____				pH _____ Temp _____ Flow _____ Other _____		Hold # _____
Remarks: _____						
Relinquished by : (Signature) <i>Scott Ude</i>	Date: <i>4/17/15</i>	Time: <i>1600</i>	Received by: (Signature)	Samples returned via: ☐ UPS ☒ FedEx ☐ Courier ☐ _____		Condition: _____ (lab use only) COC Seal Intact: ☒ Y ☐ N ☐ NA pH Checked: <i>22.712</i> NCF: _____
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: _____ °C <i>3.4</i> <i>218</i>		
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: <i>4/18/15</i> <i>0900</i>		

ARCADIS, Inc. 2929 Briarpark Drive, Suite 300 Houston, TX 77042				Billing Information:				Analysis / Container / Preservative												Chain of Custody Page 6 of 34	
				Report to: Pam Krueger				Email To: pam.krueger@arcadis-us.com; maisha.turner@arcadis-us.com; melissa.osborne@arcadis-us.com													
Project Navajo Refining Company				City/State Artesia, NM Collected:																	
Phone: 713-953-4816 Fax: 713-977-4620		REST TX000836.0007.15006		Lab Project # ARCADHTX-NAVAJO FULL																L # L760269	
Collected by (print): Cameron Haber		Site/Facility ID #		P.O. #																Table #	
Collected by (signature):		Rush? (Lab MUST Be Notified) Next Day100% Two Day50% Three Day25%		Date Results Needed																Acctnum: ARCADHTX Template: T101479	
Immediately Iced? N ___ Y ☒				Email? ___ No ___ Yes FAX? ___ No ___ Yes																Prelogin: TSR: Pam Langford PB:	
																				Shipped Via:	
Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntr	DRO 8015	GRO 8015	Volatiles 8260 (Extended List)	Total Metals: As, Ba, Cr, Fe, Pb, Mn, Se	Total Metals: As, Ba, Cr, Fe, Pb, Mn, Ni, Se, V, Hg	Dis Metals: (FFiltered) As, Ba, Cr, Fe, Pb, Mn, Se	Dis Metals: (FFiltered) As, Ba, Cr, Fe, Pb, Mn, Ni, Se, V	Cyanide	Anions: Chloride, Fluoride, Sulfate	Cations: Ca, K, Na (from Total Metals container)	NO2 / NO3	TDS	Remarks/Comments	Sample # (lab only)	
MW-95	G	GW					✓	✓	✓	✓		✓			✓	✓	✓	✓	✓	54	
RW-7	↓	↓		4/17/15	1010	12	✓	✓	✓	✓		✓			✓	✓	✓	✓		-11	
RW-#17A	↓	↓		4/16/15	1220	12	✓	✓	✓	✓		✓			✓	✓	✓	✓		-12	

* Matrix: SS - Soil GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other ___				pH _____ Temp _____ Flow _____ Other _____				Hold #			
Remarks:											
Relinquished by: (Signature) Scott Vack	Date: 4/17/15	Time: 1600	Received by: (Signature)	Samples returned via: ☐ UPS ☒ FedEx ☐ Courier ☐ _____				Condition: (lab use only)			
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C 34 218				COC Seal Intact: ☒ Y ☐ N ☐ NA			
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 4/18/15 0900				pH Checked: 12 712 NCF:			

NCF:

ARCADIS US - TX

Sample Delivery Group: L760276
Samples Received: 04/18/2015
Project Number: TX000836.0007.15008
Description: Navajo Refining Company - Artesia, NM
Site: REST
Report To: Pam Krueger
2929 Briarpark Dr., Suite 300
Houston, TX 77042

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.



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SAMPLE SUMMARY

ONE LAB. NATIONWIDE.



RW-18A L760276-01 GW

			Collected by GB/BB	Collected date/time 04/16/15 08:50	Received date/time 04/18/15 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analysis Analyst
Gravimetric Analysis by Method 2540 C-2011	WG784000	1	04/23/15 15:23	04/24/15 19:33	MF
Metals (ICPMS) by Method 6020	WG783159	1	04/27/15 18:12	04/28/15 14:13	LAT
Metals (ICPMS) by Method 6020	WG783447	1	04/28/15 13:36	04/29/15 01:25	AB
Volatile Organic Compounds (GC/MS) by Method 8260B	WG783751	1	04/24/15 03:49	04/24/15 03:49	BMB
Wet Chemistry by Method 353.2	WG785031	1	05/01/15 02:56	05/01/15 02:56	JAL
Wet Chemistry by Method 9056MOD	WG785224	1	04/28/15 21:05	04/28/15 21:05	DJD
Wet Chemistry by Method 9056MOD	WG785224	100	04/28/15 22:17	04/28/15 22:17	DJD

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

KWB-1A L760276-02 GW

			Collected by GB/BB	Collected date/time 04/16/15 09:30	Received date/time 04/18/15 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analysis Analyst
Gravimetric Analysis by Method 2540 C-2011	WG784001	1	04/24/15 16:33	04/24/15 16:35	JG
Mercury by Method 7470A	WG783354	1	04/21/15 01:24	04/21/15 12:32	CHM
Metals (ICPMS) by Method 6020	WG783159	1	04/27/15 18:12	04/28/15 14:22	LAT
Metals (ICPMS) by Method 6020	WG783159	5	04/27/15 18:12	04/28/15 15:41	LAT
Metals (ICPMS) by Method 6020	WG783447	1	04/28/15 13:36	04/29/15 01:27	AB
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG783644	1	04/21/15 17:43	04/23/15 11:45	JNS
Volatile Organic Compounds (GC/MS) by Method 8260B	WG783751	1	04/24/15 04:11	04/24/15 04:11	BMB
Wet Chemistry by Method 353.2	WG785031	1	05/01/15 02:57	05/01/15 02:57	JAL
Wet Chemistry by Method 9012B	WG784739	1	04/30/15 08:14	04/30/15 13:11	ASK
Wet Chemistry by Method 9056MOD	WG785224	1	04/28/15 23:00	04/28/15 23:00	DJD
Wet Chemistry by Method 9056MOD	WG785224	100	04/28/15 21:20	04/28/15 21:20	DJD

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

KWB-1C L760276-03 GW

			Collected by GB/BB	Collected date/time 04/16/15 10:15	Received date/time 04/18/15 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analysis Analyst
Gravimetric Analysis by Method 2540 C-2011	WG784001	1	04/24/15 16:33	04/24/15 16:35	JG
Metals (ICPMS) by Method 6020	WG783159	1	04/27/15 18:12	04/28/15 14:24	LAT
Metals (ICPMS) by Method 6020	WG783159	5	04/27/15 18:12	04/28/15 15:43	LAT
Metals (ICPMS) by Method 6020	WG783447	1	04/28/15 13:36	04/29/15 01:30	AB
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG783644	1	04/21/15 17:43	04/23/15 12:03	JNS
Volatile Organic Compounds (GC/MS) by Method 8260B	WG783751	1	04/24/15 04:34	04/24/15 04:34	BMB
Wet Chemistry by Method 353.2	WG785031	1	05/01/15 02:58	05/01/15 02:58	JAL
Wet Chemistry by Method 9056MOD	WG785509	100	04/29/15 20:08	04/29/15 20:08	NJM

KWB-10R L760276-04 GW

			Collected by GB/BB	Collected date/time 04/16/15 11:05	Received date/time 04/18/15 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analysis Analyst
Gravimetric Analysis by Method 2540 C-2011	WG784001	1	04/24/15 16:33	04/24/15 16:35	JG
Metals (ICPMS) by Method 6020	WG783159	1	04/27/15 18:12	04/28/15 14:27	LAT
Metals (ICPMS) by Method 6020	WG783159	5	04/27/15 18:12	04/28/15 15:46	LAT
Metals (ICPMS) by Method 6020	WG783447	1	04/28/15 13:36	04/29/15 01:36	AB
Metals (ICPMS) by Method 6020	WG783447	5	04/28/15 13:36	04/29/15 05:52	AB
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG783644	1	04/21/15 17:43	04/23/15 12:20	JNS
Volatile Organic Compounds (GC/MS) by Method 8260B	WG783751	10	04/24/15 04:56	04/24/15 04:56	BMB
Volatile Organic Compounds (GC/MS) by Method 8260B	WG785315	100	04/30/15 14:48	04/30/15 14:48	BMB
Wet Chemistry by Method 353.2	WG785031	10	05/01/15 03:00	05/01/15 03:00	JAL
Wet Chemistry by Method 9056MOD	WG785509	1	04/29/15 17:30	04/29/15 17:30	NJM
Wet Chemistry by Method 9056MOD	WG785509	100	04/29/15 20:22	04/29/15 20:22	NJM

SAMPLE SUMMARY

ONE LAB. NATIONWIDE.



MW-57 L760276-05 GW

			Collected by GB/BB	Collected date/time 04/16/15 12:10	Received date/time 04/18/15 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analysis Analyst
Gravimetric Analysis by Method 2540 C-2011	WG784001	1	04/24/15 16:33	04/24/15 16:35	JG
Metals (ICPMS) by Method 6020	WG783159	1	04/27/15 18:12	04/28/15 14:38	LAT
Metals (ICPMS) by Method 6020	WG783159	5	04/27/15 18:12	04/28/15 15:48	LAT
Metals (ICPMS) by Method 6020	WG783447	1	04/28/15 13:36	04/29/15 01:39	AB
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG783644	1	04/21/15 17:43	04/23/15 12:38	JNS
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG783232	1	04/21/15 14:26	04/21/15 14:26	BMB
Volatile Organic Compounds (GC/MS) by Method 8260B	WG783751	1	04/24/15 05:18	04/24/15 05:18	BMB
Volatile Organic Compounds (GC/MS) by Method 8260B	WG785315	1	04/30/15 15:08	04/30/15 15:08	BMB
Wet Chemistry by Method 353.2	WG785031	5	05/01/15 03:21	05/01/15 03:21	JAL
Wet Chemistry by Method 9056MOD	WG785509	100	04/29/15 20:37	04/29/15 20:37	NJM

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

KWB-12A L760276-06 GW

			Collected by GB/BB	Collected date/time 04/16/15 13:05	Received date/time 04/18/15 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analysis Analyst
Gravimetric Analysis by Method 2540 C-2011	WG784001	1	04/24/15 16:33	04/24/15 16:35	JG
Mercury by Method 7470A	WG783354	1	04/21/15 01:24	04/21/15 12:35	CHM
Metals (ICPMS) by Method 6020	WG783159	1	04/27/15 18:12	04/28/15 14:40	LAT
Metals (ICPMS) by Method 6020	WG783159	2	04/27/15 18:12	04/28/15 15:50	LAT
Metals (ICPMS) by Method 6020	WG783447	1	04/28/15 13:36	04/29/15 01:41	AB
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG783644	1	04/21/15 17:43	04/23/15 12:55	JNS
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG783232	1	04/21/15 14:48	04/21/15 14:48	BMB
Volatile Organic Compounds (GC/MS) by Method 8260B	WG783751	1	04/24/15 05:40	04/24/15 05:40	BMB
Wet Chemistry by Method 353.2	WG785031	1	05/01/15 03:06	05/01/15 03:06	JAL
Wet Chemistry by Method 9012B	WG784739	1	04/30/15 08:14	04/30/15 13:14	ASK
Wet Chemistry by Method 9056MOD	WG785509	100	04/29/15 20:51	04/29/15 20:51	NJM

⁷ Gl

⁸ Al

⁹ Sc

KWB-12B L760276-07 GW

			Collected by GB/BB	Collected date/time 04/16/15 14:40	Received date/time 04/18/15 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analysis Analyst
Gravimetric Analysis by Method 2540 C-2011	WG784001	1	04/24/15 16:33	04/24/15 16:35	JG
Mercury by Method 7470A	WG783354	1	04/21/15 01:24	04/21/15 11:56	CHM
Metals (ICPMS) by Method 6020	WG783159	1	04/27/15 18:12	04/28/15 14:42	LAT
Metals (ICPMS) by Method 6020	WG783159	2	04/27/15 18:12	04/28/15 15:52	LAT
Metals (ICPMS) by Method 6020	WG783447	1	04/28/15 13:36	04/29/15 01:43	AB
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG783644	1	04/21/15 17:43	04/23/15 13:13	JNS
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG783232	1	04/21/15 15:10	04/21/15 15:10	BMB
Volatile Organic Compounds (GC/MS) by Method 8260B	WG783751	1	04/24/15 06:02	04/24/15 06:02	BMB
Wet Chemistry by Method 353.2	WG785031	1	05/01/15 03:07	05/01/15 03:07	JAL
Wet Chemistry by Method 9012B	WG784739	1	04/30/15 08:14	04/30/15 13:15	ASK
Wet Chemistry by Method 9056MOD	WG785509	100	04/29/15 21:05	04/29/15 21:05	NJM

KWB-2R L760276-08 GW

			Collected by GB/BB	Collected date/time 04/16/15 16:50	Received date/time 04/18/15 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analysis Analyst
Gravimetric Analysis by Method 2540 C-2011	WG784001	1	04/24/15 16:33	04/24/15 16:35	JG
Metals (ICPMS) by Method 6020	WG783159	1	04/27/15 18:12	04/28/15 14:44	LAT
Metals (ICPMS) by Method 6020	WG783447	1	04/28/15 13:36	04/29/15 01:45	AB
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG783644	1	04/21/15 17:43	04/23/15 13:30	JNS
Volatile Organic Compounds (GC/MS) by Method 8260B	WG783751	10	04/24/15 06:25	04/24/15 06:25	BMB

SAMPLE SUMMARY

ONE LAB. NATIONWIDE.



KWB-2R L760276-08 GW

			Collected by GB/BB	Collected date/time 04/16/15 16:50	Received date/time 04/18/15 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analysis Analyst
Wet Chemistry by Method 353.2	WG785031	10	05/01/15 03:09	05/01/15 03:09	JAL
Wet Chemistry by Method 9056MOD	WG785654	1	05/05/15 15:54	05/05/15 15:54	NJM
Wet Chemistry by Method 9056MOD	WG785953	100	05/02/15 19:57	05/02/15 19:57	NJM

¹ Cp

² Tc

³ Ss

⁴ Cn

MW-58 L760276-09 GW

			Collected by GB/BB	Collected date/time 04/16/15 17:50	Received date/time 04/18/15 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analysis Analyst
Gravimetric Analysis by Method 2540 C-2011	WG784001	1	04/24/15 16:33	04/24/15 16:35	JG
Mercury by Method 7470A	WG783354	1	04/21/15 01:24	04/21/15 12:37	CHM
Metals (ICPMS) by Method 6020	WG783159	1	04/27/15 18:12	04/28/15 14:47	LAT
Metals (ICPMS) by Method 6020	WG783447	1	04/28/15 13:36	04/29/15 01:48	AB
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG783644	1	04/21/15 17:43	04/23/15 13:47	JNS
Volatile Organic Compounds (GC/MS) by Method 8260B	WG783751	10	04/24/15 06:47	04/24/15 06:47	BMB
Volatile Organic Compounds (GC/MS) by Method 8260B	WG785315	100	04/30/15 15:27	04/30/15 15:27	BMB
Wet Chemistry by Method 353.2	WG785031	10	05/01/15 03:10	05/01/15 03:10	JAL
Wet Chemistry by Method 9012B	WG784739	1	04/30/15 08:14	04/30/15 13:16	ASK
Wet Chemistry by Method 9056MOD	WG785654	1	05/05/15 17:06	05/05/15 17:06	NJM
Wet Chemistry by Method 9056MOD	WG785953	1	05/02/15 13:04	05/02/15 13:04	NJM
Wet Chemistry by Method 9056MOD	WG785953	100	05/02/15 20:12	05/02/15 20:12	NJM

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

KWB-13 L760276-10 GW

			Collected by GB/BB	Collected date/time 04/17/15 10:30	Received date/time 04/18/15 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analysis Analyst
Gravimetric Analysis by Method 2540 C-2011	WG784340	1	04/24/15 18:13	04/27/15 09:32	MF
Mercury by Method 7470A	WG783354	1	04/21/15 01:24	04/21/15 12:40	CHM
Metals (ICPMS) by Method 6020	WG783159	1	04/27/15 18:12	04/28/15 14:49	LAT
Metals (ICPMS) by Method 6020	WG783447	1	04/28/15 13:36	04/29/15 01:50	AB
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG783644	1	04/21/15 17:43	04/23/15 14:22	JNS
Volatile Organic Compounds (GC/MS) by Method 8260B	WG783751	1	04/24/15 07:10	04/24/15 07:10	BMB
Volatile Organic Compounds (GC/MS) by Method 8260B	WG785836	1	04/30/15 20:39	04/30/15 20:39	JC
Wet Chemistry by Method 353.2	WG785031	5	05/01/15 03:22	05/01/15 03:22	JAL
Wet Chemistry by Method 9012B	WG784739	1	04/30/15 08:14	04/30/15 13:17	ASK
Wet Chemistry by Method 9056MOD	WG785856	100	05/01/15 01:51	05/01/15 01:51	NJM
Wet Chemistry by Method 9056MOD	WG787032	1	05/06/15 14:10	05/06/15 14:10	NJM

NP-5 L760276-11 GW

			Collected by GB/BB	Collected date/time 04/16/15 15:55	Received date/time 04/18/15 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analysis Analyst
Gravimetric Analysis by Method 2540 C-2011	WG784001	1	04/24/15 16:33	04/24/15 16:35	JG
Metals (ICPMS) by Method 6020	WG783159	1	04/27/15 18:12	04/28/15 14:51	LAT
Metals (ICPMS) by Method 6020	WG783447	1	04/28/15 13:36	04/29/15 01:52	AB
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG783644	1	04/21/15 17:43	04/23/15 14:40	JNS
Volatile Organic Compounds (GC/MS) by Method 8260B	WG783751	1	04/24/15 07:32	04/24/15 07:32	BMB
Volatile Organic Compounds (GC/MS) by Method 8260B	WG785836	1	04/30/15 20:59	04/30/15 20:59	JC
Wet Chemistry by Method 353.2	WG785031	1	05/01/15 03:13	05/01/15 03:13	JAL
Wet Chemistry by Method 9056MOD	WG785856	100	05/01/15 02:07	05/01/15 02:07	NJM
Wet Chemistry by Method 9056MOD	WG787032	1	05/06/15 14:46	05/06/15 14:46	NJM

SAMPLE SUMMARY

ONE LAB. NATIONWIDE.



DUP-REST-01 L760276-12 GW

			Collected by GB/BB	Collected date/time 04/17/15 12:00	Received date/time 04/18/15 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analysis Analyst
Gravimetric Analysis by Method 2540 C-2011	WG784340	1	04/24/15 18:13	04/27/15 09:26	MF
Metals (ICPMS) by Method 6020	WG783159	1	04/27/15 18:12	04/28/15 14:54	LAT
Metals (ICPMS) by Method 6020	WG783447	1	04/28/15 13:36	04/29/15 01:54	AB
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG783644	1	04/21/15 17:43	04/23/15 16:07	JNS
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG783232	1	04/21/15 15:32	04/21/15 15:32	BMB
Volatile Organic Compounds (GC/MS) by Method 8260B	WG783751	1	04/24/15 07:55	04/24/15 07:55	BMB
Wet Chemistry by Method 353.2	WG785031	1	05/01/15 03:14	05/01/15 03:14	JAL
Wet Chemistry by Method 9056MOD	WG784968	1	04/29/15 10:27	04/29/15 10:27	NJM
Wet Chemistry by Method 9056MOD	WG784968	20	04/29/15 17:43	04/29/15 17:43	NJM

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

DUP-REST-03 L760276-13 GW

			Collected by GB/BB	Collected date/time 04/17/15 10:00	Received date/time 04/18/15 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analysis Analyst
Gravimetric Analysis by Method 2540 C-2011	WG784341	1	04/24/15 12:37	04/27/15 08:43	JG
Metals (ICPMS) by Method 6020	WG783159	1	04/27/15 18:12	04/28/15 14:56	LAT
Metals (ICPMS) by Method 6020	WG783159	5	04/27/15 18:12	04/28/15 15:55	LAT
Metals (ICPMS) by Method 6020	WG783447	1	04/28/15 13:36	04/29/15 00:56	AB
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG783644	1	04/21/15 17:43	04/23/15 16:25	JNS
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG783232	1	04/21/15 15:54	04/21/15 15:54	BMB
Volatile Organic Compounds (GC/MS) by Method 8260B	WG783751	1	04/24/15 08:17	04/24/15 08:17	BMB
Wet Chemistry by Method 353.2	WG785031	1	05/01/15 03:15	05/01/15 03:15	JAL
Wet Chemistry by Method 9056MOD	WG784968	1	04/29/15 10:42	04/29/15 10:42	NJM
Wet Chemistry by Method 9056MOD	WG784968	100	04/29/15 17:59	04/29/15 17:59	NJM

EB-REST-01 L760276-14 GW

			Collected by GB/BB	Collected date/time 04/17/15 09:50	Received date/time 04/18/15 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analysis Analyst
Gravimetric Analysis by Method 2540 C-2011	WG784341	1	04/24/15 12:37	04/27/15 08:43	JG
Metals (ICPMS) by Method 6020	WG783159	1	04/27/15 18:12	04/28/15 14:58	LAT
Metals (ICPMS) by Method 6020	WG784095	1	04/28/15 13:04	04/28/15 19:30	VSS
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG783644	1	04/21/15 17:43	04/23/15 16:42	JNS
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG783232	1	04/21/15 16:19	04/21/15 16:19	BMB
Volatile Organic Compounds (GC/MS) by Method 8260B	WG783751	1	04/24/15 08:39	04/24/15 08:39	BMB
Wet Chemistry by Method 353.2	WG785031	1	05/01/15 03:16	05/01/15 03:16	JAL
Wet Chemistry by Method 9056MOD	WG784968	1	04/29/15 10:57	04/29/15 10:57	NJM

EB-REST-03 L760276-15 GW

			Collected by GB/BB	Collected date/time 04/17/15 13:55	Received date/time 04/18/15 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analysis Analyst
Gravimetric Analysis by Method 2540 C-2011	WG784341	1	04/24/15 12:37	04/27/15 08:37	JG
Metals (ICPMS) by Method 6020	WG783159	1	04/27/15 18:12	04/28/15 15:06	LAT
Metals (ICPMS) by Method 6020	WG784095	1	04/28/15 13:04	04/28/15 20:04	VSS
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG783644	1	04/21/15 17:43	04/23/15 17:00	JNS
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG783232	1	04/21/15 16:58	04/21/15 16:58	BMB
Volatile Organic Compounds (GC/MS) by Method 8260B	WG783751	1	04/24/15 09:01	04/24/15 09:01	BMB
Wet Chemistry by Method 353.2	WG786250	1	05/04/15 10:52	05/04/15 10:52	JAL
Wet Chemistry by Method 9056MOD	WG784968	1	04/29/15 11:28	04/29/15 11:28	NJM



TRIPBLANK-REST-01 L760276-16 GW

			Collected by GB/BB	Collected date/time 04/17/15 00:00	Received date/time 04/18/15 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analysis Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG785836	1	04/30/15 16:37	04/30/15 16:37	JC

1
Cp2
Tc3
Ss

DUP-REST-05 L760276-17 GW

			Collected by GB/BB	Collected date/time 04/16/15 12:00	Received date/time 04/18/15 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analysis Analyst
Gravimetric Analysis by Method 2540 C-2011	WG784001	1	04/24/15 16:33	04/27/15 09:12	JG
Mercury by Method 7470A	WG783354	1	04/21/15 01:24	04/21/15 12:42	CHM
Metals (ICPMS) by Method 6020	WG783159	1	04/27/15 18:12	04/28/15 15:08	LAT
Metals (ICPMS) by Method 6020	WG784095	1	04/28/15 13:04	04/28/15 20:06	VSS
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG783644	1	04/21/15 17:43	04/23/15 17:17	JNS
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG783232	1	04/21/15 17:20	04/21/15 17:20	BMB
Volatile Organic Compounds (GC/MS) by Method 8260B	WG783751	1	04/24/15 09:24	04/24/15 09:24	BMB
Wet Chemistry by Method 353.2	WG786250	1	05/04/15 10:54	05/04/15 10:54	JAL
Wet Chemistry by Method 9012B	WG784739	1	04/30/15 08:14	04/30/15 13:18	ASK
Wet Chemistry by Method 9056MOD	WG784968	1	04/29/15 11:44	04/29/15 11:44	NJM
Wet Chemistry by Method 9056MOD	WG784968	100	04/29/15 18:14	04/29/15 18:14	NJM

4
Cn5
Sr6
Qc7
Gl8
Al9
Sc

EB-REST-05 L760276-18 GW

			Collected by GB/BB	Collected date/time 04/16/15 13:20	Received date/time 04/18/15 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analysis Analyst
Gravimetric Analysis by Method 2540 C-2011	WG784001	1	04/24/15 16:33	04/27/15 09:18	JG
Mercury by Method 7470A	WG783354	1	04/21/15 01:24	04/21/15 12:45	CHM
Metals (ICPMS) by Method 6020	WG783159	1	04/27/15 18:12	04/28/15 15:11	LAT
Metals (ICPMS) by Method 6020	WG784095	1	04/28/15 13:04	04/28/15 20:08	VSS
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG783644	1	04/21/15 17:43	04/23/15 17:35	JNS
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG783232	1	04/21/15 17:42	04/21/15 17:42	BMB
Volatile Organic Compounds (GC/MS) by Method 8260B	WG783751	1	04/24/15 09:46	04/24/15 09:46	BMB
Wet Chemistry by Method 353.2	WG786250	1	05/04/15 10:58	05/04/15 10:58	JAL
Wet Chemistry by Method 9012B	WG784739	1	04/30/15 08:14	04/30/15 13:19	ASK
Wet Chemistry by Method 9056MOD	WG784968	1	04/29/15 11:59	04/29/15 11:59	NJM

TRIPBLANK-REST-02 L760276-19 GW

			Collected by GB/BB	Collected date/time 04/16/15 00:00	Received date/time 04/18/15 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analysis Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG783751	1	04/24/15 03:05	04/24/15 03:05	BMB



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

Pam Langford
Technical Service Representative

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc



Gravimetric Analysis by Method 2540 C-2011

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Dissolved Solids	4440000		2800	10000	1	04/24/2015 19:33	WG784000

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 353.2

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	6550		20.0	100	1	05/01/2015 02:56	WG785031

Wet Chemistry by Method 9056MOD

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chloride	232000		5200	100000	100	04/28/2015 22:17	WG785224
Fluoride	2460		9.90	100	1	04/28/2015 21:05	WG785224
Sulfate	3670000		7700	500000	100	04/28/2015 22:17	WG785224

Metals (ICPMS) by Method 6020

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Arsenic	3.79		0.250	2.00	1	04/28/2015 14:13	WG783159
Arsenic,Dissolved	4.18		0.250	2.00	1	04/29/2015 01:25	WG783447
Barium	10.5		0.360	5.00	1	04/28/2015 14:13	WG783159
Barium,Dissolved	11.3		0.360	5.00	1	04/29/2015 01:25	WG783447
Calcium	482000	<u>4</u>	46.0	1000	1	04/28/2015 14:13	WG783159
Chromium	0.703	<u>J</u>	0.540	2.00	1	04/28/2015 14:13	WG783159
Chromium,Dissolved	0.833	<u>J</u>	0.540	2.00	1	04/29/2015 01:25	WG783447
Iron	U		15.0	100	1	04/28/2015 14:13	WG783159
Iron,Dissolved	44.8	<u>J</u>	15.0	100	1	04/29/2015 01:25	WG783447
Lead	U		0.240	2.00	1	04/28/2015 14:13	WG783159
Lead,Dissolved	U		0.240	2.00	1	04/29/2015 01:25	WG783447
Manganese	U		0.250	5.00	1	04/28/2015 14:13	WG783159
Manganese,Dissolved	0.625	<u>J</u>	0.250	5.00	1	04/29/2015 01:25	WG783447
Potassium	1300		37.0	1000	1	04/28/2015 14:13	WG783159
Selenium	9.88		0.380	2.00	1	04/28/2015 14:13	WG783159
Selenium,Dissolved	10.8		0.380	2.00	1	04/29/2015 01:25	WG783447
Sodium	230000	<u>4</u>	110	1000	1	04/28/2015 14:13	WG783159

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		10.0	50.0	1	04/24/2015 03:49	WG783751
Benzene	U		0.330	1.00	1	04/24/2015 03:49	WG783751
Bromodichloromethane	U		0.380	1.00	1	04/24/2015 03:49	WG783751
Bromoform	U		0.470	1.00	1	04/24/2015 03:49	WG783751
Bromomethane	U		0.870	5.00	1	04/24/2015 03:49	WG783751
n-Butylbenzene	U		0.360	1.00	1	04/24/2015 03:49	WG783751
sec-Butylbenzene	U		0.360	1.00	1	04/24/2015 03:49	WG783751
Carbon disulfide	U		0.280	1.00	1	04/24/2015 03:49	WG783751
Carbon tetrachloride	U		0.380	1.00	1	04/24/2015 03:49	WG783751
Chlorobenzene	U		0.350	1.00	1	04/24/2015 03:49	WG783751
Chlorodibromomethane	U		0.330	1.00	1	04/24/2015 03:49	WG783751
Chloroethane	U		0.450	5.00	1	04/24/2015 03:49	WG783751
Chloroform	U		0.320	5.00	1	04/24/2015 03:49	WG783751
Chloromethane	U		0.280	2.50	1	04/24/2015 03:49	WG783751
1,2-Dibromoethane	U		0.380	1.00	1	04/24/2015 03:49	WG783751
1,1-Dichloroethane	U		0.260	1.00	1	04/24/2015 03:49	WG783751



Collected date/time: 04/16/15 08:50

L760276

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.360	1.00	1	04/24/2015 03:49	WG783751
1,1-Dichloroethene	U		0.400	1.00	1	04/24/2015 03:49	WG783751
cis-1,2-Dichloroethene	U		0.260	1.00	1	04/24/2015 03:49	WG783751
trans-1,2-Dichloroethene	U		0.400	1.00	1	04/24/2015 03:49	WG783751
1,2-Dichloropropane	U		0.310	1.00	1	04/24/2015 03:49	WG783751
cis-1,3-Dichloropropene	U		0.420	1.00	1	04/24/2015 03:49	WG783751
trans-1,3-Dichloropropene	U		0.420	1.00	1	04/24/2015 03:49	WG783751
Ethylbenzene	U		0.380	1.00	1	04/24/2015 03:49	WG783751
Isopropylbenzene	U		0.330	1.00	1	04/24/2015 03:49	WG783751
p-Isopropyltoluene	U		0.350	1.00	1	04/24/2015 03:49	WG783751
2-Butanone (MEK)	U		3.90	10.0	1	04/24/2015 03:49	WG783751
2-Hexanone	U		3.80	10.0	1	04/24/2015 03:49	WG783751
Methylene Chloride	U		1.00	5.00	1	04/24/2015 03:49	WG783751
4-Methyl-2-pentanone (MIBK)	U		2.10	10.0	1	04/24/2015 03:49	WG783751
Methyl tert-butyl ether	U		0.370	1.00	1	04/24/2015 03:49	WG783751
Naphthalene	U		1.00	5.00	1	04/24/2015 03:49	WG783751
n-Propylbenzene	U		0.350	1.00	1	04/24/2015 03:49	WG783751
Styrene	U		0.310	1.00	1	04/24/2015 03:49	WG783751
1,1,1,2-Tetrachloroethane	U		0.380	1.00	1	04/24/2015 03:49	WG783751
1,1,2,2-Tetrachloroethane	U		0.130	1.00	1	04/24/2015 03:49	WG783751
Tetrachloroethene	U		0.370	1.00	1	04/24/2015 03:49	WG783751
Toluene	U		0.780	5.00	1	04/24/2015 03:49	WG783751
1,1,1-Trichloroethane	U		0.319	1.00	1	04/24/2015 03:49	WG783751
1,1,2-Trichloroethane	U		0.380	1.00	1	04/24/2015 03:49	WG783751
Trichloroethene	U		0.400	1.00	1	04/24/2015 03:49	WG783751
1,2,4-Trimethylbenzene	U		0.370	1.00	1	04/24/2015 03:49	WG783751
1,3,5-Trimethylbenzene	U		0.390	1.00	1	04/24/2015 03:49	WG783751
Vinyl chloride	U		0.260	1.00	1	04/24/2015 03:49	WG783751
o-Xylene	U		0.340	1.00	1	04/24/2015 03:49	WG783751
m&p-Xylene	U		0.720	1.00	1	04/24/2015 03:49	WG783751
Xylenes, Total	U		1.10	3.00	1	04/24/2015 03:49	WG783751
(S) Toluene-d8	101			88.5-111		04/24/2015 03:49	WG783751
(S) Dibromofluoromethane	93.9			78.3-121		04/24/2015 03:49	WG783751
(S) 4-Bromofluorobenzene	102			71.0-126		04/24/2015 03:49	WG783751

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Dissolved Solids	5320000		2800	10000	1	04/24/2015 16:35	WG784001

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Nitrate-Nitrite	4220		20.0	100	1	05/01/2015 02:57	WG785031

Wet Chemistry by Method 9012B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Cyanide	U		1.80	5.00	1	04/30/2015 13:11	WG784739

Wet Chemistry by Method 9056MOD

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	555000		5200	100000	100	04/28/2015 21:20	WG785224
Fluoride	1170		9.90	100	1	04/28/2015 23:00	WG785224
Sulfate	3400000		7700	500000	100	04/28/2015 21:20	WG785224

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Mercury	U		0.0490	0.200	1	04/21/2015 12:32	WG783354

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic	3.62		0.250	2.00	1	04/28/2015 14:22	WG783159
Arsenic,Dissolved	3.28		0.250	2.00	1	04/29/2015 01:27	WG783447
Barium	9.32		0.360	5.00	1	04/28/2015 14:22	WG783159
Barium,Dissolved	8.40		0.360	5.00	1	04/29/2015 01:27	WG783447
Calcium	596000		230	5000	5	04/28/2015 15:41	WG783159
Chromium	0.649	J	0.540	2.00	1	04/28/2015 14:22	WG783159
Chromium,Dissolved	U		0.540	2.00	1	04/29/2015 01:27	WG783447
Iron	108		15.0	100	1	04/28/2015 14:22	WG783159
Iron,Dissolved	U		15.0	100	1	04/29/2015 01:27	WG783447
Lead	0.599	J	0.240	2.00	1	04/28/2015 14:22	WG783159
Lead,Dissolved	U		0.240	2.00	1	04/29/2015 01:27	WG783447
Manganese	543		0.250	5.00	1	04/28/2015 14:22	WG783159
Manganese,Dissolved	371		0.250	5.00	1	04/29/2015 01:27	WG783447
Nickel	8.66		0.350	2.00	1	04/28/2015 14:22	WG783159
Nickel,Dissolved	7.73		0.350	2.00	1	04/29/2015 01:27	WG783447
Potassium	1010		37.0	1000	1	04/28/2015 14:22	WG783159
Selenium	2.47		0.380	2.00	1	04/28/2015 14:22	WG783159
Selenium,Dissolved	3.36		0.380	2.00	1	04/29/2015 01:27	WG783447
Sodium	202000		110	1000	1	04/28/2015 14:22	WG783159
Vanadium	23.6		0.180	5.00	1	04/28/2015 14:22	WG783159
Vanadium,Dissolved	22.6		0.180	5.00	1	04/29/2015 01:27	WG783447



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		10.0	50.0	1	04/24/2015 04:11	WG783751
Benzene	U		0.330	1.00	1	04/24/2015 04:11	WG783751
Bromodichloromethane	U		0.380	1.00	1	04/24/2015 04:11	WG783751
Bromoform	U		0.470	1.00	1	04/24/2015 04:11	WG783751
Bromomethane	U		0.870	5.00	1	04/24/2015 04:11	WG783751
n-Butylbenzene	U		0.360	1.00	1	04/24/2015 04:11	WG783751
sec-Butylbenzene	U		0.360	1.00	1	04/24/2015 04:11	WG783751
Carbon disulfide	U		0.280	1.00	1	04/24/2015 04:11	WG783751
Carbon tetrachloride	U		0.380	1.00	1	04/24/2015 04:11	WG783751
Chlorobenzene	U		0.350	1.00	1	04/24/2015 04:11	WG783751
Chlorodibromomethane	U		0.330	1.00	1	04/24/2015 04:11	WG783751
Chloroethane	U		0.450	5.00	1	04/24/2015 04:11	WG783751
Chloroform	U		0.320	5.00	1	04/24/2015 04:11	WG783751
Chloromethane	U		0.280	2.50	1	04/24/2015 04:11	WG783751
1,2-Dibromoethane	U		0.380	1.00	1	04/24/2015 04:11	WG783751
1,1-Dichloroethane	U		0.260	1.00	1	04/24/2015 04:11	WG783751
1,2-Dichloroethane	U		0.360	1.00	1	04/24/2015 04:11	WG783751
1,1-Dichloroethene	U		0.400	1.00	1	04/24/2015 04:11	WG783751
cis-1,2-Dichloroethene	U		0.260	1.00	1	04/24/2015 04:11	WG783751
trans-1,2-Dichloroethene	U		0.400	1.00	1	04/24/2015 04:11	WG783751
1,2-Dichloropropane	U		0.310	1.00	1	04/24/2015 04:11	WG783751
cis-1,3-Dichloropropene	U		0.420	1.00	1	04/24/2015 04:11	WG783751
trans-1,3-Dichloropropene	U		0.420	1.00	1	04/24/2015 04:11	WG783751
Ethylbenzene	U		0.380	1.00	1	04/24/2015 04:11	WG783751
Isopropylbenzene	U		0.330	1.00	1	04/24/2015 04:11	WG783751
p-Isopropyltoluene	U		0.350	1.00	1	04/24/2015 04:11	WG783751
2-Butanone (MEK)	U		3.90	10.0	1	04/24/2015 04:11	WG783751
2-Hexanone	U		3.80	10.0	1	04/24/2015 04:11	WG783751
Methylene Chloride	U		1.00	5.00	1	04/24/2015 04:11	WG783751
4-Methyl-2-pentanone (MIBK)	U		2.10	10.0	1	04/24/2015 04:11	WG783751
Methyl tert-butyl ether	U		0.370	1.00	1	04/24/2015 04:11	WG783751
Naphthalene	U		1.00	5.00	1	04/24/2015 04:11	WG783751
n-Propylbenzene	U		0.350	1.00	1	04/24/2015 04:11	WG783751
Styrene	U		0.310	1.00	1	04/24/2015 04:11	WG783751
1,1,1,2-Tetrachloroethane	U		0.380	1.00	1	04/24/2015 04:11	WG783751
1,1,2,2-Tetrachloroethane	U		0.130	1.00	1	04/24/2015 04:11	WG783751
Tetrachloroethene	U		0.370	1.00	1	04/24/2015 04:11	WG783751
Toluene	U		0.780	5.00	1	04/24/2015 04:11	WG783751
1,1,1-Trichloroethane	U		0.319	1.00	1	04/24/2015 04:11	WG783751
1,1,2-Trichloroethane	U		0.380	1.00	1	04/24/2015 04:11	WG783751
Trichloroethene	U		0.400	1.00	1	04/24/2015 04:11	WG783751
1,2,4-Trimethylbenzene	U		0.370	1.00	1	04/24/2015 04:11	WG783751
1,3,5-Trimethylbenzene	U		0.390	1.00	1	04/24/2015 04:11	WG783751
Vinyl chloride	U		0.260	1.00	1	04/24/2015 04:11	WG783751
o-Xylene	U		0.340	1.00	1	04/24/2015 04:11	WG783751
m&p-Xylene	U		0.720	1.00	1	04/24/2015 04:11	WG783751
Xylenes, Total	U		1.10	3.00	1	04/24/2015 04:11	WG783751
(S) Toluene-d8	101			88.5-111		04/24/2015 04:11	WG783751
(S) Dibromofluoromethane	91.6			78.3-121		04/24/2015 04:11	WG783751
(S) 4-Bromofluorobenzene	104			71.0-126		04/24/2015 04:11	WG783751

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	93.2	J	25.0	100	1	04/23/2015 11:45	WG783644
(S) o-Terphenyl	101			50.0-150		04/23/2015 11:45	WG783644



Gravimetric Analysis by Method 2540 C-2011

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Dissolved Solids	5340000		2800	10000	1	04/24/2015 16:35	WG784001

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

Wet Chemistry by Method 353.2

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	180		20.0	100	1	05/01/2015 02:58	WG785031

6 Qc

7 Gl

Wet Chemistry by Method 9056MOD

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chloride	1160000		5200	100000	100	04/29/2015 20:08	WG785509
Fluoride	25300		990	10000	100	04/29/2015 20:08	WG785509
Sulfate	2920000		7700	500000	100	04/29/2015 20:08	WG785509

8 Al

9 Sc

Metals (ICPMS) by Method 6020

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Arsenic	3.38		0.250	2.00	1	04/28/2015 14:24	WG783159
Arsenic,Dissolved	2.97		0.250	2.00	1	04/29/2015 01:30	WG783447
Barium	9.18		0.360	5.00	1	04/28/2015 14:24	WG783159
Barium,Dissolved	8.70		0.360	5.00	1	04/29/2015 01:30	WG783447
Calcium	619000		230	5000	5	04/28/2015 15:43	WG783159
Chromium	U		0.540	2.00	1	04/28/2015 14:24	WG783159
Chromium,Dissolved	U		0.540	2.00	1	04/29/2015 01:30	WG783447
Iron	53.7	J	15.0	100	1	04/28/2015 14:24	WG783159
Iron,Dissolved	U		15.0	100	1	04/29/2015 01:30	WG783447
Lead	0.320	J	0.240	2.00	1	04/28/2015 14:24	WG783159
Lead,Dissolved	0.528	J	0.240	2.00	1	04/29/2015 01:30	WG783447
Manganese	462		0.250	5.00	1	04/28/2015 14:24	WG783159
Manganese,Dissolved	451		0.250	5.00	1	04/29/2015 01:30	WG783447
Potassium	1230		37.0	1000	1	04/28/2015 14:24	WG783159
Selenium	0.549	J	0.380	2.00	1	04/28/2015 14:24	WG783159
Selenium,Dissolved	1.55	J	0.380	2.00	1	04/29/2015 01:30	WG783447
Sodium	210000		110	1000	1	04/28/2015 14:24	WG783159

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		10.0	50.0	1	04/24/2015 04:34	WG783751
Benzene	U		0.330	1.00	1	04/24/2015 04:34	WG783751
Bromodichloromethane	U		0.380	1.00	1	04/24/2015 04:34	WG783751
Bromoform	U		0.470	1.00	1	04/24/2015 04:34	WG783751
Bromomethane	U		0.870	5.00	1	04/24/2015 04:34	WG783751
n-Butylbenzene	U		0.360	1.00	1	04/24/2015 04:34	WG783751
sec-Butylbenzene	U		0.360	1.00	1	04/24/2015 04:34	WG783751
Carbon disulfide	U		0.280	1.00	1	04/24/2015 04:34	WG783751
Carbon tetrachloride	U		0.380	1.00	1	04/24/2015 04:34	WG783751
Chlorobenzene	U		0.350	1.00	1	04/24/2015 04:34	WG783751
Chlorodibromomethane	U		0.330	1.00	1	04/24/2015 04:34	WG783751
Chloroethane	U		0.450	5.00	1	04/24/2015 04:34	WG783751
Chloroform	U		0.320	5.00	1	04/24/2015 04:34	WG783751
Chloromethane	U		0.280	2.50	1	04/24/2015 04:34	WG783751
1,2-Dibromoethane	U		0.380	1.00	1	04/24/2015 04:34	WG783751
1,1-Dichloroethane	U		0.260	1.00	1	04/24/2015 04:34	WG783751



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.360	1.00	1	04/24/2015 04:34	WG783751
1,1-Dichloroethene	U		0.400	1.00	1	04/24/2015 04:34	WG783751
cis-1,2-Dichloroethene	U		0.260	1.00	1	04/24/2015 04:34	WG783751
trans-1,2-Dichloroethene	U		0.400	1.00	1	04/24/2015 04:34	WG783751
1,2-Dichloropropane	U		0.310	1.00	1	04/24/2015 04:34	WG783751
cis-1,3-Dichloropropene	U		0.420	1.00	1	04/24/2015 04:34	WG783751
trans-1,3-Dichloropropene	U		0.420	1.00	1	04/24/2015 04:34	WG783751
Ethylbenzene	U		0.380	1.00	1	04/24/2015 04:34	WG783751
Isopropylbenzene	U		0.330	1.00	1	04/24/2015 04:34	WG783751
p-Isopropyltoluene	U		0.350	1.00	1	04/24/2015 04:34	WG783751
2-Butanone (MEK)	U		3.90	10.0	1	04/24/2015 04:34	WG783751
2-Hexanone	U		3.80	10.0	1	04/24/2015 04:34	WG783751
Methylene Chloride	U		1.00	5.00	1	04/24/2015 04:34	WG783751
4-Methyl-2-pentanone (MIBK)	U		2.10	10.0	1	04/24/2015 04:34	WG783751
Methyl tert-butyl ether	U		0.370	1.00	1	04/24/2015 04:34	WG783751
Naphthalene	U		1.00	5.00	1	04/24/2015 04:34	WG783751
n-Propylbenzene	U		0.350	1.00	1	04/24/2015 04:34	WG783751
Styrene	U		0.310	1.00	1	04/24/2015 04:34	WG783751
1,1,1,2-Tetrachloroethane	U		0.380	1.00	1	04/24/2015 04:34	WG783751
1,1,2,2-Tetrachloroethane	U		0.130	1.00	1	04/24/2015 04:34	WG783751
Tetrachloroethene	U		0.370	1.00	1	04/24/2015 04:34	WG783751
Toluene	U		0.780	5.00	1	04/24/2015 04:34	WG783751
1,1,1-Trichloroethane	U		0.319	1.00	1	04/24/2015 04:34	WG783751
1,1,2-Trichloroethane	U		0.380	1.00	1	04/24/2015 04:34	WG783751
Trichloroethene	U		0.400	1.00	1	04/24/2015 04:34	WG783751
1,2,4-Trimethylbenzene	U		0.370	1.00	1	04/24/2015 04:34	WG783751
1,3,5-Trimethylbenzene	U		0.390	1.00	1	04/24/2015 04:34	WG783751
Vinyl chloride	U		0.260	1.00	1	04/24/2015 04:34	WG783751
o-Xylene	U		0.340	1.00	1	04/24/2015 04:34	WG783751
m&p-Xylene	U		0.720	1.00	1	04/24/2015 04:34	WG783751
Xylenes, Total	U		1.10	3.00	1	04/24/2015 04:34	WG783751
(S) Toluene-d8	101			88.5-111		04/24/2015 04:34	WG783751
(S) Dibromofluoromethane	93.5			78.3-121		04/24/2015 04:34	WG783751
(S) 4-Bromofluorobenzene	102			71.0-126		04/24/2015 04:34	WG783751

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

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	113	<u>B</u>	25.0	100	1	04/23/2015 12:03	WG783644
(S) o-Terphenyl	102			50.0-150		04/23/2015 12:03	WG783644



Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Dissolved Solids	1190000		2800	10000	1	04/24/2015 16:35	WG784001

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Nitrate-Nitrite	U		200	1000	10	05/01/2015 03:00	WG785031

6 Qc

7 Gl

Wet Chemistry by Method 9056MOD

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	800000		5200	100000	100	04/29/2015 20:22	WG785509
Fluoride	19700		990	10000	100	04/29/2015 20:22	WG785509
Sulfate	1030	J	77.0	5000	1	04/29/2015 17:30	WG785509

8 Al

9 Sc

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic	25.9		0.250	2.00	1	04/28/2015 14:27	WG783159
Arsenic,Dissolved	24.7		0.250	2.00	1	04/29/2015 01:36	WG783447
Barium	3500		1.80	25.0	5	04/28/2015 15:46	WG783159
Barium,Dissolved	3150		1.80	25.0	5	04/29/2015 05:52	WG783447
Calcium	132000		46.0	1000	1	04/28/2015 14:27	WG783159
Chromium	U		0.540	2.00	1	04/28/2015 14:27	WG783159
Chromium,Dissolved	U		0.540	2.00	1	04/29/2015 01:36	WG783447
Iron	7480		15.0	100	1	04/28/2015 14:27	WG783159
Iron,Dissolved	7250		15.0	100	1	04/29/2015 01:36	WG783447
Lead	1.72	J	0.240	2.00	1	04/28/2015 14:27	WG783159
Lead,Dissolved	1.42	J	0.240	2.00	1	04/29/2015 01:36	WG783447
Manganese	149		0.250	5.00	1	04/28/2015 14:27	WG783159
Manganese,Dissolved	151		0.250	5.00	1	04/29/2015 01:36	WG783447
Potassium	440	J	37.0	1000	1	04/28/2015 14:27	WG783159
Selenium	U		0.380	2.00	1	04/28/2015 14:27	WG783159
Selenium,Dissolved	0.839	J	0.380	2.00	1	04/29/2015 01:36	WG783447
Sodium	141000		110	1000	1	04/28/2015 14:27	WG783159

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		100	500	10	04/24/2015 04:56	WG783751
Benzene	5650		33.0	100	100	04/30/2015 14:48	WG785315
Bromodichloromethane	U		3.80	10.0	10	04/24/2015 04:56	WG783751
Bromoform	U		4.70	10.0	10	04/24/2015 04:56	WG783751
Bromomethane	U		8.70	50.0	10	04/24/2015 04:56	WG783751
n-Butylbenzene	11.3		3.60	10.0	10	04/24/2015 04:56	WG783751
sec-Butylbenzene	12.2		3.60	10.0	10	04/24/2015 04:56	WG783751
Carbon disulfide	U		2.80	10.0	10	04/24/2015 04:56	WG783751
Carbon tetrachloride	U		3.80	10.0	10	04/24/2015 04:56	WG783751
Chlorobenzene	U		3.50	10.0	10	04/24/2015 04:56	WG783751
Chlorodibromomethane	U		3.30	10.0	10	04/24/2015 04:56	WG783751
Chloroethane	U		4.50	50.0	10	04/24/2015 04:56	WG783751
Chloroform	U		3.20	50.0	10	04/24/2015 04:56	WG783751
Chloromethane	U		2.80	25.0	10	04/24/2015 04:56	WG783751
1,2-Dibromoethane	U		3.80	10.0	10	04/24/2015 04:56	WG783751
1,1-Dichloroethane	U		2.60	10.0	10	04/24/2015 04:56	WG783751



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		3.60	10.0	10	04/24/2015 04:56	WG783751
1,1-Dichloroethene	U		4.00	10.0	10	04/24/2015 04:56	WG783751
cis-1,2-Dichloroethene	U		2.60	10.0	10	04/24/2015 04:56	WG783751
trans-1,2-Dichloroethene	U		4.00	10.0	10	04/24/2015 04:56	WG783751
1,2-Dichloropropane	U		3.10	10.0	10	04/24/2015 04:56	WG783751
cis-1,3-Dichloropropene	U		4.20	10.0	10	04/24/2015 04:56	WG783751
trans-1,3-Dichloropropene	U		4.20	10.0	10	04/24/2015 04:56	WG783751
Ethylbenzene	528		3.80	10.0	10	04/24/2015 04:56	WG783751
Isopropylbenzene	48.4		3.30	10.0	10	04/24/2015 04:56	WG783751
p-Isopropyltoluene	6.73	L	3.50	10.0	10	04/24/2015 04:56	WG783751
2-Butanone (MEK)	U		39.0	100	10	04/24/2015 04:56	WG783751
2-Hexanone	U		38.0	100	10	04/24/2015 04:56	WG783751
Methylene Chloride	U		10.0	50.0	10	04/24/2015 04:56	WG783751
4-Methyl-2-pentanone (MIBK)	U		21.0	100	10	04/24/2015 04:56	WG783751
Methyl tert-butyl ether	3870	L *	37.0	100	100	04/30/2015 14:48	WG785315
Naphthalene	138		10.0	50.0	10	04/24/2015 04:56	WG783751
n-Propylbenzene	69.0		3.50	10.0	10	04/24/2015 04:56	WG783751
Styrene	U		3.10	10.0	10	04/24/2015 04:56	WG783751
1,1,1,2-Tetrachloroethane	U		3.80	10.0	10	04/24/2015 04:56	WG783751
1,1,2,2-Tetrachloroethane	U		1.30	10.0	10	04/24/2015 04:56	WG783751
Tetrachloroethene	U		3.70	10.0	10	04/24/2015 04:56	WG783751
Toluene	141		7.80	50.0	10	04/24/2015 04:56	WG783751
1,1,1-Trichloroethane	U		3.19	10.0	10	04/24/2015 04:56	WG783751
1,1,2-Trichloroethane	U		3.80	10.0	10	04/24/2015 04:56	WG783751
Trichloroethene	U		4.00	10.0	10	04/24/2015 04:56	WG783751
1,2,4-Trimethylbenzene	457		3.70	10.0	10	04/24/2015 04:56	WG783751
1,3,5-Trimethylbenzene	136		3.90	10.0	10	04/24/2015 04:56	WG783751
Vinyl chloride	U		2.60	10.0	10	04/24/2015 04:56	WG783751
o-Xylene	343		3.40	10.0	10	04/24/2015 04:56	WG783751
m&p-Xylene	1040		7.20	10.0	10	04/24/2015 04:56	WG783751
Xylenes, Total	1380		11.0	30.0	10	04/24/2015 04:56	WG783751
(S) Toluene-d8	101			88.5-111		04/24/2015 04:56	WG783751
(S) Dibromofluoromethane	89.7			78.3-121		04/24/2015 04:56	WG783751
(S) 4-Bromofluorobenzene	104			71.0-126		04/24/2015 04:56	WG783751

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

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	9160	B	25.0	100	1	04/23/2015 12:20	WG783644
(S) o-Terphenyl	114			50.0-150		04/23/2015 12:20	WG783644



Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Dissolved Solids	6010000		2800	10000	1	04/24/2015 16:35	WG784001

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Nitrate-Nitrite	16200		98.0	500	5	05/01/2015 03:21	WG785031

Wet Chemistry by Method 9056MOD

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	1430000		5200	100000	100	04/29/2015 20:37	WG785509
Fluoride	22300		990	10000	100	04/29/2015 20:37	WG785509
Sulfate	2890000		7700	500000	100	04/29/2015 20:37	WG785509

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic	4.95		0.250	2.00	1	04/28/2015 14:38	WG783159
Arsenic,Dissolved	5.08		0.250	2.00	1	04/29/2015 01:39	WG783447
Barium	26.7		0.360	5.00	1	04/28/2015 14:38	WG783159
Barium,Dissolved	17.1		0.360	5.00	1	04/29/2015 01:39	WG783447
Calcium	641000		230	5000	5	04/28/2015 15:48	WG783159
Chromium	1.04	J	0.540	2.00	1	04/28/2015 14:38	WG783159
Chromium,Dissolved	U		0.540	2.00	1	04/29/2015 01:39	WG783447
Iron	658		15.0	100	1	04/28/2015 14:38	WG783159
Iron,Dissolved	385		15.0	100	1	04/29/2015 01:39	WG783447
Lead	0.946	J	0.240	2.00	1	04/28/2015 14:38	WG783159
Lead,Dissolved	U		0.240	2.00	1	04/29/2015 01:39	WG783447
Manganese	192		0.250	5.00	1	04/28/2015 14:38	WG783159
Manganese,Dissolved	188		0.250	5.00	1	04/29/2015 01:39	WG783447
Potassium	1570		37.0	1000	1	04/28/2015 14:38	WG783159
Selenium	30.0		0.380	2.00	1	04/28/2015 14:38	WG783159
Selenium,Dissolved	33.1		0.380	2.00	1	04/29/2015 01:39	WG783447
Sodium	460000		110	1000	1	04/28/2015 14:38	WG783159

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TPH (GC/FID) Low Fraction	U		31.0	100	1	04/21/2015 14:26	WG783232
(S) a,a,a-Trifluorotoluene(FID) 92.5				62.0-128		04/21/2015 14:26	WG783232

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		10.0	50.0	1	04/24/2015 05:18	WG783751
Benzene	U		0.330	1.00	1	04/30/2015 15:08	WG785315
Bromodichloromethane	U		0.380	1.00	1	04/24/2015 05:18	WG783751
Bromoform	U		0.470	1.00	1	04/24/2015 05:18	WG783751
Bromomethane	U		0.870	5.00	1	04/24/2015 05:18	WG783751
n-Butylbenzene	U		0.360	1.00	1	04/24/2015 05:18	WG783751
sec-Butylbenzene	U		0.360	1.00	1	04/24/2015 05:18	WG783751
Carbon disulfide	U		0.280	1.00	1	04/24/2015 05:18	WG783751
Carbon tetrachloride	U		0.380	1.00	1	04/24/2015 05:18	WG783751



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chlorobenzene	U		0.350	1.00	1	04/24/2015 05:18	WG783751
Chlorodibromomethane	U		0.330	1.00	1	04/24/2015 05:18	WG783751
Chloroethane	U		0.450	5.00	1	04/24/2015 05:18	WG783751
Chloroform	U		0.320	5.00	1	04/24/2015 05:18	WG783751
Chloromethane	U		0.280	2.50	1	04/24/2015 05:18	WG783751
1,2-Dibromoethane	U		0.380	1.00	1	04/24/2015 05:18	WG783751
1,1-Dichloroethane	U		0.260	1.00	1	04/24/2015 05:18	WG783751
1,2-Dichloroethane	U		0.360	1.00	1	04/24/2015 05:18	WG783751
1,1-Dichloroethene	U		0.400	1.00	1	04/24/2015 05:18	WG783751
cis-1,2-Dichloroethene	U		0.260	1.00	1	04/24/2015 05:18	WG783751
trans-1,2-Dichloroethene	U		0.400	1.00	1	04/24/2015 05:18	WG783751
1,2-Dichloropropane	U		0.310	1.00	1	04/24/2015 05:18	WG783751
cis-1,3-Dichloropropene	U		0.420	1.00	1	04/24/2015 05:18	WG783751
trans-1,3-Dichloropropene	U		0.420	1.00	1	04/24/2015 05:18	WG783751
Ethylbenzene	0.667	U	0.380	1.00	1	04/24/2015 05:18	WG783751
Isopropylbenzene	U		0.330	1.00	1	04/24/2015 05:18	WG783751
p-Isopropyltoluene	U		0.350	1.00	1	04/24/2015 05:18	WG783751
2-Butanone (MEK)	U		3.90	10.0	1	04/24/2015 05:18	WG783751
2-Hexanone	U		3.80	10.0	1	04/24/2015 05:18	WG783751
Methylene Chloride	U		1.00	5.00	1	04/24/2015 05:18	WG783751
4-Methyl-2-pentanone (MIBK)	U		2.10	10.0	1	04/24/2015 05:18	WG783751
Methyl tert-butyl ether	U		0.370	1.00	1	04/30/2015 15:08	WG785315
Naphthalene	1.56	U	1.00	5.00	1	04/24/2015 05:18	WG783751
n-Propylbenzene	U		0.350	1.00	1	04/24/2015 05:18	WG783751
Styrene	U		0.310	1.00	1	04/24/2015 05:18	WG783751
1,1,1,2-Tetrachloroethane	U		0.380	1.00	1	04/24/2015 05:18	WG783751
1,1,2,2-Tetrachloroethane	U		0.130	1.00	1	04/24/2015 05:18	WG783751
Tetrachloroethene	U		0.370	1.00	1	04/24/2015 05:18	WG783751
Toluene	U		0.780	5.00	1	04/24/2015 05:18	WG783751
1,1,1-Trichloroethane	U		0.319	1.00	1	04/24/2015 05:18	WG783751
1,1,2-Trichloroethane	U		0.380	1.00	1	04/24/2015 05:18	WG783751
Trichloroethene	U		0.400	1.00	1	04/24/2015 05:18	WG783751
1,2,4-Trimethylbenzene	1.63		0.370	1.00	1	04/24/2015 05:18	WG783751
1,3,5-Trimethylbenzene	0.463	U	0.390	1.00	1	04/24/2015 05:18	WG783751
Vinyl chloride	U		0.260	1.00	1	04/24/2015 05:18	WG783751
o-Xylene	0.561	U	0.340	1.00	1	04/24/2015 05:18	WG783751
m&p-Xylene	1.41		0.720	1.00	1	04/24/2015 05:18	WG783751
Xylenes, Total	1.97	U	1.10	3.00	1	04/24/2015 05:18	WG783751
(S) Toluene-d8	101			88.5-111		04/24/2015 05:18	WG783751
(S) Dibromofluoromethane	92.1			78.3-121		04/24/2015 05:18	WG783751
(S) 4-Bromofluorobenzene	101			71.0-126		04/24/2015 05:18	WG783751

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

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	200	B	25.0	100	1	04/23/2015 12:38	WG783644
(S) o-Terphenyl	102			50.0-150		04/23/2015 12:38	WG783644



Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Dissolved Solids	3660000		2800	10000	1	04/24/2015 16:35	WG784001

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Nitrate-Nitrite	4310		20.0	100	1	05/01/2015 03:06	WG785031

Wet Chemistry by Method 9012B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Cyanide	U		1.80	5.00	1	04/30/2015 13:14	WG784739

Wet Chemistry by Method 9056MOD

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	668000		5200	100000	100	04/29/2015 20:51	WG785509
Fluoride	18500		990	10000	100	04/29/2015 20:51	WG785509
Sulfate	2380000		7700	500000	100	04/29/2015 20:51	WG785509

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Mercury	U		0.0490	0.200	1	04/21/2015 12:35	WG783354

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic	1.60	J	0.250	2.00	1	04/28/2015 14:40	WG783159
Arsenic,Dissolved	1.67	J	0.250	2.00	1	04/29/2015 01:41	WG783447
Barium	16.8		0.360	5.00	1	04/28/2015 14:40	WG783159
Barium,Dissolved	16.0		0.360	5.00	1	04/29/2015 01:41	WG783447
Calcium	528000		92.0	2000	2	04/28/2015 15:50	WG783159
Chromium	1.64	J	0.540	2.00	1	04/28/2015 14:40	WG783159
Chromium,Dissolved	U		0.540	2.00	1	04/29/2015 01:41	WG783447
Iron	269		15.0	100	1	04/28/2015 14:40	WG783159
Iron,Dissolved	15.6	J	15.0	100	1	04/29/2015 01:41	WG783447
Lead	0.780	J	0.240	2.00	1	04/28/2015 14:40	WG783159
Lead,Dissolved	U		0.240	2.00	1	04/29/2015 01:41	WG783447
Manganese	3.53	J	0.250	5.00	1	04/28/2015 14:40	WG783159
Manganese,Dissolved	U		0.250	5.00	1	04/29/2015 01:41	WG783447
Nickel	0.930	J	0.350	2.00	1	04/28/2015 14:40	WG783159
Nickel,Dissolved	0.471	J	0.350	2.00	1	04/29/2015 01:41	WG783447
Potassium	723	J	37.0	1000	1	04/28/2015 14:40	WG783159
Selenium	4.35		0.380	2.00	1	04/28/2015 14:40	WG783159
Selenium,Dissolved	4.45		0.380	2.00	1	04/29/2015 01:41	WG783447
Sodium	128000		110	1000	1	04/28/2015 14:40	WG783159
Vanadium	10.8		0.180	5.00	1	04/28/2015 14:40	WG783159
Vanadium,Dissolved	11.2		0.180	5.00	1	04/29/2015 01:41	WG783447

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TPH (GC/FID) Low Fraction	U		31.0	100	1	04/21/2015 14:48	WG783232



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
(S) a,a,a-Trifluorotoluene(FID)	91.9			62.0-128		04/21/2015 14:48	WG783232

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		10.0	50.0	1	04/24/2015 05:40	WG783751
Benzene	U		0.330	1.00	1	04/24/2015 05:40	WG783751
Bromodichloromethane	U		0.380	1.00	1	04/24/2015 05:40	WG783751
Bromoform	U		0.470	1.00	1	04/24/2015 05:40	WG783751
Bromomethane	U		0.870	5.00	1	04/24/2015 05:40	WG783751
n-Butylbenzene	U		0.360	1.00	1	04/24/2015 05:40	WG783751
sec-Butylbenzene	U		0.360	1.00	1	04/24/2015 05:40	WG783751
Carbon disulfide	U		0.280	1.00	1	04/24/2015 05:40	WG783751
Carbon tetrachloride	U		0.380	1.00	1	04/24/2015 05:40	WG783751
Chlorobenzene	U		0.350	1.00	1	04/24/2015 05:40	WG783751
Chlorodibromomethane	U		0.330	1.00	1	04/24/2015 05:40	WG783751
Chloroethane	U		0.450	5.00	1	04/24/2015 05:40	WG783751
Chloroform	U		0.320	5.00	1	04/24/2015 05:40	WG783751
Chloromethane	U		0.280	2.50	1	04/24/2015 05:40	WG783751
1,2-Dibromoethane	U		0.380	1.00	1	04/24/2015 05:40	WG783751
1,1-Dichloroethane	U		0.260	1.00	1	04/24/2015 05:40	WG783751
1,2-Dichloroethane	U		0.360	1.00	1	04/24/2015 05:40	WG783751
1,1-Dichloroethene	U		0.400	1.00	1	04/24/2015 05:40	WG783751
cis-1,2-Dichloroethene	U		0.260	1.00	1	04/24/2015 05:40	WG783751
trans-1,2-Dichloroethene	U		0.400	1.00	1	04/24/2015 05:40	WG783751
1,2-Dichloropropane	U		0.310	1.00	1	04/24/2015 05:40	WG783751
cis-1,3-Dichloropropene	U		0.420	1.00	1	04/24/2015 05:40	WG783751
trans-1,3-Dichloropropene	U		0.420	1.00	1	04/24/2015 05:40	WG783751
Ethylbenzene	U		0.380	1.00	1	04/24/2015 05:40	WG783751
Isopropylbenzene	U		0.330	1.00	1	04/24/2015 05:40	WG783751
p-Isopropyltoluene	U		0.350	1.00	1	04/24/2015 05:40	WG783751
2-Butanone (MEK)	U		3.90	10.0	1	04/24/2015 05:40	WG783751
2-Hexanone	U		3.80	10.0	1	04/24/2015 05:40	WG783751
Methylene Chloride	U		1.00	5.00	1	04/24/2015 05:40	WG783751
4-Methyl-2-pentanone (MIBK)	U		2.10	10.0	1	04/24/2015 05:40	WG783751
Methyl tert-butyl ether	U		0.370	1.00	1	04/24/2015 05:40	WG783751
Naphthalene	U		1.00	5.00	1	04/24/2015 05:40	WG783751
n-Propylbenzene	U		0.350	1.00	1	04/24/2015 05:40	WG783751
Styrene	U		0.310	1.00	1	04/24/2015 05:40	WG783751
1,1,1,2-Tetrachloroethane	U		0.380	1.00	1	04/24/2015 05:40	WG783751
1,1,2,2-Tetrachloroethane	U		0.130	1.00	1	04/24/2015 05:40	WG783751
Tetrachloroethene	U		0.370	1.00	1	04/24/2015 05:40	WG783751
Toluene	U		0.780	5.00	1	04/24/2015 05:40	WG783751
1,1,1-Trichloroethane	U		0.319	1.00	1	04/24/2015 05:40	WG783751
1,1,2-Trichloroethane	U		0.380	1.00	1	04/24/2015 05:40	WG783751
Trichloroethene	U		0.400	1.00	1	04/24/2015 05:40	WG783751
1,2,4-Trimethylbenzene	0.452	J	0.370	1.00	1	04/24/2015 05:40	WG783751
1,3,5-Trimethylbenzene	U		0.390	1.00	1	04/24/2015 05:40	WG783751
Vinyl chloride	U		0.260	1.00	1	04/24/2015 05:40	WG783751
o-Xylene	U		0.340	1.00	1	04/24/2015 05:40	WG783751
m&p-Xylene	U		0.720	1.00	1	04/24/2015 05:40	WG783751
Xylenes, Total	U		1.10	3.00	1	04/24/2015 05:40	WG783751
(S) Toluene-d8	101			88.5-111		04/24/2015 05:40	WG783751
(S) Dibromofluoromethane	92.2			78.3-121		04/24/2015 05:40	WG783751
(S) 4-Bromofluorobenzene	103			71.0-126		04/24/2015 05:40	WG783751

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	31.0	J	25.0	100	1	04/23/2015 12:55	WG783644
(S) o-Terphenyl	102			50.0-150		04/23/2015 12:55	WG783644

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc



Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Dissolved Solids	3730000		2800	10000	1	04/24/2015 16:35	WG784001

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Nitrate-Nitrite	3800		20.0	100	1	05/01/2015 03:07	WG785031

Wet Chemistry by Method 9012B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Cyanide	U		1.80	5.00	1	04/30/2015 13:15	WG784739

Wet Chemistry by Method 9056MOD

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	689000		5200	100000	100	04/29/2015 21:05	WG785509
Fluoride	20200		990	10000	100	04/29/2015 21:05	WG785509
Sulfate	2520000		7700	500000	100	04/29/2015 21:05	WG785509

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Mercury	U		0.0490	0.200	1	04/21/2015 11:56	WG783354

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic	1.51	J	0.250	2.00	1	04/28/2015 14:42	WG783159
Arsenic,Dissolved	1.69	J	0.250	2.00	1	04/29/2015 01:43	WG783447
Barium	8.23		0.360	5.00	1	04/28/2015 14:42	WG783159
Barium,Dissolved	9.05		0.360	5.00	1	04/29/2015 01:43	WG783447
Calcium	549000		92.0	2000	2	04/28/2015 15:52	WG783159
Chromium	0.588	J	0.540	2.00	1	04/28/2015 14:42	WG783159
Chromium,Dissolved	U		0.540	2.00	1	04/29/2015 01:43	WG783447
Iron	U		15.0	100	1	04/28/2015 14:42	WG783159
Iron,Dissolved	U		15.0	100	1	04/29/2015 01:43	WG783447
Lead	U		0.240	2.00	1	04/28/2015 14:42	WG783159
Lead,Dissolved	U		0.240	2.00	1	04/29/2015 01:43	WG783447
Manganese	0.826	J	0.250	5.00	1	04/28/2015 14:42	WG783159
Manganese,Dissolved	0.656	J	0.250	5.00	1	04/29/2015 01:43	WG783447
Nickel	0.469	J	0.350	2.00	1	04/28/2015 14:42	WG783159
Nickel,Dissolved	0.442	J	0.350	2.00	1	04/29/2015 01:43	WG783447
Potassium	523	J	37.0	1000	1	04/28/2015 14:42	WG783159
Selenium	3.48		0.380	2.00	1	04/28/2015 14:42	WG783159
Selenium,Dissolved	4.04		0.380	2.00	1	04/29/2015 01:43	WG783447
Sodium	130000		110	1000	1	04/28/2015 14:42	WG783159
Vanadium	10.8		0.180	5.00	1	04/28/2015 14:42	WG783159
Vanadium,Dissolved	11.2		0.180	5.00	1	04/29/2015 01:43	WG783447

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TPH (GC/FID) Low Fraction	U		31.0	100	1	04/21/2015 15:10	WG783232



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
(S) a,a,a-Trifluorotoluene(FID)	92.0			62.0-128		04/21/2015 15:10	WG783232

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		10.0	50.0	1	04/24/2015 06:02	WG783751
Benzene	U		0.330	1.00	1	04/24/2015 06:02	WG783751
Bromodichloromethane	U		0.380	1.00	1	04/24/2015 06:02	WG783751
Bromoform	U		0.470	1.00	1	04/24/2015 06:02	WG783751
Bromomethane	U		0.870	5.00	1	04/24/2015 06:02	WG783751
n-Butylbenzene	U		0.360	1.00	1	04/24/2015 06:02	WG783751
sec-Butylbenzene	U		0.360	1.00	1	04/24/2015 06:02	WG783751
Carbon disulfide	U		0.280	1.00	1	04/24/2015 06:02	WG783751
Carbon tetrachloride	U		0.380	1.00	1	04/24/2015 06:02	WG783751
Chlorobenzene	U		0.350	1.00	1	04/24/2015 06:02	WG783751
Chlorodibromomethane	U		0.330	1.00	1	04/24/2015 06:02	WG783751
Chloroethane	U		0.450	5.00	1	04/24/2015 06:02	WG783751
Chloroform	U		0.320	5.00	1	04/24/2015 06:02	WG783751
Chloromethane	U		0.280	2.50	1	04/24/2015 06:02	WG783751
1,2-Dibromoethane	U		0.380	1.00	1	04/24/2015 06:02	WG783751
1,1-Dichloroethane	U		0.260	1.00	1	04/24/2015 06:02	WG783751
1,2-Dichloroethane	U		0.360	1.00	1	04/24/2015 06:02	WG783751
1,1-Dichloroethene	U		0.400	1.00	1	04/24/2015 06:02	WG783751
cis-1,2-Dichloroethene	U		0.260	1.00	1	04/24/2015 06:02	WG783751
trans-1,2-Dichloroethene	U		0.400	1.00	1	04/24/2015 06:02	WG783751
1,2-Dichloropropane	U		0.310	1.00	1	04/24/2015 06:02	WG783751
cis-1,3-Dichloropropene	U		0.420	1.00	1	04/24/2015 06:02	WG783751
trans-1,3-Dichloropropene	U		0.420	1.00	1	04/24/2015 06:02	WG783751
Ethylbenzene	U		0.380	1.00	1	04/24/2015 06:02	WG783751
Isopropylbenzene	U		0.330	1.00	1	04/24/2015 06:02	WG783751
p-Isopropyltoluene	U		0.350	1.00	1	04/24/2015 06:02	WG783751
2-Butanone (MEK)	U		3.90	10.0	1	04/24/2015 06:02	WG783751
2-Hexanone	U		3.80	10.0	1	04/24/2015 06:02	WG783751
Methylene Chloride	U		1.00	5.00	1	04/24/2015 06:02	WG783751
4-Methyl-2-pentanone (MIBK)	U		2.10	10.0	1	04/24/2015 06:02	WG783751
Methyl tert-butyl ether	U		0.370	1.00	1	04/24/2015 06:02	WG783751
Naphthalene	U		1.00	5.00	1	04/24/2015 06:02	WG783751
n-Propylbenzene	U		0.350	1.00	1	04/24/2015 06:02	WG783751
Styrene	U		0.310	1.00	1	04/24/2015 06:02	WG783751
1,1,1,2-Tetrachloroethane	U		0.380	1.00	1	04/24/2015 06:02	WG783751
1,1,2,2-Tetrachloroethane	U		0.130	1.00	1	04/24/2015 06:02	WG783751
Tetrachloroethene	U		0.370	1.00	1	04/24/2015 06:02	WG783751
Toluene	U		0.780	5.00	1	04/24/2015 06:02	WG783751
1,1,1-Trichloroethane	U		0.319	1.00	1	04/24/2015 06:02	WG783751
1,1,2-Trichloroethane	U		0.380	1.00	1	04/24/2015 06:02	WG783751
Trichloroethene	U		0.400	1.00	1	04/24/2015 06:02	WG783751
1,2,4-Trimethylbenzene	U		0.370	1.00	1	04/24/2015 06:02	WG783751
1,3,5-Trimethylbenzene	U		0.390	1.00	1	04/24/2015 06:02	WG783751
Vinyl chloride	U		0.260	1.00	1	04/24/2015 06:02	WG783751
o-Xylene	U		0.340	1.00	1	04/24/2015 06:02	WG783751
m&p-Xylene	U		0.720	1.00	1	04/24/2015 06:02	WG783751
Xylenes, Total	U		1.10	3.00	1	04/24/2015 06:02	WG783751
(S) Toluene-d8	101			88.5-111		04/24/2015 06:02	WG783751
(S) Dibromofluoromethane	93.8			78.3-121		04/24/2015 06:02	WG783751
(S) 4-Bromofluorobenzene	103			71.0-126		04/24/2015 06:02	WG783751

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TPH (GC/FID) High Fraction	74.0	J	25.0	100	1	04/23/2015 13:13	WG783644
(S) o-Terphenyl	102			50.0-150		04/23/2015 13:13	WG783644

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc



Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Dissolved Solids	2450000		2800	10000	1	04/24/2015 16:35	WG784001

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Nitrate-Nitrite	U		200	1000	10	05/01/2015 03:09	WG785031

6 Qc

7 Gl

Wet Chemistry by Method 9056MOD

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	259000		5200	100000	100	05/02/2015 19:57	WG785953
Fluoride	879		9.90	100	1	05/05/2015 15:54	WG785654
Sulfate	884000		7700	500000	100	05/02/2015 19:57	WG785953

8 Al

9 Sc

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic	2.81		0.250	2.00	1	04/28/2015 14:44	WG783159
Arsenic,Dissolved	2.49		0.250	2.00	1	04/29/2015 01:45	WG783447
Barium	274		0.360	5.00	1	04/28/2015 14:44	WG783159
Barium,Dissolved	273		0.360	5.00	1	04/29/2015 01:45	WG783447
Calcium	233000		46.0	1000	1	04/28/2015 14:44	WG783159
Chromium	0.702	J	0.540	2.00	1	04/28/2015 14:44	WG783159
Chromium,Dissolved	U		0.540	2.00	1	04/29/2015 01:45	WG783447
Iron	329		15.0	100	1	04/28/2015 14:44	WG783159
Iron,Dissolved	216		15.0	100	1	04/29/2015 01:45	WG783447
Lead	4.68		0.240	2.00	1	04/28/2015 14:44	WG783159
Lead,Dissolved	0.989	J	0.240	2.00	1	04/29/2015 01:45	WG783447
Manganese	356		0.250	5.00	1	04/28/2015 14:44	WG783159
Manganese,Dissolved	419		0.250	5.00	1	04/29/2015 01:45	WG783447
Potassium	777	J	37.0	1000	1	04/28/2015 14:44	WG783159
Selenium	U		0.380	2.00	1	04/28/2015 14:44	WG783159
Selenium,Dissolved	0.612	J	0.380	2.00	1	04/29/2015 01:45	WG783447
Sodium	267000		110	1000	1	04/28/2015 14:44	WG783159

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		100	500	10	04/24/2015 06:25	WG783751
Benzene	1980		3.30	10.0	10	04/24/2015 06:25	WG783751
Bromodichloromethane	U		3.80	10.0	10	04/24/2015 06:25	WG783751
Bromoform	U		4.70	10.0	10	04/24/2015 06:25	WG783751
Bromomethane	U		8.70	50.0	10	04/24/2015 06:25	WG783751
n-Butylbenzene	7.30	J	3.60	10.0	10	04/24/2015 06:25	WG783751
sec-Butylbenzene	10.7		3.60	10.0	10	04/24/2015 06:25	WG783751
Carbon disulfide	U		2.80	10.0	10	04/24/2015 06:25	WG783751
Carbon tetrachloride	U		3.80	10.0	10	04/24/2015 06:25	WG783751
Chlorobenzene	U		3.50	10.0	10	04/24/2015 06:25	WG783751
Chlorodibromomethane	U		3.30	10.0	10	04/24/2015 06:25	WG783751
Chloroethane	U		4.50	50.0	10	04/24/2015 06:25	WG783751
Chloroform	U		3.20	50.0	10	04/24/2015 06:25	WG783751
Chloromethane	U		2.80	25.0	10	04/24/2015 06:25	WG783751
1,2-Dibromoethane	U		3.80	10.0	10	04/24/2015 06:25	WG783751
1,1-Dichloroethane	U		2.60	10.0	10	04/24/2015 06:25	WG783751



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		3.60	10.0	10	04/24/2015 06:25	WG783751
1,1-Dichloroethene	U		4.00	10.0	10	04/24/2015 06:25	WG783751
cis-1,2-Dichloroethene	U		2.60	10.0	10	04/24/2015 06:25	WG783751
trans-1,2-Dichloroethene	U		4.00	10.0	10	04/24/2015 06:25	WG783751
1,2-Dichloropropane	U		3.10	10.0	10	04/24/2015 06:25	WG783751
cis-1,3-Dichloropropene	U		4.20	10.0	10	04/24/2015 06:25	WG783751
trans-1,3-Dichloropropene	U		4.20	10.0	10	04/24/2015 06:25	WG783751
Ethylbenzene	992		3.80	10.0	10	04/24/2015 06:25	WG783751
Isopropylbenzene	69.8		3.30	10.0	10	04/24/2015 06:25	WG783751
p-Isopropyltoluene	4.68	L	3.50	10.0	10	04/24/2015 06:25	WG783751
2-Butanone (MEK)	U		39.0	100	10	04/24/2015 06:25	WG783751
2-Hexanone	U		38.0	100	10	04/24/2015 06:25	WG783751
Methylene Chloride	U		10.0	50.0	10	04/24/2015 06:25	WG783751
4-Methyl-2-pentanone (MIBK)	U		21.0	100	10	04/24/2015 06:25	WG783751
Methyl tert-butyl ether	18.6		3.70	10.0	10	04/24/2015 06:25	WG783751
Naphthalene	26.0	L	10.0	50.0	10	04/24/2015 06:25	WG783751
n-Propylbenzene	119		3.50	10.0	10	04/24/2015 06:25	WG783751
Styrene	U		3.10	10.0	10	04/24/2015 06:25	WG783751
1,1,1,2-Tetrachloroethane	U		3.80	10.0	10	04/24/2015 06:25	WG783751
1,1,2,2-Tetrachloroethane	U		1.30	10.0	10	04/24/2015 06:25	WG783751
Tetrachloroethene	U		3.70	10.0	10	04/24/2015 06:25	WG783751
Toluene	14.0	L	7.80	50.0	10	04/24/2015 06:25	WG783751
1,1,1-Trichloroethane	U		3.19	10.0	10	04/24/2015 06:25	WG783751
1,1,2-Trichloroethane	U		3.80	10.0	10	04/24/2015 06:25	WG783751
Trichloroethene	U		4.00	10.0	10	04/24/2015 06:25	WG783751
1,2,4-Trimethylbenzene	307		3.70	10.0	10	04/24/2015 06:25	WG783751
1,3,5-Trimethylbenzene	U		3.90	10.0	10	04/24/2015 06:25	WG783751
Vinyl chloride	U		2.60	10.0	10	04/24/2015 06:25	WG783751
o-Xylene	11.5		3.40	10.0	10	04/24/2015 06:25	WG783751
m&p-Xylene	224		7.20	10.0	10	04/24/2015 06:25	WG783751
Xylenes, Total	236		11.0	30.0	10	04/24/2015 06:25	WG783751
(S) Toluene-d8	102			88.5-111		04/24/2015 06:25	WG783751
(S) Dibromofluoromethane	87.9			78.3-121		04/24/2015 06:25	WG783751
(S) 4-Bromofluorobenzene	103			71.0-126		04/24/2015 06:25	WG783751

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

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	5200	B	25.0	100	1	04/23/2015 13:30	WG783644
(S) o-Terphenyl	116			50.0-150		04/23/2015 13:30	WG783644



Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Dissolved Solids	1150000		2800	10000	1	04/24/2015 16:35	WG784001

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Nitrate-Nitrite	U		200	1000	10	05/01/2015 03:10	WG785031

Wet Chemistry by Method 9012B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Cyanide	U		1.80	5.00	1	04/30/2015 13:16	WG784739

Wet Chemistry by Method 9056MOD

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	149000		5200	100000	100	05/02/2015 20:12	WG785953
Fluoride	1150		9.90	100	1	05/05/2015 17:06	WG785654
Sulfate	9630		77.0	5000	1	05/02/2015 13:04	WG785953

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Mercury	U		0.0490	0.200	1	04/21/2015 12:37	WG783354

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic	12.1		0.250	2.00	1	04/28/2015 14:47	WG783159
Arsenic,Dissolved	11.6		0.250	2.00	1	04/29/2015 01:48	WG783447
Barium	819		0.360	5.00	1	04/28/2015 14:47	WG783159
Barium,Dissolved	890		0.360	5.00	1	04/29/2015 01:48	WG783447
Calcium	200000		46.0	1000	1	04/28/2015 14:47	WG783159
Chromium	U		0.540	2.00	1	04/28/2015 14:47	WG783159
Chromium,Dissolved	U		0.540	2.00	1	04/29/2015 01:48	WG783447
Iron	1760		15.0	100	1	04/28/2015 14:47	WG783159
Iron,Dissolved	1330		15.0	100	1	04/29/2015 01:48	WG783447
Lead	3.39		0.240	2.00	1	04/28/2015 14:47	WG783159
Lead,Dissolved	2.59		0.240	2.00	1	04/29/2015 01:48	WG783447
Manganese	94.6		0.250	5.00	1	04/28/2015 14:47	WG783159
Manganese,Dissolved	97.4		0.250	5.00	1	04/29/2015 01:48	WG783447
Nickel	1.40	U	0.350	2.00	1	04/28/2015 14:47	WG783159
Nickel,Dissolved	0.747	U	0.350	2.00	1	04/29/2015 01:48	WG783447
Potassium	317	U	37.0	1000	1	04/28/2015 14:47	WG783159
Selenium	U		0.380	2.00	1	04/28/2015 14:47	WG783159
Selenium,Dissolved	0.588	U	0.380	2.00	1	04/29/2015 01:48	WG783447
Sodium	58800		110	1000	1	04/28/2015 14:47	WG783159
Vanadium	2.29	U	0.180	5.00	1	04/28/2015 14:47	WG783159
Vanadium,Dissolved	2.37	U	0.180	5.00	1	04/29/2015 01:48	WG783447



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		100	500	10	04/24/2015 06:47	WG783751
Benzene	6030		33.0	100	100	04/30/2015 15:27	WG785315
Bromodichloromethane	U		3.80	10.0	10	04/24/2015 06:47	WG783751
Bromoform	U		4.70	10.0	10	04/24/2015 06:47	WG783751
Bromomethane	U		8.70	50.0	10	04/24/2015 06:47	WG783751
n-Butylbenzene	9.21	L	3.60	10.0	10	04/24/2015 06:47	WG783751
sec-Butylbenzene	11.9		3.60	10.0	10	04/24/2015 06:47	WG783751
Carbon disulfide	U		2.80	10.0	10	04/24/2015 06:47	WG783751
Carbon tetrachloride	U		3.80	10.0	10	04/24/2015 06:47	WG783751
Chlorobenzene	U		3.50	10.0	10	04/24/2015 06:47	WG783751
Chlorodibromomethane	U		3.30	10.0	10	04/24/2015 06:47	WG783751
Chloroethane	U		4.50	50.0	10	04/24/2015 06:47	WG783751
Chloroform	U		3.20	50.0	10	04/24/2015 06:47	WG783751
Chloromethane	U		2.80	25.0	10	04/24/2015 06:47	WG783751
1,2-Dibromoethane	U		3.80	10.0	10	04/24/2015 06:47	WG783751
1,1-Dichloroethane	U		2.60	10.0	10	04/24/2015 06:47	WG783751
1,2-Dichloroethane	U		3.60	10.0	10	04/24/2015 06:47	WG783751
1,1-Dichloroethene	U		4.00	10.0	10	04/24/2015 06:47	WG783751
cis-1,2-Dichloroethene	U		2.60	10.0	10	04/24/2015 06:47	WG783751
trans-1,2-Dichloroethene	U		4.00	10.0	10	04/24/2015 06:47	WG783751
1,2-Dichloropropane	U		3.10	10.0	10	04/24/2015 06:47	WG783751
cis-1,3-Dichloropropene	U		4.20	10.0	10	04/24/2015 06:47	WG783751
trans-1,3-Dichloropropene	U		4.20	10.0	10	04/24/2015 06:47	WG783751
Ethylbenzene	1980		38.0	100	100	04/30/2015 15:27	WG785315
Isopropylbenzene	73.2		3.30	10.0	10	04/24/2015 06:47	WG783751
p-Isopropyltoluene	7.70	L	3.50	10.0	10	04/24/2015 06:47	WG783751
2-Butanone (MEK)	U		39.0	100	10	04/24/2015 06:47	WG783751
2-Hexanone	U		38.0	100	10	04/24/2015 06:47	WG783751
Methylene Chloride	U		10.0	50.0	10	04/24/2015 06:47	WG783751
4-Methyl-2-pentanone (MIBK)	U		21.0	100	10	04/24/2015 06:47	WG783751
Methyl tert-butyl ether	18.7		3.70	10.0	10	04/24/2015 06:47	WG783751
Naphthalene	318		10.0	50.0	10	04/24/2015 06:47	WG783751
n-Propylbenzene	112		3.50	10.0	10	04/24/2015 06:47	WG783751
Styrene	U		3.10	10.0	10	04/24/2015 06:47	WG783751
1,1,1,2-Tetrachloroethane	U		3.80	10.0	10	04/24/2015 06:47	WG783751
1,1,2,2-Tetrachloroethane	U		1.30	10.0	10	04/24/2015 06:47	WG783751
Tetrachloroethene	U		3.70	10.0	10	04/24/2015 06:47	WG783751
Toluene	17.4	L	7.80	50.0	10	04/24/2015 06:47	WG783751
1,1,1-Trichloroethane	U		3.19	10.0	10	04/24/2015 06:47	WG783751
1,1,2-Trichloroethane	U		3.80	10.0	10	04/24/2015 06:47	WG783751
Trichloroethene	U		4.00	10.0	10	04/24/2015 06:47	WG783751
1,2,4-Trimethylbenzene	1040		3.70	10.0	10	04/24/2015 06:47	WG783751
1,3,5-Trimethylbenzene	195		3.90	10.0	10	04/24/2015 06:47	WG783751
Vinyl chloride	U		2.60	10.0	10	04/24/2015 06:47	WG783751
o-Xylene	83.0		3.40	10.0	10	04/24/2015 06:47	WG783751
m&p-Xylene	2080		7.20	10.0	10	04/24/2015 06:47	WG783751
Xylenes, Total	2160		11.0	30.0	10	04/24/2015 06:47	WG783751
(S) Toluene-d8	102			88.5-111		04/24/2015 06:47	WG783751
(S) Dibromofluoromethane	90.3			78.3-121		04/24/2015 06:47	WG783751
(S) 4-Bromofluorobenzene	103			71.0-126		04/24/2015 06:47	WG783751

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	9000	B	25.0	100	1	04/23/2015 13:47	WG783644
(S) o-Terphenyl	107			50.0-150		04/23/2015 13:47	WG783644



Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Dissolved Solids	3060000		2800	10000	1	04/27/2015 09:32	WG784340

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Nitrate-Nitrite	15300		98.0	500	5	05/01/2015 03:22	WG785031

Wet Chemistry by Method 9012B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Cyanide	U		1.80	5.00	1	04/30/2015 13:17	WG784739

Wet Chemistry by Method 9056MOD

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	788000		5200	100000	100	05/01/2015 01:51	WG785856
Fluoride	704		9.90	100	1	05/06/2015 14:10	WG787032
Sulfate	1970000		7700	500000	100	05/01/2015 01:51	WG785856

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Mercury	U		0.0490	0.200	1	04/21/2015 12:40	WG783354

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic	11.8		0.250	2.00	1	04/28/2015 14:49	WG783159
Arsenic,Dissolved	3.76		0.250	2.00	1	04/29/2015 01:50	WG783447
Barium	122		0.360	5.00	1	04/28/2015 14:49	WG783159
Barium,Dissolved	43.9		0.360	5.00	1	04/29/2015 01:50	WG783447
Calcium	474000		46.0	1000	1	04/28/2015 14:49	WG783159
Chromium	18.2		0.540	2.00	1	04/28/2015 14:49	WG783159
Chromium,Dissolved	1.25	J	0.540	2.00	1	04/29/2015 01:50	WG783447
Iron	12300		15.0	100	1	04/28/2015 14:49	WG783159
Iron,Dissolved	337		15.0	100	1	04/29/2015 01:50	WG783447
Lead	19.0		0.240	2.00	1	04/28/2015 14:49	WG783159
Lead,Dissolved	1.43	J	0.240	2.00	1	04/29/2015 01:50	WG783447
Manganese	399		0.250	5.00	1	04/28/2015 14:49	WG783159
Manganese,Dissolved	46.2		0.250	5.00	1	04/29/2015 01:50	WG783447
Nickel	14.4		0.350	2.00	1	04/28/2015 14:49	WG783159
Nickel,Dissolved	1.36	J	0.350	2.00	1	04/29/2015 01:50	WG783447
Potassium	6650		37.0	1000	1	04/28/2015 14:49	WG783159
Selenium	11.0		0.380	2.00	1	04/28/2015 14:49	WG783159
Selenium,Dissolved	11.7		0.380	2.00	1	04/29/2015 01:50	WG783447
Sodium	148000		110	1000	1	04/28/2015 14:49	WG783159
Vanadium	42.6		0.180	5.00	1	04/28/2015 14:49	WG783159
Vanadium,Dissolved	17.3		0.180	5.00	1	04/29/2015 01:50	WG783447



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		10.0	50.0	1	04/24/2015 07:10	WG783751
Benzene	U		0.330	1.00	1	04/30/2015 20:39	WG785836
Bromodichloromethane	U		0.380	1.00	1	04/24/2015 07:10	WG783751
Bromoform	U		0.470	1.00	1	04/24/2015 07:10	WG783751
Bromomethane	U		0.870	5.00	1	04/24/2015 07:10	WG783751
n-Butylbenzene	U		0.360	1.00	1	04/24/2015 07:10	WG783751
sec-Butylbenzene	U		0.360	1.00	1	04/24/2015 07:10	WG783751
Carbon disulfide	U		0.280	1.00	1	04/24/2015 07:10	WG783751
Carbon tetrachloride	U		0.380	1.00	1	04/24/2015 07:10	WG783751
Chlorobenzene	U		0.350	1.00	1	04/24/2015 07:10	WG783751
Chlorodibromomethane	U		0.330	1.00	1	04/24/2015 07:10	WG783751
Chloroethane	U		0.450	5.00	1	04/24/2015 07:10	WG783751
Chloroform	U		0.320	5.00	1	04/24/2015 07:10	WG783751
Chloromethane	U		0.280	2.50	1	04/24/2015 07:10	WG783751
1,2-Dibromoethane	U		0.380	1.00	1	04/24/2015 07:10	WG783751
1,1-Dichloroethane	U		0.260	1.00	1	04/24/2015 07:10	WG783751
1,2-Dichloroethane	U		0.360	1.00	1	04/24/2015 07:10	WG783751
1,1-Dichloroethene	U		0.400	1.00	1	04/24/2015 07:10	WG783751
cis-1,2-Dichloroethene	U		0.260	1.00	1	04/24/2015 07:10	WG783751
trans-1,2-Dichloroethene	U		0.400	1.00	1	04/24/2015 07:10	WG783751
1,2-Dichloropropane	U		0.310	1.00	1	04/24/2015 07:10	WG783751
cis-1,3-Dichloropropene	U		0.420	1.00	1	04/24/2015 07:10	WG783751
trans-1,3-Dichloropropene	U		0.420	1.00	1	04/24/2015 07:10	WG783751
Ethylbenzene	U		0.380	1.00	1	04/30/2015 20:39	WG785836
Isopropylbenzene	U		0.330	1.00	1	04/24/2015 07:10	WG783751
p-Isopropyltoluene	U		0.350	1.00	1	04/24/2015 07:10	WG783751
2-Butanone (MEK)	U		3.90	10.0	1	04/24/2015 07:10	WG783751
2-Hexanone	U		3.80	10.0	1	04/24/2015 07:10	WG783751
Methylene Chloride	U		1.00	5.00	1	04/24/2015 07:10	WG783751
4-Methyl-2-pentanone (MIBK)	U		2.10	10.0	1	04/24/2015 07:10	WG783751
Methyl tert-butyl ether	U		0.370	1.00	1	04/24/2015 07:10	WG783751
Naphthalene	3.17	U	1.00	5.00	1	04/24/2015 07:10	WG783751
n-Propylbenzene	0.373	U	0.350	1.00	1	04/24/2015 07:10	WG783751
Styrene	U		0.310	1.00	1	04/24/2015 07:10	WG783751
1,1,1,2-Tetrachloroethane	U		0.380	1.00	1	04/24/2015 07:10	WG783751
1,1,2,2-Tetrachloroethane	U		0.130	1.00	1	04/24/2015 07:10	WG783751
Tetrachloroethene	U		0.370	1.00	1	04/24/2015 07:10	WG783751
Toluene	U		0.780	5.00	1	04/24/2015 07:10	WG783751
1,1,1-Trichloroethane	U		0.319	1.00	1	04/24/2015 07:10	WG783751
1,1,2-Trichloroethane	U		0.380	1.00	1	04/24/2015 07:10	WG783751
Trichloroethene	U		0.400	1.00	1	04/24/2015 07:10	WG783751
1,2,4-Trimethylbenzene	3.02		0.370	1.00	1	04/24/2015 07:10	WG783751
1,3,5-Trimethylbenzene	0.456	U	0.390	1.00	1	04/24/2015 07:10	WG783751
Vinyl chloride	U		0.260	1.00	1	04/24/2015 07:10	WG783751
o-Xylene	U		0.340	1.00	1	04/24/2015 07:10	WG783751
m&p-Xylene	2.54		0.720	1.00	1	04/24/2015 07:10	WG783751
Xylenes, Total	2.54	U	1.10	3.00	1	04/24/2015 07:10	WG783751
(S) Toluene-d8	101			88.5-111		04/24/2015 07:10	WG783751
(S) Dibromofluoromethane	93.6			78.3-121		04/24/2015 07:10	WG783751
(S) 4-Bromofluorobenzene	102			71.0-126		04/24/2015 07:10	WG783751

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	63.0	U	25.0	100	1	04/23/2015 14:22	WG783644
(S) o-Terphenyl	102			50.0-150		04/23/2015 14:22	WG783644



Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Dissolved Solids	6060000	H	2800	10000	1	04/24/2015 16:35	WG784001

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Nitrate-Nitrite	1380		20.0	100	1	05/01/2015 03:13	WG785031

Wet Chemistry by Method 9056MOD

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	993000		5200	100000	100	05/01/2015 02:07	WG785856
Fluoride	2130		9.90	100	1	05/06/2015 14:46	WG787032
Sulfate	3030000		7700	500000	100	05/01/2015 02:07	WG785856

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic	2.88		0.250	2.00	1	04/28/2015 14:51	WG783159
Arsenic,Dissolved	3.06		0.250	2.00	1	04/29/2015 01:52	WG783447
Barium	15.9		0.360	5.00	1	04/28/2015 14:51	WG783159
Barium,Dissolved	7.60		0.360	5.00	1	04/29/2015 01:52	WG783447
Calcium	448000		46.0	1000	1	04/28/2015 14:51	WG783159
Chromium	1.09	J	0.540	2.00	1	04/28/2015 14:51	WG783159
Chromium,Dissolved	U		0.540	2.00	1	04/29/2015 01:52	WG783447
Iron	437		15.0	100	1	04/28/2015 14:51	WG783159
Iron,Dissolved	U		15.0	100	1	04/29/2015 01:52	WG783447
Lead	0.415	J	0.240	2.00	1	04/28/2015 14:51	WG783159
Lead,Dissolved	U		0.240	2.00	1	04/29/2015 01:52	WG783447
Manganese	3.18	J	0.250	5.00	1	04/28/2015 14:51	WG783159
Manganese,Dissolved	0.511	J	0.250	5.00	1	04/29/2015 01:52	WG783447
Potassium	484	J	37.0	1000	1	04/28/2015 14:51	WG783159
Selenium	12.5		0.380	2.00	1	04/28/2015 14:51	WG783159
Selenium,Dissolved	12.8		0.380	2.00	1	04/29/2015 01:52	WG783447
Sodium	209000		110	1000	1	04/28/2015 14:51	WG783159

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		10.0	50.0	1	04/24/2015 07:32	WG783751
Benzene	U		0.330	1.00	1	04/24/2015 07:32	WG783751
Bromodichloromethane	U		0.380	1.00	1	04/24/2015 07:32	WG783751
Bromoform	U		0.470	1.00	1	04/24/2015 07:32	WG783751
Bromomethane	U		0.870	5.00	1	04/24/2015 07:32	WG783751
n-Butylbenzene	U		0.360	1.00	1	04/24/2015 07:32	WG783751
sec-Butylbenzene	U		0.360	1.00	1	04/24/2015 07:32	WG783751
Carbon disulfide	U		0.280	1.00	1	04/24/2015 07:32	WG783751
Carbon tetrachloride	U		0.380	1.00	1	04/24/2015 07:32	WG783751
Chlorobenzene	U		0.350	1.00	1	04/24/2015 07:32	WG783751
Chlorodibromomethane	U		0.330	1.00	1	04/24/2015 07:32	WG783751
Chloroethane	U		0.450	5.00	1	04/24/2015 07:32	WG783751
Chloroform	U		0.320	5.00	1	04/24/2015 07:32	WG783751
Chloromethane	U		0.280	2.50	1	04/24/2015 07:32	WG783751
1,2-Dibromoethane	U		0.380	1.00	1	04/24/2015 07:32	WG783751
1,1-Dichloroethane	U		0.260	1.00	1	04/24/2015 07:32	WG783751



Collected date/time: 04/16/15 15:55

L760276

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.360	1.00	1	04/24/2015 07:32	WG783751
1,1-Dichloroethene	U		0.400	1.00	1	04/24/2015 07:32	WG783751
cis-1,2-Dichloroethene	U		0.260	1.00	1	04/24/2015 07:32	WG783751
trans-1,2-Dichloroethene	U		0.400	1.00	1	04/24/2015 07:32	WG783751
1,2-Dichloropropane	U		0.310	1.00	1	04/24/2015 07:32	WG783751
cis-1,3-Dichloropropene	U		0.420	1.00	1	04/24/2015 07:32	WG783751
trans-1,3-Dichloropropene	U		0.420	1.00	1	04/24/2015 07:32	WG783751
Ethylbenzene	U		0.380	1.00	1	04/30/2015 20:59	WG785836
Isopropylbenzene	U		0.330	1.00	1	04/24/2015 07:32	WG783751
p-Isopropyltoluene	U		0.350	1.00	1	04/24/2015 07:32	WG783751
2-Butanone (MEK)	U		3.90	10.0	1	04/24/2015 07:32	WG783751
2-Hexanone	U		3.80	10.0	1	04/24/2015 07:32	WG783751
Methylene Chloride	U		1.00	5.00	1	04/24/2015 07:32	WG783751
4-Methyl-2-pentanone (MIBK)	U		2.10	10.0	1	04/24/2015 07:32	WG783751
Methyl tert-butyl ether	U		0.370	1.00	1	04/24/2015 07:32	WG783751
Naphthalene	U		1.00	5.00	1	04/24/2015 07:32	WG783751
n-Propylbenzene	U		0.350	1.00	1	04/24/2015 07:32	WG783751
Styrene	U		0.310	1.00	1	04/24/2015 07:32	WG783751
1,1,1,2-Tetrachloroethane	U		0.380	1.00	1	04/24/2015 07:32	WG783751
1,1,2,2-Tetrachloroethane	U		0.130	1.00	1	04/24/2015 07:32	WG783751
Tetrachloroethene	U		0.370	1.00	1	04/24/2015 07:32	WG783751
Toluene	U		0.780	5.00	1	04/24/2015 07:32	WG783751
1,1,1-Trichloroethane	U		0.319	1.00	1	04/24/2015 07:32	WG783751
1,1,2-Trichloroethane	U		0.380	1.00	1	04/24/2015 07:32	WG783751
Trichloroethene	U		0.400	1.00	1	04/24/2015 07:32	WG783751
1,2,4-Trimethylbenzene	0.804	J	0.370	1.00	1	04/24/2015 07:32	WG783751
1,3,5-Trimethylbenzene	U		0.390	1.00	1	04/24/2015 07:32	WG783751
Vinyl chloride	U		0.260	1.00	1	04/24/2015 07:32	WG783751
o-Xylene	U		0.340	1.00	1	04/24/2015 07:32	WG783751
m&p-Xylene	U		0.720	1.00	1	04/24/2015 07:32	WG783751
Xylenes, Total	U		1.10	3.00	1	04/24/2015 07:32	WG783751
(S) Toluene-d8	101			88.5-111		04/24/2015 07:32	WG783751
(S) Dibromofluoromethane	93.9			78.3-121		04/24/2015 07:32	WG783751
(S) 4-Bromofluorobenzene	103			71.0-126		04/24/2015 07:32	WG783751

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

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	38.7	J	25.0	100	1	04/23/2015 14:40	WG783644
(S) o-Terphenyl	102			50.0-150		04/23/2015 14:40	WG783644



Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Dissolved Solids	1980000		2800	10000	1	04/27/2015 09:26	WG784340

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Nitrate-Nitrite	U		20.0	100	1	05/01/2015 03:14	WG785031

Wet Chemistry by Method 9056MOD

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	191000		1000	20000	20	04/29/2015 17:43	WG784968
Fluoride	607		9.90	100	1	04/29/2015 10:27	WG784968
Sulfate	877000		1500	100000	20	04/29/2015 17:43	WG784968

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic	4.18		0.250	2.00	1	04/28/2015 14:54	WG783159
Arsenic,Dissolved	4.13		0.250	2.00	1	04/29/2015 01:54	WG783447
Barium	51.8		0.360	5.00	1	04/28/2015 14:54	WG783159
Barium,Dissolved	25.4		0.360	5.00	1	04/29/2015 01:54	WG783447
Calcium	259000		46.0	1000	1	04/28/2015 14:54	WG783159
Chromium	2.21		0.540	2.00	1	04/28/2015 14:54	WG783159
Chromium,Dissolved	U		0.540	2.00	1	04/29/2015 01:54	WG783447
Iron	1010		15.0	100	1	04/28/2015 14:54	WG783159
Iron,Dissolved	350		15.0	100	1	04/29/2015 01:54	WG783447
Lead	0.872	J	0.240	2.00	1	04/28/2015 14:54	WG783159
Lead,Dissolved	U		0.240	2.00	1	04/29/2015 01:54	WG783447
Manganese	857		0.250	5.00	1	04/28/2015 14:54	WG783159
Manganese,Dissolved	946		0.250	5.00	1	04/29/2015 01:54	WG783447
Potassium	622	J	37.0	1000	1	04/28/2015 14:54	WG783159
Selenium	U		0.380	2.00	1	04/28/2015 14:54	WG783159
Selenium,Dissolved	0.388	J	0.380	2.00	1	04/29/2015 01:54	WG783447
Sodium	132000		110	1000	1	04/28/2015 14:54	WG783159

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TPH (GC/FID) Low Fraction	U		31.0	100	1	04/21/2015 15:32	WG783232
(S) a,a,a-Trifluorotoluene(FID) 92.3				62.0-128		04/21/2015 15:32	WG783232

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		10.0	50.0	1	04/24/2015 07:55	WG783751
Benzene	0.402	J	0.330	1.00	1	04/24/2015 07:55	WG783751
Bromodichloromethane	U		0.380	1.00	1	04/24/2015 07:55	WG783751
Bromoform	U		0.470	1.00	1	04/24/2015 07:55	WG783751
Bromomethane	U		0.870	5.00	1	04/24/2015 07:55	WG783751
n-Butylbenzene	U		0.360	1.00	1	04/24/2015 07:55	WG783751
sec-Butylbenzene	U		0.360	1.00	1	04/24/2015 07:55	WG783751
Carbon disulfide	U		0.280	1.00	1	04/24/2015 07:55	WG783751
Carbon tetrachloride	U		0.380	1.00	1	04/24/2015 07:55	WG783751



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch	
Chlorobenzene	U		0.350	1.00	1	04/24/2015 07:55	WG783751	¹ Cp
Chlorodibromomethane	U		0.330	1.00	1	04/24/2015 07:55	WG783751	² Tc
Chloroethane	U		0.450	5.00	1	04/24/2015 07:55	WG783751	
Chloroform	U		0.320	5.00	1	04/24/2015 07:55	WG783751	³ Ss
Chloromethane	U		0.280	2.50	1	04/24/2015 07:55	WG783751	
1,2-Dibromoethane	U		0.380	1.00	1	04/24/2015 07:55	WG783751	⁴ Cn
1,1-Dichloroethane	U		0.260	1.00	1	04/24/2015 07:55	WG783751	
1,2-Dichloroethane	0.383	U	0.360	1.00	1	04/24/2015 07:55	WG783751	⁵ Sr
1,1-Dichloroethene	U		0.400	1.00	1	04/24/2015 07:55	WG783751	
cis-1,2-Dichloroethene	U		0.260	1.00	1	04/24/2015 07:55	WG783751	
trans-1,2-Dichloroethene	U		0.400	1.00	1	04/24/2015 07:55	WG783751	⁶ Qc
1,2-Dichloropropane	U		0.310	1.00	1	04/24/2015 07:55	WG783751	
cis-1,3-Dichloropropene	U		0.420	1.00	1	04/24/2015 07:55	WG783751	⁷ Gl
trans-1,3-Dichloropropene	U		0.420	1.00	1	04/24/2015 07:55	WG783751	
Ethylbenzene	U		0.380	1.00	1	04/24/2015 07:55	WG783751	⁸ Al
Isopropylbenzene	U		0.330	1.00	1	04/24/2015 07:55	WG783751	
p-Isopropyltoluene	U		0.350	1.00	1	04/24/2015 07:55	WG783751	⁹ Sc
2-Butanone (MEK)	U		3.90	10.0	1	04/24/2015 07:55	WG783751	
2-Hexanone	U		3.80	10.0	1	04/24/2015 07:55	WG783751	
Methylene Chloride	U		1.00	5.00	1	04/24/2015 07:55	WG783751	
4-Methyl-2-pentanone (MIBK)	U		2.10	10.0	1	04/24/2015 07:55	WG783751	
Methyl tert-butyl ether	15.8		0.370	1.00	1	04/24/2015 07:55	WG783751	
Naphthalene	U		1.00	5.00	1	04/24/2015 07:55	WG783751	
n-Propylbenzene	U		0.350	1.00	1	04/24/2015 07:55	WG783751	
Styrene	U		0.310	1.00	1	04/24/2015 07:55	WG783751	
1,1,1,2-Tetrachloroethane	U		0.380	1.00	1	04/24/2015 07:55	WG783751	
1,1,2,2-Tetrachloroethane	U		0.130	1.00	1	04/24/2015 07:55	WG783751	
Tetrachloroethene	U		0.370	1.00	1	04/24/2015 07:55	WG783751	
Toluene	U		0.780	5.00	1	04/24/2015 07:55	WG783751	
1,1,1-Trichloroethane	U		0.319	1.00	1	04/24/2015 07:55	WG783751	
1,1,2-Trichloroethane	U		0.380	1.00	1	04/24/2015 07:55	WG783751	
Trichloroethene	U		0.400	1.00	1	04/24/2015 07:55	WG783751	
1,2,4-Trimethylbenzene	0.538	U	0.370	1.00	1	04/24/2015 07:55	WG783751	
1,3,5-Trimethylbenzene	U		0.390	1.00	1	04/24/2015 07:55	WG783751	
Vinyl chloride	U		0.260	1.00	1	04/24/2015 07:55	WG783751	
o-Xylene	U		0.340	1.00	1	04/24/2015 07:55	WG783751	
m&p-Xylene	U		0.720	1.00	1	04/24/2015 07:55	WG783751	
Xylenes, Total	U		1.10	3.00	1	04/24/2015 07:55	WG783751	
(S) Toluene-d8	101			88.5-111		04/24/2015 07:55	WG783751	
(S) Dibromofluoromethane	94.1			78.3-121		04/24/2015 07:55	WG783751	
(S) 4-Bromofluorobenzene	102			71.0-126		04/24/2015 07:55	WG783751	

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	241	B	25.0	100	1	04/23/2015 16:07	WG783644
(S) o-Terphenyl	104			50.0-150		04/23/2015 16:07	WG783644



Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Dissolved Solids	6400000		2800	10000	1	04/27/2015 08:43	WG784341

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Nitrate-Nitrite	8040		20.0	100	1	05/01/2015 03:15	WG785031

6 Qc

7 Gl

Wet Chemistry by Method 9056MOD

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	752000		5200	100000	100	04/29/2015 17:59	WG784968
Fluoride	1350		9.90	100	1	04/29/2015 10:42	WG784968
Sulfate	3380000		7700	500000	100	04/29/2015 17:59	WG784968

8 Al

9 Sc

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic	5.75		0.250	2.00	1	04/28/2015 14:56	WG783159
Arsenic,Dissolved	5.71		0.250	2.00	1	04/29/2015 00:56	WG783447
Barium	10.7		0.360	5.00	1	04/28/2015 14:56	WG783159
Barium,Dissolved	9.41		0.360	5.00	1	04/29/2015 00:56	WG783447
Calcium	710000		230	5000	5	04/28/2015 15:55	WG783159
Chromium	1.48	J	0.540	2.00	1	04/28/2015 14:56	WG783159
Chromium,Dissolved	1.47	J	0.540	2.00	1	04/29/2015 00:56	WG783447
Iron	131		15.0	100	1	04/28/2015 14:56	WG783159
Iron,Dissolved	182		15.0	100	1	04/29/2015 00:56	WG783447
Lead	U		0.240	2.00	1	04/28/2015 14:56	WG783159
Lead,Dissolved	U		0.240	2.00	1	04/29/2015 00:56	WG783447
Manganese	7.95		0.250	5.00	1	04/28/2015 14:56	WG783159
Manganese,Dissolved	5.09		0.250	5.00	1	04/29/2015 00:56	WG783447
Potassium	1460		37.0	1000	1	04/28/2015 14:56	WG783159
Selenium	12.9		0.380	2.00	1	04/28/2015 14:56	WG783159
Selenium,Dissolved	13.4		0.380	2.00	1	04/29/2015 00:56	WG783447
Sodium	307000		110	1000	1	04/28/2015 14:56	WG783159

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TPH (GC/FID) Low Fraction	U		31.0	100	1	04/21/2015 15:54	WG783232
(S) a,a,a-Trifluorotoluene(FID) 92.1				62.0-128		04/21/2015 15:54	WG783232

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		10.0	50.0	1	04/24/2015 08:17	WG783751
Benzene	U		0.330	1.00	1	04/24/2015 08:17	WG783751
Bromodichloromethane	U		0.380	1.00	1	04/24/2015 08:17	WG783751
Bromoform	U		0.470	1.00	1	04/24/2015 08:17	WG783751
Bromomethane	U		0.870	5.00	1	04/24/2015 08:17	WG783751
n-Butylbenzene	U		0.360	1.00	1	04/24/2015 08:17	WG783751
sec-Butylbenzene	U		0.360	1.00	1	04/24/2015 08:17	WG783751
Carbon disulfide	U		0.280	1.00	1	04/24/2015 08:17	WG783751
Carbon tetrachloride	U		0.380	1.00	1	04/24/2015 08:17	WG783751



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chlorobenzene	U		0.350	1.00	1	04/24/2015 08:17	WG783751
Chlorodibromomethane	U		0.330	1.00	1	04/24/2015 08:17	WG783751
Chloroethane	U		0.450	5.00	1	04/24/2015 08:17	WG783751
Chloroform	U		0.320	5.00	1	04/24/2015 08:17	WG783751
Chloromethane	U		0.280	2.50	1	04/24/2015 08:17	WG783751
1,2-Dibromoethane	U		0.380	1.00	1	04/24/2015 08:17	WG783751
1,1-Dichloroethane	U		0.260	1.00	1	04/24/2015 08:17	WG783751
1,2-Dichloroethane	U		0.360	1.00	1	04/24/2015 08:17	WG783751
1,1-Dichloroethene	U		0.400	1.00	1	04/24/2015 08:17	WG783751
cis-1,2-Dichloroethene	U		0.260	1.00	1	04/24/2015 08:17	WG783751
trans-1,2-Dichloroethene	U		0.400	1.00	1	04/24/2015 08:17	WG783751
1,2-Dichloropropane	U		0.310	1.00	1	04/24/2015 08:17	WG783751
cis-1,3-Dichloropropene	U		0.420	1.00	1	04/24/2015 08:17	WG783751
trans-1,3-Dichloropropene	U		0.420	1.00	1	04/24/2015 08:17	WG783751
Ethylbenzene	U		0.380	1.00	1	04/24/2015 08:17	WG783751
Isopropylbenzene	U		0.330	1.00	1	04/24/2015 08:17	WG783751
p-Isopropyltoluene	U		0.350	1.00	1	04/24/2015 08:17	WG783751
2-Butanone (MEK)	U		3.90	10.0	1	04/24/2015 08:17	WG783751
2-Hexanone	U		3.80	10.0	1	04/24/2015 08:17	WG783751
Methylene Chloride	U		1.00	5.00	1	04/24/2015 08:17	WG783751
4-Methyl-2-pentanone (MIBK)	U		2.10	10.0	1	04/24/2015 08:17	WG783751
Methyl tert-butyl ether	U		0.370	1.00	1	04/24/2015 08:17	WG783751
Naphthalene	U		1.00	5.00	1	04/24/2015 08:17	WG783751
n-Propylbenzene	U		0.350	1.00	1	04/24/2015 08:17	WG783751
Styrene	U		0.310	1.00	1	04/24/2015 08:17	WG783751
1,1,1,2-Tetrachloroethane	U		0.380	1.00	1	04/24/2015 08:17	WG783751
1,1,2,2-Tetrachloroethane	U		0.130	1.00	1	04/24/2015 08:17	WG783751
Tetrachloroethene	U		0.370	1.00	1	04/24/2015 08:17	WG783751
Toluene	U		0.780	5.00	1	04/24/2015 08:17	WG783751
1,1,1-Trichloroethane	U		0.319	1.00	1	04/24/2015 08:17	WG783751
1,1,2-Trichloroethane	U		0.380	1.00	1	04/24/2015 08:17	WG783751
Trichloroethene	U		0.400	1.00	1	04/24/2015 08:17	WG783751
1,2,4-Trimethylbenzene	U		0.370	1.00	1	04/24/2015 08:17	WG783751
1,3,5-Trimethylbenzene	U		0.390	1.00	1	04/24/2015 08:17	WG783751
Vinyl chloride	U		0.260	1.00	1	04/24/2015 08:17	WG783751
o-Xylene	U		0.340	1.00	1	04/24/2015 08:17	WG783751
m&p-Xylene	U		0.720	1.00	1	04/24/2015 08:17	WG783751
Xylenes, Total	U		1.10	3.00	1	04/24/2015 08:17	WG783751
(S) Toluene-d8	102			88.5-111		04/24/2015 08:17	WG783751
(S) Dibromofluoromethane	92.6			78.3-121		04/24/2015 08:17	WG783751
(S) 4-Bromofluorobenzene	102			71.0-126		04/24/2015 08:17	WG783751

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

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	88.6	J	25.0	100	1	04/23/2015 16:25	WG783644
(S) o-Terphenyl	101			50.0-150		04/23/2015 16:25	WG783644



Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Dissolved Solids	19000		2800	10000	1	04/27/2015 08:43	WG784341

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Nitrate-Nitrite	U		20.0	100	1	05/01/2015 03:16	WG785031

Wet Chemistry by Method 9056MOD

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	U	*	52.0	1000	1	04/29/2015 10:57	WG784968
Fluoride	U		9.90	100	1	04/29/2015 10:57	WG784968
Sulfate	U		77.0	5000	1	04/29/2015 10:57	WG784968

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic	U		0.250	2.00	1	04/28/2015 14:58	WG783159
Arsenic,Dissolved	U		0.250	2.00	1	04/28/2015 19:30	WG784095
Barium	U		0.360	5.00	1	04/28/2015 14:58	WG783159
Barium,Dissolved	U		0.360	5.00	1	04/28/2015 19:30	WG784095
Calcium	U		46.0	1000	1	04/28/2015 14:58	WG783159
Chromium	U		0.540	2.00	1	04/28/2015 14:58	WG783159
Chromium,Dissolved	U		0.540	2.00	1	04/28/2015 19:30	WG784095
Iron	U		15.0	100	1	04/28/2015 14:58	WG783159
Iron,Dissolved	U		15.0	100	1	04/28/2015 19:30	WG784095
Lead	U		0.240	2.00	1	04/28/2015 14:58	WG783159
Lead,Dissolved	U		0.240	2.00	1	04/28/2015 19:30	WG784095
Manganese	U		0.250	5.00	1	04/28/2015 14:58	WG783159
Manganese,Dissolved	U		0.250	5.00	1	04/28/2015 19:30	WG784095
Potassium	U		37.0	1000	1	04/28/2015 14:58	WG783159
Selenium	U		0.380	2.00	1	04/28/2015 14:58	WG783159
Selenium,Dissolved	U		0.380	2.00	1	04/28/2015 19:30	WG784095
Sodium	238	J	110	1000	1	04/28/2015 14:58	WG783159

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TPH (GC/FID) Low Fraction	U		31.0	100	1	04/21/2015 16:19	WG783232
(S) a,a,a-Trifluorotoluene(FID) 92.0				62.0-128		04/21/2015 16:19	WG783232

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		10.0	50.0	1	04/24/2015 08:39	WG783751
Benzene	U		0.330	1.00	1	04/24/2015 08:39	WG783751
Bromodichloromethane	U		0.380	1.00	1	04/24/2015 08:39	WG783751
Bromoform	U		0.470	1.00	1	04/24/2015 08:39	WG783751
Bromomethane	U		0.870	5.00	1	04/24/2015 08:39	WG783751
n-Butylbenzene	U		0.360	1.00	1	04/24/2015 08:39	WG783751
sec-Butylbenzene	U		0.360	1.00	1	04/24/2015 08:39	WG783751
Carbon disulfide	U		0.280	1.00	1	04/24/2015 08:39	WG783751
Carbon tetrachloride	U		0.380	1.00	1	04/24/2015 08:39	WG783751



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chlorobenzene	U		0.350	1.00	1	04/24/2015 08:39	WG783751
Chlorodibromomethane	U		0.330	1.00	1	04/24/2015 08:39	WG783751
Chloroethane	U		0.450	5.00	1	04/24/2015 08:39	WG783751
Chloroform	0.945	J	0.320	5.00	1	04/24/2015 08:39	WG783751
Chloromethane	U		0.280	2.50	1	04/24/2015 08:39	WG783751
1,2-Dibromoethane	U		0.380	1.00	1	04/24/2015 08:39	WG783751
1,1-Dichloroethane	U		0.260	1.00	1	04/24/2015 08:39	WG783751
1,2-Dichloroethane	U		0.360	1.00	1	04/24/2015 08:39	WG783751
1,1-Dichloroethene	U		0.400	1.00	1	04/24/2015 08:39	WG783751
cis-1,2-Dichloroethene	U		0.260	1.00	1	04/24/2015 08:39	WG783751
trans-1,2-Dichloroethene	U		0.400	1.00	1	04/24/2015 08:39	WG783751
1,2-Dichloropropane	U		0.310	1.00	1	04/24/2015 08:39	WG783751
cis-1,3-Dichloropropene	U		0.420	1.00	1	04/24/2015 08:39	WG783751
trans-1,3-Dichloropropene	U		0.420	1.00	1	04/24/2015 08:39	WG783751
Ethylbenzene	U		0.380	1.00	1	04/24/2015 08:39	WG783751
Isopropylbenzene	U		0.330	1.00	1	04/24/2015 08:39	WG783751
p-Isopropyltoluene	U		0.350	1.00	1	04/24/2015 08:39	WG783751
2-Butanone (MEK)	U		3.90	10.0	1	04/24/2015 08:39	WG783751
2-Hexanone	U		3.80	10.0	1	04/24/2015 08:39	WG783751
Methylene Chloride	U		1.00	5.00	1	04/24/2015 08:39	WG783751
4-Methyl-2-pentanone (MIBK)	U		2.10	10.0	1	04/24/2015 08:39	WG783751
Methyl tert-butyl ether	U		0.370	1.00	1	04/24/2015 08:39	WG783751
Naphthalene	U		1.00	5.00	1	04/24/2015 08:39	WG783751
n-Propylbenzene	U		0.350	1.00	1	04/24/2015 08:39	WG783751
Styrene	U		0.310	1.00	1	04/24/2015 08:39	WG783751
1,1,1,2-Tetrachloroethane	U		0.380	1.00	1	04/24/2015 08:39	WG783751
1,1,2,2-Tetrachloroethane	U		0.130	1.00	1	04/24/2015 08:39	WG783751
Tetrachloroethene	U		0.370	1.00	1	04/24/2015 08:39	WG783751
Toluene	U		0.780	5.00	1	04/24/2015 08:39	WG783751
1,1,1-Trichloroethane	U		0.319	1.00	1	04/24/2015 08:39	WG783751
1,1,2-Trichloroethane	U		0.380	1.00	1	04/24/2015 08:39	WG783751
Trichloroethene	U		0.400	1.00	1	04/24/2015 08:39	WG783751
1,2,4-Trimethylbenzene	U		0.370	1.00	1	04/24/2015 08:39	WG783751
1,3,5-Trimethylbenzene	U		0.390	1.00	1	04/24/2015 08:39	WG783751
Vinyl chloride	U		0.260	1.00	1	04/24/2015 08:39	WG783751
o-Xylene	U		0.340	1.00	1	04/24/2015 08:39	WG783751
m&p-Xylene	U		0.720	1.00	1	04/24/2015 08:39	WG783751
Xylenes, Total	U		1.10	3.00	1	04/24/2015 08:39	WG783751
(S) Toluene-d8	101			88.5-111		04/24/2015 08:39	WG783751
(S) Dibromofluoromethane	94.0			78.3-121		04/24/2015 08:39	WG783751
(S) 4-Bromofluorobenzene	103			71.0-126		04/24/2015 08:39	WG783751

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	U		25.0	100	1	04/23/2015 16:42	WG783644
(S) o-Terphenyl	103			50.0-150		04/23/2015 16:42	WG783644



Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Dissolved Solids	U		2800	10000	1	04/27/2015 08:37	WG784341

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Nitrate-Nitrite	29.9	* J	20.0	100	1	05/04/2015 10:52	WG786250

Wet Chemistry by Method 9056MOD

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	U		52.0	1000	1	04/29/2015 11:28	WG784968
Fluoride	U		9.90	100	1	04/29/2015 11:28	WG784968
Sulfate	2680	J	77.0	5000	1	04/29/2015 11:28	WG784968

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic	U		0.250	2.00	1	04/28/2015 15:06	WG783159
Arsenic,Dissolved	U		0.250	2.00	1	04/28/2015 20:04	WG784095
Barium	U		0.360	5.00	1	04/28/2015 15:06	WG783159
Barium,Dissolved	U		0.360	5.00	1	04/28/2015 20:04	WG784095
Calcium	U		46.0	1000	1	04/28/2015 15:06	WG783159
Chromium	U		0.540	2.00	1	04/28/2015 15:06	WG783159
Chromium,Dissolved	U		0.540	2.00	1	04/28/2015 20:04	WG784095
Iron	U		15.0	100	1	04/28/2015 15:06	WG783159
Iron,Dissolved	U		15.0	100	1	04/28/2015 20:04	WG784095
Lead	U		0.240	2.00	1	04/28/2015 15:06	WG783159
Lead,Dissolved	U		0.240	2.00	1	04/28/2015 20:04	WG784095
Manganese	0.269	J	0.250	5.00	1	04/28/2015 15:06	WG783159
Manganese,Dissolved	U		0.250	5.00	1	04/28/2015 20:04	WG784095
Potassium	U		37.0	1000	1	04/28/2015 15:06	WG783159
Selenium	U		0.380	2.00	1	04/28/2015 15:06	WG783159
Selenium,Dissolved	U		0.380	2.00	1	04/28/2015 20:04	WG784095
Sodium	U		110	1000	1	04/28/2015 15:06	WG783159

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TPH (GC/FID) Low Fraction	U		31.0	100	1	04/21/2015 16:58	WG783232
(S) a,a,a-Trifluorotoluene(FID) 92.0				62.0-128		04/21/2015 16:58	WG783232

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		10.0	50.0	1	04/24/2015 09:01	WG783751
Benzene	U		0.330	1.00	1	04/24/2015 09:01	WG783751
Bromodichloromethane	U		0.380	1.00	1	04/24/2015 09:01	WG783751
Bromoform	U		0.470	1.00	1	04/24/2015 09:01	WG783751
Bromomethane	U		0.870	5.00	1	04/24/2015 09:01	WG783751
n-Butylbenzene	U		0.360	1.00	1	04/24/2015 09:01	WG783751
sec-Butylbenzene	U		0.360	1.00	1	04/24/2015 09:01	WG783751
Carbon disulfide	U		0.280	1.00	1	04/24/2015 09:01	WG783751
Carbon tetrachloride	U		0.380	1.00	1	04/24/2015 09:01	WG783751



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chlorobenzene	U		0.350	1.00	1	04/24/2015 09:01	WG783751
Chlorodibromomethane	U		0.330	1.00	1	04/24/2015 09:01	WG783751
Chloroethane	U		0.450	5.00	1	04/24/2015 09:01	WG783751
Chloroform	0.846	J	0.320	5.00	1	04/24/2015 09:01	WG783751
Chloromethane	U		0.280	2.50	1	04/24/2015 09:01	WG783751
1,2-Dibromoethane	U		0.380	1.00	1	04/24/2015 09:01	WG783751
1,1-Dichloroethane	U		0.260	1.00	1	04/24/2015 09:01	WG783751
1,2-Dichloroethane	U		0.360	1.00	1	04/24/2015 09:01	WG783751
1,1-Dichloroethene	U		0.400	1.00	1	04/24/2015 09:01	WG783751
cis-1,2-Dichloroethene	U		0.260	1.00	1	04/24/2015 09:01	WG783751
trans-1,2-Dichloroethene	U		0.400	1.00	1	04/24/2015 09:01	WG783751
1,2-Dichloropropane	U		0.310	1.00	1	04/24/2015 09:01	WG783751
cis-1,3-Dichloropropene	U		0.420	1.00	1	04/24/2015 09:01	WG783751
trans-1,3-Dichloropropene	U		0.420	1.00	1	04/24/2015 09:01	WG783751
Ethylbenzene	U		0.380	1.00	1	04/24/2015 09:01	WG783751
Isopropylbenzene	U		0.330	1.00	1	04/24/2015 09:01	WG783751
p-Isopropyltoluene	U		0.350	1.00	1	04/24/2015 09:01	WG783751
2-Butanone (MEK)	U		3.90	10.0	1	04/24/2015 09:01	WG783751
2-Hexanone	U		3.80	10.0	1	04/24/2015 09:01	WG783751
Methylene Chloride	U		1.00	5.00	1	04/24/2015 09:01	WG783751
4-Methyl-2-pentanone (MIBK)	U		2.10	10.0	1	04/24/2015 09:01	WG783751
Methyl tert-butyl ether	U		0.370	1.00	1	04/24/2015 09:01	WG783751
Naphthalene	U		1.00	5.00	1	04/24/2015 09:01	WG783751
n-Propylbenzene	U		0.350	1.00	1	04/24/2015 09:01	WG783751
Styrene	U		0.310	1.00	1	04/24/2015 09:01	WG783751
1,1,1,2-Tetrachloroethane	U		0.380	1.00	1	04/24/2015 09:01	WG783751
1,1,2,2-Tetrachloroethane	U		0.130	1.00	1	04/24/2015 09:01	WG783751
Tetrachloroethene	U		0.370	1.00	1	04/24/2015 09:01	WG783751
Toluene	U		0.780	5.00	1	04/24/2015 09:01	WG783751
1,1,1-Trichloroethane	U		0.319	1.00	1	04/24/2015 09:01	WG783751
1,1,2-Trichloroethane	U		0.380	1.00	1	04/24/2015 09:01	WG783751
Trichloroethene	U		0.400	1.00	1	04/24/2015 09:01	WG783751
1,2,4-Trimethylbenzene	U		0.370	1.00	1	04/24/2015 09:01	WG783751
1,3,5-Trimethylbenzene	U		0.390	1.00	1	04/24/2015 09:01	WG783751
Vinyl chloride	U		0.260	1.00	1	04/24/2015 09:01	WG783751
o-Xylene	U		0.340	1.00	1	04/24/2015 09:01	WG783751
m&p-Xylene	U		0.720	1.00	1	04/24/2015 09:01	WG783751
Xylenes, Total	U		1.10	3.00	1	04/24/2015 09:01	WG783751
(S) Toluene-d8	103			88.5-111		04/24/2015 09:01	WG783751
(S) Dibromofluoromethane	94.0			78.3-121		04/24/2015 09:01	WG783751
(S) 4-Bromofluorobenzene	101			71.0-126		04/24/2015 09:01	WG783751

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	U		25.0	100	1	04/23/2015 17:00	WG783644
(S) o-Terphenyl	101			50.0-150		04/23/2015 17:00	WG783644



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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		10.0	50.0	1	04/30/2015 16:37	WG785836
Benzene	U		0.330	1.00	1	04/30/2015 16:37	WG785836
Bromodichloromethane	U		0.380	1.00	1	04/30/2015 16:37	WG785836
Bromoform	U		0.470	1.00	1	04/30/2015 16:37	WG785836
Bromomethane	U		0.870	5.00	1	04/30/2015 16:37	WG785836
n-Butylbenzene	U		0.360	1.00	1	04/30/2015 16:37	WG785836
sec-Butylbenzene	U		0.360	1.00	1	04/30/2015 16:37	WG785836
Carbon disulfide	U		0.280	1.00	1	04/30/2015 16:37	WG785836
Carbon tetrachloride	U		0.380	1.00	1	04/30/2015 16:37	WG785836
Chlorobenzene	U		0.350	1.00	1	04/30/2015 16:37	WG785836
Chlorodibromomethane	U		0.330	1.00	1	04/30/2015 16:37	WG785836
Chloroethane	U		0.450	5.00	1	04/30/2015 16:37	WG785836
Chloroform	U		0.320	5.00	1	04/30/2015 16:37	WG785836
Chloromethane	U		0.280	2.50	1	04/30/2015 16:37	WG785836
1,2-Dibromoethane	U		0.380	1.00	1	04/30/2015 16:37	WG785836
1,1-Dichloroethane	U		0.260	1.00	1	04/30/2015 16:37	WG785836
1,2-Dichloroethane	U		0.360	1.00	1	04/30/2015 16:37	WG785836
1,1-Dichloroethene	U		0.400	1.00	1	04/30/2015 16:37	WG785836
cis-1,2-Dichloroethene	U		0.260	1.00	1	04/30/2015 16:37	WG785836
trans-1,2-Dichloroethene	U		0.400	1.00	1	04/30/2015 16:37	WG785836
1,2-Dichloropropane	U		0.310	1.00	1	04/30/2015 16:37	WG785836
cis-1,3-Dichloropropene	U		0.420	1.00	1	04/30/2015 16:37	WG785836
trans-1,3-Dichloropropene	U		0.420	1.00	1	04/30/2015 16:37	WG785836
Ethylbenzene	U		0.380	1.00	1	04/30/2015 16:37	WG785836
Isopropylbenzene	U		0.330	1.00	1	04/30/2015 16:37	WG785836
p-Isopropyltoluene	U		0.350	1.00	1	04/30/2015 16:37	WG785836
2-Butanone (MEK)	U		3.90	10.0	1	04/30/2015 16:37	WG785836
2-Hexanone	U		3.80	10.0	1	04/30/2015 16:37	WG785836
Methylene Chloride	U		1.00	5.00	1	04/30/2015 16:37	WG785836
4-Methyl-2-pentanone (MIBK)	U		2.10	10.0	1	04/30/2015 16:37	WG785836
Methyl tert-butyl ether	U		0.370	1.00	1	04/30/2015 16:37	WG785836
Naphthalene	U		1.00	5.00	1	04/30/2015 16:37	WG785836
n-Propylbenzene	U		0.350	1.00	1	04/30/2015 16:37	WG785836
Styrene	U		0.310	1.00	1	04/30/2015 16:37	WG785836
1,1,1,2-Tetrachloroethane	U		0.380	1.00	1	04/30/2015 16:37	WG785836
1,1,2,2-Tetrachloroethane	U		0.130	1.00	1	04/30/2015 16:37	WG785836
Tetrachloroethene	U		0.370	1.00	1	04/30/2015 16:37	WG785836
Toluene	U		0.780	5.00	1	04/30/2015 16:37	WG785836
1,1,1-Trichloroethane	U		0.319	1.00	1	04/30/2015 16:37	WG785836
1,1,2-Trichloroethane	U		0.380	1.00	1	04/30/2015 16:37	WG785836
Trichloroethene	U		0.400	1.00	1	04/30/2015 16:37	WG785836
1,2,4-Trimethylbenzene	U		0.370	1.00	1	04/30/2015 16:37	WG785836
1,3,5-Trimethylbenzene	U		0.390	1.00	1	04/30/2015 16:37	WG785836
Vinyl chloride	U		0.260	1.00	1	04/30/2015 16:37	WG785836
o-Xylene	U		0.340	1.00	1	04/30/2015 16:37	WG785836
m&p-Xylene	U		0.720	1.00	1	04/30/2015 16:37	WG785836
Xylenes, Total	U		1.10	3.00	1	04/30/2015 16:37	WG785836
(S) Toluene-d8	102			88.5-111		04/30/2015 16:37	WG785836
(S) Dibromofluoromethane	93.5			78.3-121		04/30/2015 16:37	WG785836
(S) 4-Bromofluorobenzene	107			71.0-126		04/30/2015 16:37	WG785836

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc



Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Dissolved Solids	3630000	H	2800	10000	1	04/27/2015 09:12	WG784001

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Nitrate-Nitrite	4340	F	20.0	100	1	05/04/2015 10:54	WG786250

Wet Chemistry by Method 9012B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Cyanide	U		1.80	5.00	1	04/30/2015 13:18	WG784739

Wet Chemistry by Method 9056MOD

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	133000		5200	100000	100	04/29/2015 18:14	WG784968
Fluoride	605		9.90	100	1	04/29/2015 11:44	WG784968
Sulfate	2110000		7700	500000	100	04/29/2015 18:14	WG784968

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Mercury	U		0.0490	0.200	1	04/21/2015 12:42	WG783354

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic	1.45	J	0.250	2.00	1	04/28/2015 15:08	WG783159
Arsenic,Dissolved	1.50	J	0.250	2.00	1	04/28/2015 20:06	WG784095
Barium	13.8		0.360	5.00	1	04/28/2015 15:08	WG783159
Barium,Dissolved	12.8		0.360	5.00	1	04/28/2015 20:06	WG784095
Calcium	493000		46.0	1000	1	04/28/2015 15:08	WG783159
Chromium	U		0.540	2.00	1	04/28/2015 15:08	WG783159
Chromium,Dissolved	U		0.540	2.00	1	04/28/2015 20:06	WG784095
Iron	U		15.0	100	1	04/28/2015 15:08	WG783159
Iron,Dissolved	U		15.0	100	1	04/28/2015 20:06	WG784095
Lead	U		0.240	2.00	1	04/28/2015 15:08	WG783159
Lead,Dissolved	U		0.240	2.00	1	04/28/2015 20:06	WG784095
Manganese	0.251	J	0.250	5.00	1	04/28/2015 15:08	WG783159
Manganese,Dissolved	0.359	J	0.250	5.00	1	04/28/2015 20:06	WG784095
Nickel	0.503	J	0.350	2.00	1	04/28/2015 15:08	WG783159
Nickel,Dissolved	0.473	J	0.350	2.00	1	04/28/2015 20:06	WG784095
Potassium	630	J	37.0	1000	1	04/28/2015 15:08	WG783159
Selenium	3.75		0.380	2.00	1	04/28/2015 15:08	WG783159
Selenium,Dissolved	3.74		0.380	2.00	1	04/28/2015 20:06	WG784095
Sodium	123000		110	1000	1	04/28/2015 15:08	WG783159
Vanadium	10.0		0.180	5.00	1	04/28/2015 15:08	WG783159
Vanadium,Dissolved	9.55		0.180	5.00	1	04/28/2015 20:06	WG784095

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TPH (GC/FID) Low Fraction	U		31.0	100	1	04/21/2015 17:20	WG783232



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
(S) a,a,a-Trifluorotoluene(FID)	92.0			62.0-128		04/21/2015 17:20	WG783232

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		10.0	50.0	1	04/24/2015 09:24	WG783751
Benzene	U		0.330	1.00	1	04/24/2015 09:24	WG783751
Bromodichloromethane	U		0.380	1.00	1	04/24/2015 09:24	WG783751
Bromoform	U		0.470	1.00	1	04/24/2015 09:24	WG783751
Bromomethane	U		0.870	5.00	1	04/24/2015 09:24	WG783751
n-Butylbenzene	U		0.360	1.00	1	04/24/2015 09:24	WG783751
sec-Butylbenzene	U		0.360	1.00	1	04/24/2015 09:24	WG783751
Carbon disulfide	U		0.280	1.00	1	04/24/2015 09:24	WG783751
Carbon tetrachloride	U		0.380	1.00	1	04/24/2015 09:24	WG783751
Chlorobenzene	U		0.350	1.00	1	04/24/2015 09:24	WG783751
Chlorodibromomethane	U		0.330	1.00	1	04/24/2015 09:24	WG783751
Chloroethane	U		0.450	5.00	1	04/24/2015 09:24	WG783751
Chloroform	U		0.320	5.00	1	04/24/2015 09:24	WG783751
Chloromethane	U		0.280	2.50	1	04/24/2015 09:24	WG783751
1,2-Dibromoethane	U		0.380	1.00	1	04/24/2015 09:24	WG783751
1,1-Dichloroethane	U		0.260	1.00	1	04/24/2015 09:24	WG783751
1,2-Dichloroethane	U		0.360	1.00	1	04/24/2015 09:24	WG783751
1,1-Dichloroethene	U		0.400	1.00	1	04/24/2015 09:24	WG783751
cis-1,2-Dichloroethene	U		0.260	1.00	1	04/24/2015 09:24	WG783751
trans-1,2-Dichloroethene	U		0.400	1.00	1	04/24/2015 09:24	WG783751
1,2-Dichloropropane	U		0.310	1.00	1	04/24/2015 09:24	WG783751
cis-1,3-Dichloropropene	U		0.420	1.00	1	04/24/2015 09:24	WG783751
trans-1,3-Dichloropropene	U		0.420	1.00	1	04/24/2015 09:24	WG783751
Ethylbenzene	U		0.380	1.00	1	04/24/2015 09:24	WG783751
Isopropylbenzene	U		0.330	1.00	1	04/24/2015 09:24	WG783751
p-Isopropyltoluene	U		0.350	1.00	1	04/24/2015 09:24	WG783751
2-Butanone (MEK)	U		3.90	10.0	1	04/24/2015 09:24	WG783751
2-Hexanone	U		3.80	10.0	1	04/24/2015 09:24	WG783751
Methylene Chloride	U		1.00	5.00	1	04/24/2015 09:24	WG783751
4-Methyl-2-pentanone (MIBK)	U		2.10	10.0	1	04/24/2015 09:24	WG783751
Methyl tert-butyl ether	U		0.370	1.00	1	04/24/2015 09:24	WG783751
Naphthalene	U		1.00	5.00	1	04/24/2015 09:24	WG783751
n-Propylbenzene	U		0.350	1.00	1	04/24/2015 09:24	WG783751
Styrene	U		0.310	1.00	1	04/24/2015 09:24	WG783751
1,1,1,2-Tetrachloroethane	U		0.380	1.00	1	04/24/2015 09:24	WG783751
1,1,2,2-Tetrachloroethane	U		0.130	1.00	1	04/24/2015 09:24	WG783751
Tetrachloroethene	U		0.370	1.00	1	04/24/2015 09:24	WG783751
Toluene	U		0.780	5.00	1	04/24/2015 09:24	WG783751
1,1,1-Trichloroethane	U		0.319	1.00	1	04/24/2015 09:24	WG783751
1,1,2-Trichloroethane	U		0.380	1.00	1	04/24/2015 09:24	WG783751
Trichloroethene	U		0.400	1.00	1	04/24/2015 09:24	WG783751
1,2,4-Trimethylbenzene	U		0.370	1.00	1	04/24/2015 09:24	WG783751
1,3,5-Trimethylbenzene	U		0.390	1.00	1	04/24/2015 09:24	WG783751
Vinyl chloride	U		0.260	1.00	1	04/24/2015 09:24	WG783751
o-Xylene	U		0.340	1.00	1	04/24/2015 09:24	WG783751
m&p-Xylene	U		0.720	1.00	1	04/24/2015 09:24	WG783751
Xylenes, Total	U		1.10	3.00	1	04/24/2015 09:24	WG783751
(S) Toluene-d8	101			88.5-111		04/24/2015 09:24	WG783751
(S) Dibromofluoromethane	93.5			78.3-121		04/24/2015 09:24	WG783751
(S) 4-Bromofluorobenzene	101			71.0-126		04/24/2015 09:24	WG783751

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Collected date/time: 04/16/15 12:00

L760276

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TPH (GC/FID) High Fraction	305	B	25.0	100	1	04/23/2015 17:17	WG783644
(S) o-Terphenyl	105			50.0-150		04/23/2015 17:17	WG783644

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc



Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Dissolved Solids	11000	H	2800	10000	1	04/27/2015 09:18	WG784001

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Nitrate-Nitrite	U		20.0	100	1	05/04/2015 10:58	WG786250

Wet Chemistry by Method 9012B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Cyanide	U		1.80	5.00	1	04/30/2015 13:19	WG784739

Wet Chemistry by Method 9056MOD

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	96.4	J	52.0	1000	1	04/29/2015 11:59	WG784968
Fluoride	U		9.90	100	1	04/29/2015 11:59	WG784968
Sulfate	U		77.0	5000	1	04/29/2015 11:59	WG784968

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Mercury	U		0.0490	0.200	1	04/21/2015 12:45	WG783354

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic	U		0.250	2.00	1	04/28/2015 15:11	WG783159
Arsenic,Dissolved	U		0.250	2.00	1	04/28/2015 20:08	WG784095
Barium	U		0.360	5.00	1	04/28/2015 15:11	WG783159
Barium,Dissolved	U		0.360	5.00	1	04/28/2015 20:08	WG784095
Calcium	U		46.0	1000	1	04/28/2015 15:11	WG783159
Chromium	U		0.540	2.00	1	04/28/2015 15:11	WG783159
Chromium,Dissolved	U		0.540	2.00	1	04/28/2015 20:08	WG784095
Iron	U		15.0	100	1	04/28/2015 15:11	WG783159
Iron,Dissolved	U		15.0	100	1	04/28/2015 20:08	WG784095
Lead	U		0.240	2.00	1	04/28/2015 15:11	WG783159
Lead,Dissolved	U		0.240	2.00	1	04/28/2015 20:08	WG784095
Manganese	U		0.250	5.00	1	04/28/2015 15:11	WG783159
Manganese,Dissolved	0.280	J	0.250	5.00	1	04/28/2015 20:08	WG784095
Nickel	U		0.350	2.00	1	04/28/2015 15:11	WG783159
Nickel,Dissolved	U		0.350	2.00	1	04/28/2015 20:08	WG784095
Potassium	U		37.0	1000	1	04/28/2015 15:11	WG783159
Selenium	U		0.380	2.00	1	04/28/2015 15:11	WG783159
Selenium,Dissolved	U		0.380	2.00	1	04/28/2015 20:08	WG784095
Sodium	160	J	110	1000	1	04/28/2015 15:11	WG783159
Vanadium	0.308	J	0.180	5.00	1	04/28/2015 15:11	WG783159
Vanadium,Dissolved	0.198	J	0.180	5.00	1	04/28/2015 20:08	WG784095

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TPH (GC/FID) Low Fraction	U		31.0	100	1	04/21/2015 17:42	WG783232



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
(S) a,a,a-Trifluorotoluene(FID)	92.2			62.0-128		04/21/2015 17:42	WG783232

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		10.0	50.0	1	04/24/2015 09:46	WG783751
Benzene	U		0.330	1.00	1	04/24/2015 09:46	WG783751
Bromodichloromethane	U		0.380	1.00	1	04/24/2015 09:46	WG783751
Bromoform	U		0.470	1.00	1	04/24/2015 09:46	WG783751
Bromomethane	U		0.870	5.00	1	04/24/2015 09:46	WG783751
n-Butylbenzene	U		0.360	1.00	1	04/24/2015 09:46	WG783751
sec-Butylbenzene	U		0.360	1.00	1	04/24/2015 09:46	WG783751
Carbon disulfide	U		0.280	1.00	1	04/24/2015 09:46	WG783751
Carbon tetrachloride	U		0.380	1.00	1	04/24/2015 09:46	WG783751
Chlorobenzene	U		0.350	1.00	1	04/24/2015 09:46	WG783751
Chlorodibromomethane	U		0.330	1.00	1	04/24/2015 09:46	WG783751
Chloroethane	U		0.450	5.00	1	04/24/2015 09:46	WG783751
Chloroform	0.960	J	0.320	5.00	1	04/24/2015 09:46	WG783751
Chloromethane	U		0.280	2.50	1	04/24/2015 09:46	WG783751
1,2-Dibromoethane	U		0.380	1.00	1	04/24/2015 09:46	WG783751
1,1-Dichloroethane	U		0.260	1.00	1	04/24/2015 09:46	WG783751
1,2-Dichloroethane	U		0.360	1.00	1	04/24/2015 09:46	WG783751
1,1-Dichloroethene	U		0.400	1.00	1	04/24/2015 09:46	WG783751
cis-1,2-Dichloroethene	U		0.260	1.00	1	04/24/2015 09:46	WG783751
trans-1,2-Dichloroethene	U		0.400	1.00	1	04/24/2015 09:46	WG783751
1,2-Dichloropropane	U		0.310	1.00	1	04/24/2015 09:46	WG783751
cis-1,3-Dichloropropene	U		0.420	1.00	1	04/24/2015 09:46	WG783751
trans-1,3-Dichloropropene	U		0.420	1.00	1	04/24/2015 09:46	WG783751
Ethylbenzene	U		0.380	1.00	1	04/24/2015 09:46	WG783751
Isopropylbenzene	U		0.330	1.00	1	04/24/2015 09:46	WG783751
p-Isopropyltoluene	U		0.350	1.00	1	04/24/2015 09:46	WG783751
2-Butanone (MEK)	U		3.90	10.0	1	04/24/2015 09:46	WG783751
2-Hexanone	U		3.80	10.0	1	04/24/2015 09:46	WG783751
Methylene Chloride	U		1.00	5.00	1	04/24/2015 09:46	WG783751
4-Methyl-2-pentanone (MIBK)	U		2.10	10.0	1	04/24/2015 09:46	WG783751
Methyl tert-butyl ether	U		0.370	1.00	1	04/24/2015 09:46	WG783751
Naphthalene	U		1.00	5.00	1	04/24/2015 09:46	WG783751
n-Propylbenzene	U		0.350	1.00	1	04/24/2015 09:46	WG783751
Styrene	U		0.310	1.00	1	04/24/2015 09:46	WG783751
1,1,1,2-Tetrachloroethane	U		0.380	1.00	1	04/24/2015 09:46	WG783751
1,1,2,2-Tetrachloroethane	U		0.130	1.00	1	04/24/2015 09:46	WG783751
Tetrachloroethene	U		0.370	1.00	1	04/24/2015 09:46	WG783751
Toluene	U		0.780	5.00	1	04/24/2015 09:46	WG783751
1,1,1-Trichloroethane	U		0.319	1.00	1	04/24/2015 09:46	WG783751
1,1,2-Trichloroethane	U		0.380	1.00	1	04/24/2015 09:46	WG783751
Trichloroethene	U		0.400	1.00	1	04/24/2015 09:46	WG783751
1,2,4-Trimethylbenzene	U		0.370	1.00	1	04/24/2015 09:46	WG783751
1,3,5-Trimethylbenzene	U		0.390	1.00	1	04/24/2015 09:46	WG783751
Vinyl chloride	U		0.260	1.00	1	04/24/2015 09:46	WG783751
o-Xylene	U		0.340	1.00	1	04/24/2015 09:46	WG783751
m&p-Xylene	U		0.720	1.00	1	04/24/2015 09:46	WG783751
Xylenes, Total	U		1.10	3.00	1	04/24/2015 09:46	WG783751
(S) Toluene-d8	101			88.5-111		04/24/2015 09:46	WG783751
(S) Dibromofluoromethane	95.2			78.3-121		04/24/2015 09:46	WG783751
(S) 4-Bromofluorobenzene	101			71.0-126		04/24/2015 09:46	WG783751

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Collected date/time: 04/16/15 13:20

L760276

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TPH (GC/FID) High Fraction	U		25.0	100	1	04/23/2015 17:35	WG783644
(S) o-Terphenyl	103			50.0-150		04/23/2015 17:35	WG783644

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc



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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		10.0	50.0	1	04/24/2015 03:05	WG783751
Benzene	U		0.330	1.00	1	04/24/2015 03:05	WG783751
Bromodichloromethane	U		0.380	1.00	1	04/24/2015 03:05	WG783751
Bromoform	U		0.470	1.00	1	04/24/2015 03:05	WG783751
Bromomethane	U		0.870	5.00	1	04/24/2015 03:05	WG783751
n-Butylbenzene	U		0.360	1.00	1	04/24/2015 03:05	WG783751
sec-Butylbenzene	U		0.360	1.00	1	04/24/2015 03:05	WG783751
Carbon disulfide	U		0.280	1.00	1	04/24/2015 03:05	WG783751
Carbon tetrachloride	U		0.380	1.00	1	04/24/2015 03:05	WG783751
Chlorobenzene	U		0.350	1.00	1	04/24/2015 03:05	WG783751
Chlorodibromomethane	U		0.330	1.00	1	04/24/2015 03:05	WG783751
Chloroethane	U		0.450	5.00	1	04/24/2015 03:05	WG783751
Chloroform	U		0.320	5.00	1	04/24/2015 03:05	WG783751
Chloromethane	U		0.280	2.50	1	04/24/2015 03:05	WG783751
1,2-Dibromoethane	U		0.380	1.00	1	04/24/2015 03:05	WG783751
1,1-Dichloroethane	U		0.260	1.00	1	04/24/2015 03:05	WG783751
1,2-Dichloroethane	U		0.360	1.00	1	04/24/2015 03:05	WG783751
1,1-Dichloroethene	U		0.400	1.00	1	04/24/2015 03:05	WG783751
cis-1,2-Dichloroethene	U		0.260	1.00	1	04/24/2015 03:05	WG783751
trans-1,2-Dichloroethene	U		0.400	1.00	1	04/24/2015 03:05	WG783751
1,2-Dichloropropane	U		0.310	1.00	1	04/24/2015 03:05	WG783751
cis-1,3-Dichloropropene	U		0.420	1.00	1	04/24/2015 03:05	WG783751
trans-1,3-Dichloropropene	U		0.420	1.00	1	04/24/2015 03:05	WG783751
Ethylbenzene	U		0.380	1.00	1	04/24/2015 03:05	WG783751
Isopropylbenzene	U		0.330	1.00	1	04/24/2015 03:05	WG783751
p-Isopropyltoluene	U		0.350	1.00	1	04/24/2015 03:05	WG783751
2-Butanone (MEK)	U		3.90	10.0	1	04/24/2015 03:05	WG783751
2-Hexanone	U		3.80	10.0	1	04/24/2015 03:05	WG783751
Methylene Chloride	U		1.00	5.00	1	04/24/2015 03:05	WG783751
4-Methyl-2-pentanone (MIBK)	U		2.10	10.0	1	04/24/2015 03:05	WG783751
Methyl tert-butyl ether	U		0.370	1.00	1	04/24/2015 03:05	WG783751
Naphthalene	U		1.00	5.00	1	04/24/2015 03:05	WG783751
n-Propylbenzene	U		0.350	1.00	1	04/24/2015 03:05	WG783751
Styrene	U		0.310	1.00	1	04/24/2015 03:05	WG783751
1,1,1,2-Tetrachloroethane	U		0.380	1.00	1	04/24/2015 03:05	WG783751
1,1,2,2-Tetrachloroethane	U		0.130	1.00	1	04/24/2015 03:05	WG783751
Tetrachloroethene	U		0.370	1.00	1	04/24/2015 03:05	WG783751
Toluene	U		0.780	5.00	1	04/24/2015 03:05	WG783751
1,1,1-Trichloroethane	U		0.319	1.00	1	04/24/2015 03:05	WG783751
1,1,2-Trichloroethane	U		0.380	1.00	1	04/24/2015 03:05	WG783751
Trichloroethene	U		0.400	1.00	1	04/24/2015 03:05	WG783751
1,2,4-Trimethylbenzene	U		0.370	1.00	1	04/24/2015 03:05	WG783751
1,3,5-Trimethylbenzene	U		0.390	1.00	1	04/24/2015 03:05	WG783751
Vinyl chloride	U		0.260	1.00	1	04/24/2015 03:05	WG783751
o-Xylene	U		0.340	1.00	1	04/24/2015 03:05	WG783751
m&p-Xylene	U		0.720	1.00	1	04/24/2015 03:05	WG783751
Xylenes, Total	U		1.10	3.00	1	04/24/2015 03:05	WG783751
(S) Toluene-d8	101			88.5-111		04/24/2015 03:05	WG783751
(S) Dibromofluoromethane	95.0			78.3-121		04/24/2015 03:05	WG783751
(S) 4-Bromofluorobenzene	101			71.0-126		04/24/2015 03:05	WG783751

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Method Blank (MB)

(MB) 04/24/15 19:37

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

L760265-05 Original Sample (OS) • Duplicate (DUP)

(OS) 04/24/15 19:34 • (DUP) 04/24/15 19:34

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Dissolved Solids	2960	2940	1	0.678		5

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

(LCS) 04/24/15 19:37 • (LCSD) 04/24/15 19:38

	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Analyte	mg/l	mg/l	mg/l	%	%	%			%	%
Dissolved Solids	8800	8580	8600	97.5	97.7	85.0-115			0.233	5

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc



Method Blank (MB)

(MB) 04/27/15 09:09

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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L760276-02 Original Sample (OS) • Duplicate (DUP)

(OS) 04/24/15 16:35 • (DUP) 04/27/15 09:14

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Dissolved Solids	5320	5300	1	0.377		5

L760280-11 Original Sample (OS) • Duplicate (DUP)

(OS) 04/27/15 09:15 • (DUP) 04/27/15 09:15

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Dissolved Solids	2850	2860	1	0.175		5

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

(LCS) 04/27/15 09:10 • (LCSD) 04/27/15 09:11

	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Analyte	mg/l	mg/l	mg/l	%	%	%			%	%
Dissolved Solids	8800	8520	8540	96.8	97.0	85.0-115			0.234	5

Method Blank (MB)

(MB) 04/27/15 09:33

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

L760264-17 Original Sample (OS) • Duplicate (DUP)

(OS) 04/27/15 09:29 • (DUP) 04/27/15 09:29

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Dissolved Solids	2920	2920	1	0.000		5

L760276-12 Original Sample (OS) • Duplicate (DUP)

(OS) 04/27/15 09:26 • (DUP) 04/27/15 09:33

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Dissolved Solids	1980	2080	1	4.69		5

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

(LCS) 04/27/15 09:31 • (LCSD) 04/27/15 09:27

	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Analyte	mg/l	mg/l	mg/l	%	%	%			%	%
Dissolved Solids	8800	8700	8690	98.9	98.8	85.0-115			0.115	5

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc



Method Blank (MB)

(MB) 04/27/15 08:36

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

L760280-10 Original Sample (OS) • Duplicate (DUP)

(OS) 04/27/15 08:42 • (DUP) 04/27/15 08:45

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Dissolved Solids	5300	5180	1	2.29		5

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

(LCS) 04/27/15 08:46 • (LCSD) 04/27/15 08:46

	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Analyte	mg/l	mg/l	mg/l	%	%	%			%	%
Dissolved Solids	8800	8630	8700	98.1	98.9	85.0-115			0.808	5

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc



Method Blank (MB)

(MB) 05/01/15 02:38

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

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

L760276-07 Original Sample (OS) • Duplicate (DUP)

(OS) 05/01/15 03:07 • (DUP) 05/01/15 03:08

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Nitrate-Nitrite	3.8	3.8	1	0.00		20

L760269-15 Original Sample (OS) • Duplicate (DUP)

(OS) 05/01/15 02:45 • (DUP) 05/01/15 02:46

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Nitrate-Nitrite	ND	ND	10	0.00		20

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

(LCS) 05/01/15 02:42 • (LCSD) 05/01/15 02:43

	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Analyte	mg/l	mg/l	mg/l	%	%	%			%	%
Nitrate-Nitrite	5.00	5.13	5.17	103	103	90.0-110			0.777	20

L760269-17 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 05/01/15 02:49 • (MS) 05/01/15 02:50 • (MSD) 05/01/15 02:51

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/l	mg/l	mg/l	mg/l	%	%		%			%	%
Nitrate-Nitrite	5.00	8.15	12.1	12.1	78.0	78.0	1	90.0-110	F	F	0.000	20

Method Blank (MB)

(MB) 05/04/15 10:45

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

L760280-11 Original Sample (OS) • Duplicate (DUP)

(OS) 05/04/15 11:15 • (DUP) 05/04/15 11:16

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Nitrate-Nitrite	4.5	4.5	1	0.00		20

L760276-15 Original Sample (OS) • Duplicate (DUP)

(OS) 05/04/15 10:52 • (DUP) 05/04/15 10:53

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Nitrate-Nitrite	ND	ND	1	35	* J	20

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

(LCS) 05/04/15 10:48 • (LCSD) 05/04/15 10:50

	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Analyte	mg/l	mg/l	mg/l	%	%	%			%	%
Nitrate-Nitrite	5.00	5.23	5.29	105	106	90.0-110			1.14	20

L760276-17 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 05/04/15 10:54 • (MS) 05/04/15 10:56 • (MSD) 05/04/15 10:57

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/l	mg/l	mg/l	mg/l	%	%		%			%	%
Nitrate-Nitrite	5.00	4.34	9.05	8.59	95.0	85.8	1	90.0-110		F	5.22	20

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc



Method Blank (MB)

(MB) 04/30/15 12:52

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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L760276-18 Original Sample (OS) • Duplicate (DUP)

(OS) 04/30/15 13:19 • (DUP) 04/30/15 13:20

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Cyanide	ND	ND	1	0.00		20

L760264-01 Original Sample (OS) • Duplicate (DUP)

(OS) 04/30/15 12:59 • (DUP) 04/30/15 13:00

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Cyanide	0.013	0.015	1	14		20

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

(LCS) 04/30/15 12:54 • (LCSD) 04/30/15 12:55

	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Analyte	mg/l	mg/l	mg/l	%	%	%			%	%
Cyanide	0.100	0.108	0.104	108	104	90.0-110			3.77	20

Method Blank (MB)

(MB) 04/29/15 09:09

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

L760276-14 Original Sample (OS) • Duplicate (DUP)

(OS) 04/29/15 10:57 • (DUP) 04/29/15 11:13

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	0.0390	0.131	1	108	* J	20
Fluoride	ND	0.000	1	0		20
Sulfate	ND	0.0377	1	0		20

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

(LCS) 04/29/15 09:25 • (LCSD) 04/29/15 09:40

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Chloride	40.0	40.7	40.8	102	102	90-110			0	20
Fluoride	8.00	8.28	8.30	103	104	90-110			0	20
Sulfate	40.0	40.5	40.6	101	101	90-110			0	20

L760280-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 04/29/15 12:45 • (MS) 04/29/15 13:01 • (MSD) 04/29/15 13:16

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Fluoride	5.00	1.88	5.63	6.06	75	84	1	80-120	F		7	20

L760280-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 04/29/15 19:00 • (MS) 04/29/15 19:16 • (MSD) 04/29/15 19:31

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	0.500	266	5330	5320	101	101	100	80-120			0	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc



L760280-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 04/29/15 19:00 • (MS) 04/29/15 19:16 • (MSD) 04/29/15 19:31

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Sulfate	0.500	2940	7830	7830	98	98	100	80-120			0	20

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc



Method Blank (MB)

(MB) 04/28/15 10:41

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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L761744-01 Original Sample (OS) • Duplicate (DUP)

(OS) 04/28/15 12:46 • (DUP) 04/28/15 13:00

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Sulfate	19.0	19.1	1	0		20

L761870-01 Original Sample (OS) • Duplicate (DUP)

(OS) 04/28/15 19:10 • (DUP) 04/28/15 19:24

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	17.5	17.7	1	1		20
Fluoride	0.310	0.268	1	15		20
Sulfate	58.3	58.3	1	0		20

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

(LCS) 04/28/15 10:56 • (LCSD) 04/28/15 11:10

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Chloride	40.0	39.6	39.6	99	99	90-110			0	20
Fluoride	8.00	8.08	8.15	101	102	90-110			1	20
Sulfate	40.0	39.3	39.5	98	99	90-110			0	20

L761743-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 04/28/15 13:14 • (MS) 04/28/15 13:29 • (MSD) 04/28/15 13:43

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Sulfate	50.0	11.8	61.9	63.3	100	103	1	80-120			2	20



Method Blank (MB)

(MB) 04/29/15 09:00

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

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

L759578-13 Original Sample (OS) • Duplicate (DUP)

(OS) 04/29/15 11:55 • (DUP) 04/29/15 12:09

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	61.1	60.0	10	2		20
Sulfate	86.8	83.4	10	4		20

L761954-01 Original Sample (OS) • Duplicate (DUP)

(OS) 04/29/15 13:59 • (DUP) 04/29/15 14:13

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	15.7	15.5	1	1		20
Fluoride	0.703	0.691	1	2		20
Sulfate	15.7	15.6	1	0		20

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

(LCS) 04/29/15 09:14 • (LCSD) 04/29/15 09:29

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Chloride	40.0	40.1	40.1	100	100	90-110			0	20
Fluoride	8.00	8.30	8.29	104	104	90-110			0	20
Sulfate	40.0	40.8	40.8	102	102	90-110			0	20

L760623-10 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 04/29/15 12:24 • (MS) 04/29/15 12:38 • (MSD) 04/29/15 12:52

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
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L760623-10 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 04/29/15 12:24 • (MS) 04/29/15 12:38 • (MSD) 04/29/15 12:52

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Sulfate	50.0	16.2	65.5	66.9	99	101	1	80-120			2	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) 05/04/15 13:21

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/l		mg/l	mg/l
Fluoride	U		0.0099	0.100

L760276-08 Original Sample (OS) • Duplicate (DUP)

(OS) 05/05/15 15:54 • (DUP) 05/05/15 16:08

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Fluoride	0.879	0.873	1	1		20

L760281-07 Original Sample (OS) • Duplicate (DUP)

(OS) 05/05/15 19:20 • (DUP) 05/05/15 19:34

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Fluoride	0.0106	0.0103	1	3		20

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

(LCS) 05/04/15 13:35 • (LCSD) 05/04/15 13:49

	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Analyte	mg/l	mg/l	mg/l	%	%	%			%	%
Fluoride	8.00	7.85	7.90	98	99	90-110			1	20

L760280-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 05/05/15 14:31 • (MS) 05/05/15 14:45 • (MSD) 05/05/15 14:58

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/l	mg/l	mg/l	mg/l	%	%		%			%	%
Fluoride	5.00	1.45	6.34	6.47	98	100	1	80-120			2	20

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc

Method Blank (MB)

(MB) 04/30/15 08:24

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

L762266-01 Original Sample (OS) • Duplicate (DUP)

(OS) 04/30/15 16:24 • (DUP) 04/30/15 16:39

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Chloride	85.1	84.4	1	1		20
Sulfate	43.9	43.7	1	1		20

L760281-07 Original Sample (OS) • Duplicate (DUP)

(OS) 04/30/15 20:45 • (DUP) 04/30/15 21:01

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Chloride	6.20	5.82	1	6		20
Sulfate	0.0246	0.0954	1	118	* J	20

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

(LCS) 04/30/15 08:39 • (LCSD) 04/30/15 08:55

	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Analyte	mg/l	mg/l	mg/l	%	%	%			%	%
Chloride	40.0	40.7	40.7	102	102	90-110			0	20
Sulfate	40.0	40.4	40.5	101	101	90-110			0	20

L762272-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 04/30/15 17:25 • (MS) 04/30/15 17:40 • (MSD) 04/30/15 17:56

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/l	mg/l	mg/l	mg/l	%	%		%			%	%
Chloride	50.0	8.33	59.7	54.8	103	93	1	80-120			9	20
Sulfate	50.0	46.9	94.0	94.6	94	95	1	80-120			1	20

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc

Method Blank (MB)

(MB) 05/02/15 11:16

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

L760891-03 Original Sample (OS) • Duplicate (DUP)

(OS) 05/02/15 14:18 • (DUP) 05/02/15 14:33

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Chloride	35.7	30.1	1	17		20
Sulfate	83.2	83.2	1	0		20

L760940-01 Original Sample (OS) • Duplicate (DUP)

(OS) 05/02/15 18:55 • (DUP) 05/02/15 19:11

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Chloride	42.7	42.8	1	0		20
Sulfate	12.9	12.9	1	0		20

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

(LCS) 05/02/15 11:31 • (LCSD) 05/02/15 11:47

	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Analyte	mg/l	mg/l	mg/l	%	%	%			%	%
Chloride	40.0	39.7	39.7	99	99	90-110			0	20
Sulfate	40.0	39.9	39.9	100	100	90-110			0	20

L760891-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 05/02/15 14:49 • (MS) 05/02/15 15:04 • (MSD) 05/02/15 15:20

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/l	mg/l	mg/l	mg/l	%	%		%			%	%
Chloride	50.0	16.5	64.7	65.7	96	98	1	80-120			2	20
Sulfate	50.0	40.1	87.4	88.0	95	96	1	80-120			1	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) 05/06/15 09:25

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/l		mg/l	mg/l
Fluoride	U		0.0099	0.100

L760276-10 Original Sample (OS) • Duplicate (DUP)

(OS) 05/06/15 14:10 • (DUP) 05/06/15 14:25

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Fluoride	0.704	0.684	1	3		20

L761750-07 Original Sample (OS) • Duplicate (DUP)

(OS) 05/06/15 18:19 • (DUP) 05/06/15 18:33

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Fluoride	0.194	0.242	1	22	*	20

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

(LCS) 05/06/15 12:25 • (LCSD) 05/06/15 12:40

	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Analyte	mg/l	mg/l	mg/l	%	%	%			%	%
Fluoride	8.00	8.01	8.00	100	100	90-110			0	20

L761475-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 05/06/15 17:16 • (MS) 05/06/15 17:30 • (MSD) 05/06/15 17:45

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/l	mg/l	mg/l	mg/l	%	%		%			%	%
Fluoride	0.500	2.35	52.2	53.0	100	101	10	80-120			2	20

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc

Method Blank (MB)

(MB) 04/21/15 11:43

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

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

(LCS) 04/21/15 11:45 • (LCSD) 04/21/15 11:48

	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Analyte	mg/l	mg/l	mg/l	%	%	%			%	%
Mercury	0.00300	0.00290	0.00301	97	100	80-120			4	20

L760276-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 04/21/15 11:56 • (MS) 04/21/15 11:58 • (MSD) 04/21/15 12:01

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/l	mg/l	mg/l	mg/l	%	%		%			%	%
Mercury	0.00300	ND	0.00270	0.00248	90	83	1	75-125			8	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc



Method Blank (MB)

(MB) 04/28/15 14:03

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Arsenic	U		0.00025	0.00200
Barium	U		0.00036	0.00500
Calcium	U		0.046	1.00
Chromium	U		0.00054	0.00200
Iron	U		0.015	0.100
Lead	U		0.00024	0.00200
Manganese	U		0.00025	0.00500
Nickel	U		0.00035	0.00200
Potassium	U		0.037	1.00
Selenium	U		0.00038	0.00200
Sodium	U		0.11	1.00
Vanadium	0.000217		0.00018	0.00500

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

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

(LCS) 04/28/15 14:07 • (LCSD) 04/28/15 14:11

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Arsenic	0.0500	0.0484	0.0471	97	94	80-120			3	20
Barium	0.0500	0.0489	0.0477	98	95	80-120			2	20
Calcium	5.00	5.04	4.82	101	96	80-120			4	20
Chromium	0.0500	0.0508	0.0487	102	97	80-120			4	20
Iron	5.00	4.80	4.63	96	93	80-120			3	20
Lead	0.0500	0.0494	0.0484	99	97	80-120			2	20
Manganese	0.0500	0.0508	0.0473	102	95	80-120			7	20
Nickel	0.0500	0.0501	0.0483	100	97	80-120			4	20
Potassium	5.00	4.97	4.79	99	96	80-120			4	20
Selenium	0.0500	0.0481	0.0473	96	95	80-120			2	20
Sodium	5.00	4.87	4.76	97	95	80-120			2	20
Vanadium	0.0500	0.0493	0.0483	99	97	80-120			2	20



L760276-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 04/28/15 14:13 • (MS) 04/28/15 14:18 • (MSD) 04/28/15 14:20

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	0.0500	0.00379	0.0544	0.0542	101	101	1	75-125			0	20
Barium	0.0500	0.0105	0.0597	0.0565	98	92	1	75-125			6	20
Calcium	5.00	482	482	478	0	0	1	75-125	4	4	1	20
Chromium	0.0500	0.000703	0.0470	0.0475	93	94	1	75-125			1	20
Potassium	5.00	1.30	6.03	5.82	94	90	1	75-125			4	20
Iron	5.00	0.00465	4.47	4.47	89	89	1	75-125			0	20
Lead	0.0500	0.000138	0.0487	0.0475	97	95	1	75-125			2	20
Manganese	0.0500	0.000212	0.0467	0.0463	93	92	1	75-125			1	20
Nickel	0.0500	0.000699	0.0456	0.0454	90	89	1	75-125			1	20
Selenium	0.0500	0.00988	0.0599	0.0598	100	100	1	75-125			0	20
Sodium	5.00	230	237	234	127	62	1	75-125	4	4	1	20
Vanadium	0.0500	0.0251	0.0729	0.0725	96	95	1	75-125			1	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) 04/29/15 00:49

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Arsenic,Dissolved	U		0.00025	0.00200
Barium,Dissolved	U		0.00036	0.00500
Chromium,Dissolved	U		0.00054	0.00200
Iron,Dissolved	U		0.015	0.100
Lead,Dissolved	U		0.00024	0.00200
Manganese,Dissolved	U		0.00025	0.00500
Nickel,Dissolved	U		0.00035	0.00200
Selenium,Dissolved	U		0.00038	0.00200
Vanadium,Dissolved	U		0.00018	0.00500

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc

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

(LCS) 04/29/15 05:45 • (LCSD) 04/29/15 00:54

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Arsenic,Dissolved	0.0500	0.0464	0.0511	93	102	80-120			10	20
Barium,Dissolved	0.0500	0.0442	0.0468	88	94	80-120			6	20
Chromium,Dissolved	0.0500	0.0446	0.0479	89	96	80-120			7	20
Iron,Dissolved	5.00	4.25	4.55	85	91	80-120			7	20
Lead,Dissolved	0.0500	0.0439	0.0483	88	97	80-120			10	20
Manganese,Dissolved	0.0500	0.0453	0.0474	91	95	80-120			5	20
Nickel,Dissolved	0.0500	0.0445	0.0492	89	98	80-120			10	20
Selenium,Dissolved	0.0500	0.0451	0.0489	90	98	80-120			8	20
Vanadium,Dissolved	0.0500	0.0446	0.0474	89	95	80-120			6	20

L760276-13 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 04/29/15 00:56 • (MS) 04/29/15 01:00 • (MSD) 04/29/15 01:03

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic,Dissolved	0.0500	0.00571	0.0590	0.0615	107	112	1	75-125			4	20
Barium,Dissolved	0.0500	0.00941	0.0585	0.0611	98	103	1	75-125			4	20
Chromium,Dissolved	0.0500	0.00147	0.0469	0.0485	91	94	1	75-125			3	20
Iron,Dissolved	5.00	0.182	4.38	4.57	84	88	1	75-125			4	20
Lead,Dissolved	0.0500	0.0000926	0.0480	0.0509	96	102	1	75-125			6	20



L760276-13 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 04/29/15 00:56 • (MS) 04/29/15 01:00 • (MSD) 04/29/15 01:03

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Manganese,Dissolved	0.0500	0.00509	0.0495	0.0514	89	93	1	75-125			4	20
Nickel,Dissolved	0.0500	0.00130	0.0448	0.0479	87	93	1	75-125			7	20
Selenium,Dissolved	0.0500	0.0134	0.0660	0.0673	105	108	1	75-125			2	20
Vanadium,Dissolved	0.0500	0.0179	0.0649	0.0677	94	99	1	75-125			4	20

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc



Method Blank (MB)

(MB) 04/28/15 19:23

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Arsenic,Dissolved	U		0.00025	0.00200
Barium,Dissolved	U		0.00036	0.00500
Chromium,Dissolved	U		0.00054	0.00200
Iron,Dissolved	U		0.015	0.100
Lead,Dissolved	U		0.00024	0.00200
Manganese,Dissolved	U		0.00025	0.00500
Nickel,Dissolved	U		0.00035	0.00200
Selenium,Dissolved	U		0.00038	0.00200
Vanadium,Dissolved	0.000441		0.00018	0.00500

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

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

(LCS) 04/28/15 19:26 • (LCSD) 04/28/15 19:28

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Arsenic,Dissolved	0.0500	0.0471	0.0479	94	96	80-120			2	20
Barium,Dissolved	0.0500	0.0447	0.0473	89	95	80-120			6	20
Chromium,Dissolved	0.0500	0.0446	0.0470	89	94	80-120			5	20
Iron,Dissolved	5.00	4.28	4.54	86	91	80-120			6	20
Lead,Dissolved	0.0500	0.0458	0.0477	92	95	80-120			4	20
Manganese,Dissolved	0.0500	0.0446	0.0473	89	95	80-120			6	20
Nickel,Dissolved	0.0500	0.0447	0.0473	89	95	80-120			6	20
Selenium,Dissolved	0.0500	0.0463	0.0483	93	97	80-120			4	20
Vanadium,Dissolved	0.0500	0.0451	0.0476	90	95	80-120			5	20

L760276-14 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 04/28/15 19:30 • (MS) 04/28/15 19:35 • (MSD) 04/28/15 19:37

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic,Dissolved	0.0500	0.000150	0.0495	0.0545	99	109	1	75-125			9	20
Barium,Dissolved	0.0500	0.0000331	0.0491	0.0539	98	108	1	75-125			9	20
Chromium,Dissolved	0.0500	0.000170	0.0487	0.0531	97	106	1	75-125			9	20
Iron,Dissolved	5.00	ND	4.67	5.14	93	103	1	75-125			10	20
Lead,Dissolved	0.0500	0.0000364	0.0495	0.0509	99	102	1	75-125			3	20



L760276-14 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 04/28/15 19:30 • (MS) 04/28/15 19:35 • (MSD) 04/28/15 19:37

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Manganese,Dissolved	0.0500	ND	0.0474	0.0519	95	104	1	75-125			9	20
Nickel,Dissolved	0.0500	0.0000549	0.0489	0.0542	98	108	1	75-125			10	20
Selenium,Dissolved	0.0500	0.000136	0.0499	0.0504	100	101	1	75-125			1	20
Vanadium,Dissolved	0.0500	0.000681	0.0487	0.0538	96	106	1	75-125			10	20

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc



Method Blank (MB)

(MB) 04/21/15 13:36

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	mg/l		mg/l	mg/l
TPH (GC/FID) Low Fraction	U		0.0314	0.100
(S) a,a,a-Trifluorotoluene(FID)	92.4			62.0-128

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

(LCS) 04/21/15 11:15 • (LCSD) 04/21/15 11:38

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	mg/l	mg/l	mg/l	%	%	%			%	%
TPH (GC/FID) Low Fraction	5.50	4.91	4.91	89.2	89.3	67.0-132			0.0900	20
(S) a,a,a-Trifluorotoluene(FID)				98.5	98.4	62.0-128				

L760276-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 04/21/15 14:26 • (MS) 04/21/15 12:30 • (MSD) 04/21/15 12:52

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	mg/l	mg/l	mg/l	mg/l	%	%		%			%	%
TPH (GC/FID) Low Fraction	5.50	ND	4.99	5.01	90.7	91.0	1	50.0-143			0.390	20
(S) a,a,a-Trifluorotoluene(FID)					98.8	99.2		62.0-128				



Method Blank (MB)

(MB) 04/24/15 01:13

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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc



Method Blank (MB)

(MB) 04/24/15 01:13

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Tetrachloroethene	U		0.000372	0.00100
Toluene	U		0.000780	0.00500
1,1,1-Trichloroethane	U		0.000319	0.00100
1,1,2-Trichloroethane	U		0.000383	0.00100
Trichloroethene	U		0.000398	0.00100
1,2,4-Trimethylbenzene	U		0.000373	0.00100
1,3,5-Trimethylbenzene	U		0.000387	0.00100
Vinyl chloride	U		0.000259	0.00100
Xylenes, Total	U		0.00106	0.00300
o-Xylene	U		0.000341	0.00100
m&p-Xylenes	U		0.000719	0.00100
(S) Toluene-d8	101			88.5-111
(S) Dibromofluoromethane	93.0			78.3-121
(S) 4-Bromofluorobenzene	101			71.0-126

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

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

(LCS) 04/23/15 23:44 • (LCSD) 04/24/15 00:06

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	0.144	0.147	115	118	35.6-163			2.39	23.9
Benzene	0.0250	0.0233	0.0239	93.2	95.5	74.8-121			2.39	20
Bromodichloromethane	0.0250	0.0236	0.0247	94.3	98.7	75.1-116			4.54	20
Bromoform	0.0250	0.0248	0.0255	99.2	102	67.5-130			2.93	20
Bromomethane	0.0250	0.0268	0.0274	107	110	49.9-162			2.13	20
n-Butylbenzene	0.0250	0.0251	0.0263	100	105	76.2-126			4.43	20
sec-Butylbenzene	0.0250	0.0261	0.0272	104	109	74.4-127			4.28	20
Carbon disulfide	0.0250	0.0234	0.0238	93.7	95.0	64.6-140			1.45	20
Carbon tetrachloride	0.0250	0.0208	0.0219	83.4	87.5	70.2-123			4.81	20
Chlorobenzene	0.0250	0.0263	0.0268	105	107	78.1-119			1.99	20
Chlorodibromomethane	0.0250	0.0244	0.0256	97.7	102	74.0-121			4.78	20
Chloroethane	0.0250	0.0238	0.0246	95.4	98.4	61.7-135			3.14	20
Chloroform	0.0250	0.0234	0.0242	93.6	96.9	76.0-121			3.43	20
Chloromethane	0.0250	0.0215	0.0216	86.0	86.6	61.5-129			0.650	20
1,2-Dibromoethane	0.0250	0.0241	0.0246	96.3	98.5	76.6-121			2.22	20
1,1-Dichloroethane	0.0250	0.0239	0.0245	95.6	98.0	70.7-126			2.47	20



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

(LCS) 04/23/15 23:44 • (LCSD) 04/24/15 00:06

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
1,2-Dichloroethane	0.0250	0.0220	0.0227	88.2	90.8	68.8-124			2.95	20
1,1-Dichloroethene	0.0250	0.0242	0.0251	96.8	100	67.8-129			3.45	20
cis-1,2-Dichloroethene	0.0250	0.0240	0.0246	96.1	98.3	76.0-119			2.29	20
trans-1,2-Dichloroethene	0.0250	0.0245	0.0251	98.0	100	72.6-121			2.26	20
1,2-Dichloropropane	0.0250	0.0249	0.0253	99.5	101	76.5-119			1.84	20
cis-1,3-Dichloropropene	0.0250	0.0236	0.0243	94.2	97.3	78.2-120			3.22	20
trans-1,3-Dichloropropene	0.0250	0.0212	0.0221	84.9	88.4	74.3-123			4.07	20
Ethylbenzene	0.0250	0.0270	0.0277	108	111	78.8-122			2.81	20
2-Hexanone	0.125	0.126	0.124	101	99.2	65.6-144			1.80	20
Isopropylbenzene	0.0250	0.0268	0.0276	107	110	78.6-132			2.90	20
p-Isopropyltoluene	0.0250	0.0263	0.0270	105	108	74.0-131			2.70	20
2-Butanone (MEK)	0.125	0.112	0.114	89.6	91.4	55.0-149			1.97	20
Methylene Chloride	0.0250	0.0230	0.0239	91.9	95.6	70.3-120			3.93	20
4-Methyl-2-pentanone (MIBK)	0.125	0.109	0.112	87.1	89.5	70.5-133			2.74	20
Methyl tert-butyl ether	0.0250	0.0222	0.0228	88.6	91.2	71.2-126			2.81	20
Naphthalene	0.0250	0.0235	0.0249	94.0	99.6	68.4-128			5.76	20
n-Propylbenzene	0.0250	0.0261	0.0268	105	107	78.2-122			2.66	20
Styrene	0.0250	0.0268	0.0276	107	110	80.4-126			3.19	20
1,1,1,2-Tetrachloroethane	0.0250	0.0265	0.0271	106	108	74.2-124			2.01	20
1,1,2,2-Tetrachloroethane	0.0250	0.0232	0.0243	92.9	97.4	70.7-122			4.75	20
Tetrachloroethene	0.0250	0.0282	0.0286	113	114	72.6-126			1.42	20
Toluene	0.0250	0.0243	0.0254	97.4	102	79.7-116			4.18	20
1,1,1-Trichloroethane	0.0250	0.0240	0.0245	96.2	98.2	73.2-123			2.06	20
1,1,2-Trichloroethane	0.0250	0.0248	0.0252	99.1	101	77.7-118			1.80	20
Trichloroethene	0.0250	0.0264	0.0273	106	109	77.7-118			3.24	20
1,2,4-Trimethylbenzene	0.0250	0.0261	0.0266	104	106	75.0-123			1.88	20
1,3,5-Trimethylbenzene	0.0250	0.0263	0.0275	105	110	75.6-124			4.14	20
Vinyl chloride	0.0250	0.0241	0.0248	96.5	99.2	65.9-128			2.77	20
Xylenes, Total	0.0750	0.0801	0.0816	107	109	78.7-121			1.88	20
o-Xylene	0.0250	0.0265	0.0273	106	109	77.6-122			2.77	20
m&p-Xylenes	0.0500	0.0536	0.0544	107	109	78.8-121			1.44	20
(S) Toluene-d8				101	101	88.5-111				
(S) Dibromofluoromethane				95.6	93.3	78.3-121				
(S) 4-Bromofluorobenzene				103	102	71.0-126				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc



L760282-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 04/24/15 03:27 • (MS) 04/24/15 01:35 • (MSD) 04/24/15 01:58

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	0.00682	0.0790	0.0855	57.8	62.9	1	10.0-130			7.85	27.9
Benzene	0.0250	ND	0.0192	0.0198	76.9	79.4	1	54.3-133			3.12	20
Bromodichloromethane	0.0250	ND	0.0210	0.0221	84.0	88.4	1	63.9-121			5.18	20
Bromoform	0.0250	ND	0.0216	0.0235	86.3	94.1	1	59.5-134			8.71	20.5
Bromomethane	0.0250	ND	0.0199	0.0212	79.5	84.7	1	41.7-155			6.29	21.9
n-Butylbenzene	0.0250	ND	0.0195	0.0218	77.9	87.2	1	62.7-140			11.2	20.3
sec-Butylbenzene	0.0250	ND	0.0204	0.0221	81.5	88.3	1	62.2-136			8.00	20.3
Carbon disulfide	0.0250	ND	0.0143	0.0146	57.0	58.4	1	43.3-149			2.44	20.3
Carbon tetrachloride	0.0250	ND	0.0164	0.0176	65.7	70.5	1	55.7-134			6.98	20
Chlorobenzene	0.0250	ND	0.0219	0.0232	87.7	93.0	1	67.0-125			5.81	20
Chlorodibromomethane	0.0250	ND	0.0219	0.0233	87.6	93.1	1	64.3-125			6.05	20.8
Chloroethane	0.0250	ND	0.0183	0.0186	73.3	74.5	1	51.5-136			1.53	40
Chloroform	0.0250	ND	0.0205	0.0213	82.1	85.1	1	63.0-129			3.61	20
Chloromethane	0.0250	ND	0.0153	0.0154	61.0	61.5	1	42.4-135			0.830	20
1,2-Dibromoethane	0.0250	ND	0.0209	0.0217	83.5	87.0	1	67.1-125			4.06	20
1,1-Dichloroethane	0.0250	ND	0.0199	0.0208	79.6	83.2	1	58.5-132			4.42	20
1,2-Dichloroethane	0.0250	ND	0.0193	0.0204	77.2	81.4	1	60.0-126			5.27	20
1,1-Dichloroethene	0.0250	ND	0.0183	0.0191	73.1	76.6	1	51.1-140			4.57	20.2
cis-1,2-Dichloroethene	0.0250	ND	0.0202	0.0214	80.8	85.5	1	59.2-129			5.63	20
trans-1,2-Dichloroethene	0.0250	ND	0.0189	0.0197	75.7	78.6	1	56.5-129			3.73	20
1,2-Dichloropropane	0.0250	ND	0.0208	0.0223	83.2	89.1	1	64.2-123			6.93	20
cis-1,3-Dichloropropene	0.0250	ND	0.0201	0.0215	80.5	86.0	1	66.4-125			6.61	20
trans-1,3-Dichloropropene	0.0250	ND	0.0189	0.0201	75.4	80.5	1	64.1-128			6.49	20
Ethylbenzene	0.0250	ND	0.0216	0.0228	86.5	91.4	1	61.4-133			5.44	20
2-Hexanone	0.125	ND	0.0933	0.104	74.6	83.0	1	43.3-137			10.7	25.5
Isopropylbenzene	0.0250	ND	0.0212	0.0225	84.6	90.0	1	66.8-141			6.10	20
p-Isopropyltoluene	0.0250	ND	0.0204	0.0222	81.7	88.8	1	63.2-139			8.36	20.4
2-Butanone (MEK)	0.125	ND	0.0793	0.0865	63.4	69.2	1	22.4-138			8.76	27
Methylene Chloride	0.0250	0.000400	0.0200	0.0208	78.5	81.5	1	58.1-122			3.64	20
4-Methyl-2-pentanone (MIBK)	0.125	ND	0.0950	0.105	76.0	84.0	1	60.8-140			10.1	25.1
Methyl tert-butyl ether	0.0250	ND	0.0203	0.0214	81.3	85.7	1	57.7-134			5.24	20
Naphthalene	0.0250	ND	0.0189	0.0228	75.4	91.2	1	58.0-135			19.0	25.5
n-Propylbenzene	0.0250	ND	0.0206	0.0221	82.4	88.5	1	65.9-131			7.16	20
Styrene	0.0250	ND	0.0224	0.0237	89.6	94.9	1	66.8-133			5.79	20
1,1,1,2-Tetrachloroethane	0.0250	ND	0.0229	0.0246	91.6	98.5	1	64.0-128			7.33	20
1,1,2,2-Tetrachloroethane	0.0250	ND	0.0215	0.0229	86.0	91.7	1	56.0-132			6.33	22.2

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc



L760282-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 04/24/15 03:27 • (MS) 04/24/15 01:35 • (MSD) 04/24/15 01:58

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Tetrachloroethene	0.0250	ND	0.0214	0.0220	85.8	88.1	1	53.0-139			2.72	20
Toluene	0.0250	ND	0.0199	0.0212	79.4	84.6	1	61.4-130			6.36	20
1,1,1-Trichloroethane	0.0250	ND	0.0195	0.0202	77.9	80.9	1	58.7-134			3.80	20
1,1,2-Trichloroethane	0.0250	ND	0.0218	0.0235	87.3	94.0	1	66.3-125			7.33	20
Trichloroethene	0.0250	ND	0.0204	0.0217	81.7	86.8	1	44.1-149			5.96	20
1,2,4-Trimethylbenzene	0.0250	ND	0.0208	0.0227	83.1	90.8	1	57.4-137			8.91	20
1,3,5-Trimethylbenzene	0.0250	ND	0.0212	0.0227	85.0	90.9	1	63.6-132			6.77	20.5
Vinyl chloride	0.0250	ND	0.0172	0.0175	69.0	70.1	1	47.8-137			1.68	20
Xylenes, Total	0.0750	ND	0.0642	0.0687	85.6	91.6	1	63.3-131			6.75	20
o-Xylene	0.0250	ND	0.0216	0.0233	86.3	93.3	1	63.3-130			7.82	20
m&p-Xylenes	0.0500	ND	0.0426	0.0454	85.3	90.7	1	61.7-133			6.20	20
(S) Toluene-d8					101	102		88.5-111				
(S) Dibromofluoromethane					96.8	96.5		78.3-121				
(S) 4-Bromofluorobenzene					103	103		71.0-126				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc



Method Blank (MB)

(MB) 04/30/15 10:53

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Benzene	U		0.000331	0.00100
Ethylbenzene	U		0.000384	0.00100
Methyl tert-butyl ether	U		0.000367	0.00100

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

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

(LCS) 04/30/15 08:31 • (LCSD) 04/30/15 09:49

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzene	0.0250	0.0238	0.0229	95.3	91.5	74.8-121			4.09	20
Ethylbenzene	0.0250	0.0250	0.0245	100	98.2	78.8-122			1.95	20
Methyl tert-butyl ether	0.0250	0.0257	0.0209	103	83.4	71.2-126		*	20.9	20

L760281-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 04/30/15 14:21 • (MS) 04/30/15 13:23 • (MSD) 04/30/15 13:42

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Benzene	0.0250	0.0770	0.102	0.0989	101	87.7	1	54.3-133			3.38	20
Ethylbenzene	0.0250	0.00274	0.0310	0.0267	113	96.0	1	61.4-133			14.7	20
Methyl tert-butyl ether	0.0250	0.0553	0.0767	0.0672	86.0	47.7	1	57.7-134		F	13.3	20

Method Blank (MB)

(MB) 04/30/15 14:02

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

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc



Method Blank (MB)

(MB) 04/30/15 14:02

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Tetrachloroethene	U		0.000372	0.00100
Toluene	U		0.000780	0.00500
1,1,1-Trichloroethane	U		0.000319	0.00100
1,1,2-Trichloroethane	U		0.000383	0.00100
Trichloroethene	U		0.000398	0.00100
1,2,4-Trimethylbenzene	U		0.000373	0.00100
1,3,5-Trimethylbenzene	U		0.000387	0.00100
Vinyl chloride	U		0.000259	0.00100
Xylenes, Total	U		0.00106	0.00300
o-Xylene	U		0.000341	0.00100
m&p-Xylenes	U		0.000719	0.00100
(S) Toluene-d8	103			88.5-111
(S) Dibromofluoromethane	91.3			78.3-121
(S) 4-Bromofluorobenzene	105			71.0-126

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

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

(LCS) 04/30/15 11:19 • (LCSD) 04/30/15 12:51

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	0.107	0.0957	85.3	76.5	35.6-163			10.8	23.9
Benzene	0.0250	0.0235	0.0226	94.1	90.3	74.8-121			4.11	20
Bromodichloromethane	0.0250	0.0247	0.0235	98.7	93.8	75.1-116			5.07	20
Bromoform	0.0250	0.0261	0.0251	104	101	67.5-130			3.85	20
Bromomethane	0.0250	0.0218	0.0213	87.3	85.4	49.9-162			2.23	20
n-Butylbenzene	0.0250	0.0240	0.0244	96.0	97.8	76.2-126			1.81	20
sec-Butylbenzene	0.0250	0.0255	0.0266	102	106	74.4-127			4.35	20
Carbon disulfide	0.0250	0.0253	0.0222	101	88.7	64.6-140			13.1	20
Carbon tetrachloride	0.0250	0.0233	0.0225	93.4	89.9	70.2-123			3.84	20
Chlorobenzene	0.0250	0.0265	0.0269	106	107	78.1-119			1.40	20
Chlorodibromomethane	0.0250	0.0266	0.0263	106	105	74.0-121			1.09	20
Chloroethane	0.0250	0.0213	0.0209	85.3	83.6	61.7-135			1.98	20
Chloroform	0.0250	0.0239	0.0229	95.8	91.7	76.0-121			4.40	20
Chloromethane	0.0250	0.0211	0.0199	84.6	79.7	61.5-129			5.99	20
1,2-Dibromoethane	0.0250	0.0261	0.0243	104	97.3	76.6-121			6.95	20
1,1-Dichloroethane	0.0250	0.0235	0.0225	93.8	90.1	70.7-126			4.07	20

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

(LCS) 04/30/15 11:19 • (LCSD) 04/30/15 12:51

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
1,2-Dichloroethane	0.0250	0.0240	0.0221	96.0	88.5	68.8-124			8.11	20
1,1-Dichloroethene	0.0250	0.0240	0.0231	96.1	92.5	67.8-129			3.82	20
cis-1,2-Dichloroethene	0.0250	0.0235	0.0222	94.0	88.8	76.0-119			5.72	20
trans-1,2-Dichloroethene	0.0250	0.0232	0.0224	92.8	89.7	72.6-121			3.39	20
1,2-Dichloropropane	0.0250	0.0259	0.0247	104	98.6	76.5-119			5.01	20
cis-1,3-Dichloropropene	0.0250	0.0244	0.0231	97.7	92.3	78.2-120			5.72	20
trans-1,3-Dichloropropene	0.0250	0.0250	0.0235	100	94.0	74.3-123			6.25	20
Ethylbenzene	0.0250	0.0260	0.0267	104	107	78.8-122			2.89	20
2-Hexanone	0.125	0.136	0.131	109	105	65.6-144			3.24	20
Isopropylbenzene	0.0250	0.0252	0.0263	101	105	78.6-132			4.54	20
p-Isopropyltoluene	0.0250	0.0259	0.0270	104	108	74.0-131			4.10	20
2-Butanone (MEK)	0.125	0.118	0.102	94.2	81.6	55.0-149			14.4	20
Methylene Chloride	0.0250	0.0255	0.0234	102	93.8	70.3-120			8.44	20
4-Methyl-2-pentanone (MIBK)	0.125	0.125	0.113	100	90.2	70.5-133			10.3	20
Methyl tert-butyl ether	0.0250	0.0245	0.0225	98.1	89.9	71.2-126			8.72	20
Naphthalene	0.0250	0.0242	0.0223	96.8	89.4	68.4-128			7.95	20
n-Propylbenzene	0.0250	0.0258	0.0268	103	107	78.2-122			3.84	20
Styrene	0.0250	0.0272	0.0277	109	111	80.4-126			1.92	20
1,1,1,2-Tetrachloroethane	0.0250	0.0240	0.0242	96.2	96.7	74.2-124			0.560	20
1,1,2,2-Tetrachloroethane	0.0250	0.0281	0.0269	112	107	70.7-122			4.36	20
Tetrachloroethene	0.0250	0.0265	0.0270	106	108	72.6-126			2.00	20
Toluene	0.0250	0.0250	0.0243	100	97.1	79.7-116			2.96	20
1,1,1-Trichloroethane	0.0250	0.0242	0.0235	96.7	94.2	73.2-123			2.61	20
1,1,2-Trichloroethane	0.0250	0.0260	0.0245	104	97.9	77.7-118			6.05	20
Trichloroethene	0.0250	0.0247	0.0236	98.6	94.4	77.7-118			4.38	20
1,2,4-Trimethylbenzene	0.0250	0.0253	0.0264	101	106	75.0-123			4.26	20
1,3,5-Trimethylbenzene	0.0250	0.0263	0.0275	105	110	75.6-124			4.24	20
Vinyl chloride	0.0250	0.0215	0.0205	85.8	82.1	65.9-128			4.40	20
Xylenes, Total	0.0750	0.0791	0.0809	105	108	78.7-121			2.18	20
o-Xylene	0.0250	0.0265	0.0272	106	109	77.6-122			2.26	20
m&p-Xylenes	0.0500	0.0526	0.0537	105	107	78.8-121			2.14	20
(S) Toluene-d8				103	102	88.5-111				
(S) Dibromofluoromethane				90.6	89.6	78.3-121				
(S) 4-Bromofluorobenzene				101	104	71.0-126				

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Cp

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Tc

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Ss

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Cn

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Sr

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Qc

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Gl

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Al

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Sc

L760247-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 04/30/15 16:57 • (MS) 04/30/15 15:36 • (MSD) 04/30/15 15:56

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	0.0235	0.120	0.127	77.6	82.9	1	10.0-130			5.36	27.9
Benzene	0.0250	ND	0.0221	0.0231	88.5	92.3	1	54.3-133			4.27	20
Bromodichloromethane	0.0250	ND	0.0228	0.0245	91.1	98.0	1	63.9-121			7.26	20
Bromoform	0.0250	ND	0.0246	0.0262	98.6	105	1	59.5-134			6.14	20.5
Bromomethane	0.0250	ND	0.0197	0.0217	78.7	86.6	1	41.7-155			9.59	21.9
n-Butylbenzene	0.0250	ND	0.0236	0.0243	94.3	97.1	1	62.7-140			2.91	20.3
sec-Butylbenzene	0.0250	ND	0.0252	0.0260	101	104	1	62.2-136			3.37	20.3
Carbon disulfide	0.0250	ND	0.0226	0.0233	90.3	93.2	1	43.3-149			3.09	20.3
Carbon tetrachloride	0.0250	ND	0.0231	0.0240	92.3	95.8	1	55.7-134			3.77	20
Chlorobenzene	0.0250	ND	0.0247	0.0253	98.9	101	1	67.0-125			2.22	20
Chlorodibromomethane	0.0250	ND	0.0247	0.0261	98.7	104	1	64.3-125			5.70	20.8
Chloroethane	0.0250	ND	0.0210	0.0212	83.9	84.7	1	51.5-136			0.870	40
Chloroform	0.0250	ND	0.0223	0.0237	89.2	94.9	1	63.0-129			6.13	20
Chloromethane	0.0250	ND	0.0198	0.0204	79.0	81.7	1	42.4-135			3.32	20
1,2-Dibromoethane	0.0250	ND	0.0246	0.0256	98.4	103	1	67.1-125			4.07	20
1,1-Dichloroethane	0.0250	ND	0.0222	0.0234	88.7	93.5	1	58.5-132			5.29	20
1,2-Dichloroethane	0.0250	ND	0.0223	0.0233	89.1	93.1	1	60.0-126			4.41	20
1,1-Dichloroethene	0.0250	ND	0.0233	0.0243	93.3	97.2	1	51.1-140			4.05	20.2
cis-1,2-Dichloroethene	0.0250	ND	0.0219	0.0227	87.4	90.9	1	59.2-129			3.93	20
trans-1,2-Dichloroethene	0.0250	ND	0.0219	0.0223	87.7	89.2	1	56.5-129			1.67	20
1,2-Dichloropropane	0.0250	ND	0.0234	0.0248	93.5	99.2	1	64.2-123			5.95	20
cis-1,3-Dichloropropene	0.0250	ND	0.0224	0.0234	89.6	93.6	1	66.4-125			4.38	20
trans-1,3-Dichloropropene	0.0250	ND	0.0235	0.0248	94.0	99.1	1	64.1-128			5.31	20
Ethylbenzene	0.0250	0.000360	0.0254	0.0263	100	104	1	61.4-133			3.55	20
2-Hexanone	0.125	0.00160	0.140	0.144	111	114	1	43.3-137			2.66	25.5
Isopropylbenzene	0.0250	0.00159	0.0261	0.0268	98.0	101	1	66.8-141			2.66	20
p-Isopropyltoluene	0.0250	ND	0.0253	0.0260	101	104	1	63.2-139			2.66	20.4
2-Butanone (MEK)	0.125	0.00237	0.117	0.127	91.3	99.7	1	22.4-138			8.55	27
Methylene Chloride	0.0250	ND	0.0227	0.0238	90.9	95.2	1	58.1-122			4.63	20
4-Methyl-2-pentanone (MIBK)	0.125	0.00174	0.131	0.140	104	111	1	60.8-140			6.51	25.1
Methyl tert-butyl ether	0.0250	ND	0.0234	0.0243	93.8	97.3	1	57.7-134			3.65	20
Naphthalene	0.0250	ND	0.0240	0.0253	95.9	101	1	58.0-135			5.57	25.5
n-Propylbenzene	0.0250	0.000534	0.0253	0.0258	98.9	101	1	65.9-131			2.12	20
Styrene	0.0250	ND	0.0254	0.0260	102	104	1	66.8-133			2.18	20
1,1,1,2-Tetrachloroethane	0.0250	ND	0.0228	0.0232	91.2	92.9	1	64.0-128			1.80	20
1,1,2,2-Tetrachloroethane	0.0250	ND	0.0297	0.0312	119	125	1	56.0-132			5.07	22.2

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Cp

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Tc

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Ss

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Cn

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Sr

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Qc

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Gl

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Al

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Sc

L760247-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 04/30/15 16:57 • (MS) 04/30/15 15:36 • (MSD) 04/30/15 15:56

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Tetrachloroethene	0.0250	ND	0.0253	0.0256	101	102	1	53.0-139			1.23	20
Toluene	0.0250	0.000401	0.0232	0.0247	91.2	97.2	1	61.4-130			6.29	20
1,1,1-Trichloroethane	0.0250	ND	0.0233	0.0240	93.1	96.1	1	58.7-134			3.14	20
1,1,2-Trichloroethane	0.0250	0.000301	0.0248	0.0258	98.0	102	1	66.3-125			4.11	20
Trichloroethene	0.0250	ND	0.0233	0.0243	93.2	97.0	1	44.1-149			3.98	20
1,2,4-Trimethylbenzene	0.0250	ND	0.0240	0.0246	95.9	98.4	1	57.4-137			2.57	20
1,3,5-Trimethylbenzene	0.0250	ND	0.0250	0.0259	100	104	1	63.6-132			3.60	20.5
Vinyl chloride	0.0250	ND	0.0204	0.0211	81.6	84.3	1	47.8-137			3.14	20
Xylenes, Total	0.0750	0.000607	0.0754	0.0772	99.7	102	1	63.3-131			2.36	20
o-Xylene	0.0250	0.000607	0.0254	0.0262	99.3	102	1	63.3-130			2.86	20
m&p-Xylenes	0.0500	0.000361	0.0500	0.0511	99.3	101	1	61.7-133			2.10	20
(S) Toluene-d8					103	104		88.5-111				
(S) Dibromofluoromethane					92.3	92.2		78.3-121				
(S) 4-Bromofluorobenzene					103	101		71.0-126				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc



Method Blank (MB)

(MB) 04/23/15 09:41

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) High Fraction	0.0517		0.0247	0.100
(S) o-Terphenyl	98.3			50.0-150

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

(LCS) 04/23/15 09:59 • (LCSD) 04/23/15 10:16

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) High Fraction	1.50	1.55	1.54	103	103	50.0-150			0.570	20
(S) o-Terphenyl				104	102	50.0-150				



Abbreviations and Definitions

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

Qualifier Description

4	The sample concentration was greater than 4 times the spike value.
*	LCS/LCSD recovery outside the control limit or RPD value outside the control limit.
B	Compound was found in the associated method blank as well as the sample.
F	The MS/MSD recovery outside the control limit.
H	Outside holding time.
J	Estimated value.

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		

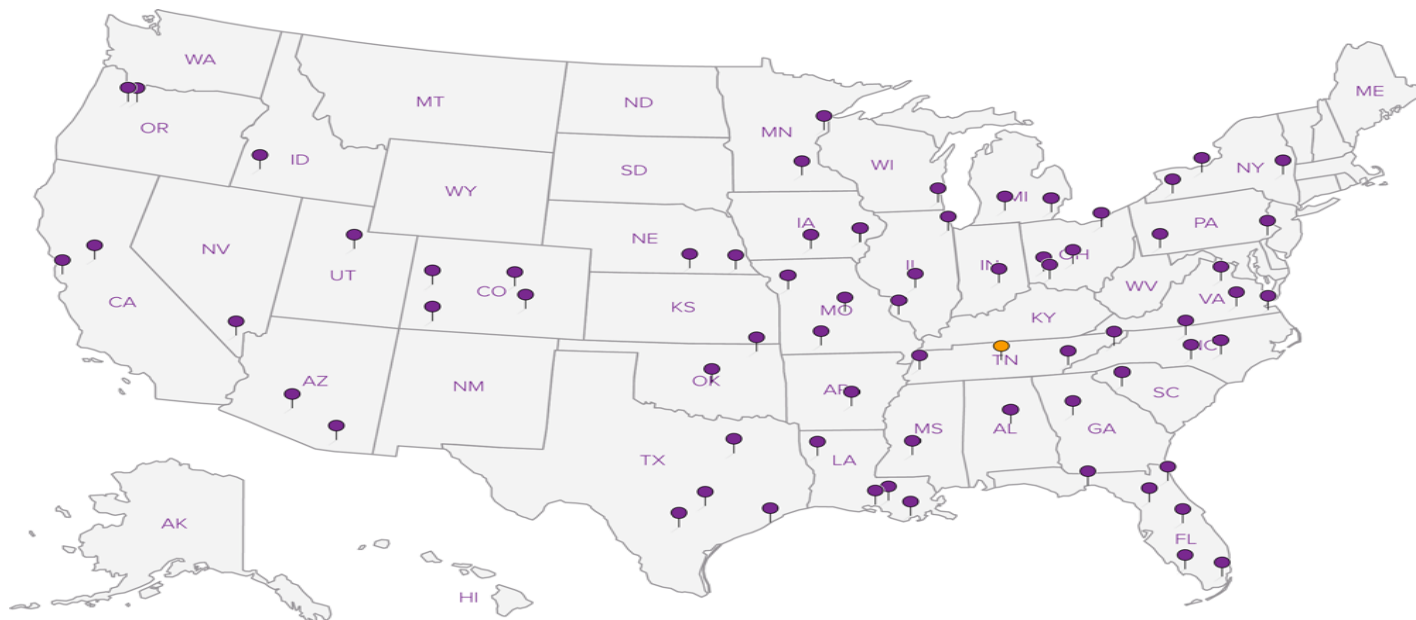
¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold ^{n/a} Accreditation not applicable

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.**



1

ARCADIS, Inc. 2929 Briarpark Drive, Suite 300 Houston, TX 77042				Billing Information:				Analysis / Container / Preservative												Chain of Custody Page <u>23</u> of <u>34</u>	
				Report to: Pam Krueger Project Navajo Refining Company				Email To: pam.krueger@arcadis-us.com; maisha.turner@arcadis-us.com; melissa.osborne@arcadis-us.com				DRO 8015 GRO 8015 Volatiles 8260 (Extended List) Total Metals: As, Ba, Cr, Fe, Pb, Mn, Se <u>22</u> Total Metals: As, Ba, Cr, Fe, Pb, Mn, Ni, Se, V, Hg <u>22</u> Dis Metals: (FFiltered) As, Ba, Cr, Fe, Pb, Mn, Se <u>22</u> Dis Metals: (FFiltered) As, Ba, Cr, Fe, Pb, Mn, Ni, Se, V <u>22</u> Cyanide <u>712</u> Anions: Chloride, Fluoride, Sulfate Cations: Ca, K, Na (from Total Metals container) NO2/NO3 <u>22</u> TDS  L.A.B S.C.I.E.N.C.E.S YOUR LAB OF CHOICE 12065 Lebanon Rd Mount Juliet, TN 37122 Phone: 615-758-5858 Phone: 800-767-5859 Fax: 615-758-5859 L# <u>L760276</u> Table # Acctnum: ARCADHTX Template: T101460 Prelogin: TSR: Pam Langford PB: Shipped Via:									
City/State Artesia, NM Collected:				Lab Project # ARCADHTX- NAVAJO FULL																	
Phone: 713-953-4816 Fax: 713-977-4620		REST TX000836.0007.15006 <u>36</u>		Site/Facility ID #		P.O. #															
Collected by (print): <u>Greg Scherbenske +Hm</u>		Rush? (Lab MUST Be Notified) Next Day100% Two Day50% Three Day25%		Date Results Needed		Email? ☐ No ☐ Yes FAX? ☐ No ☐ Yes		No. of Cntr													
Immediately Iced? N ☐ Y ☒																					
Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	Cntr															
KWB-12A	G	GW		4/16/15	1305	13	✓	✓	✓		✓		✓	✓	✓	✓	✓	✓	✓		
KWB-12B	↓	↓			1440	13	✓	✓	✓		✓		✓	✓	✓	✓	✓	✓	✓		
KWB-2R	↓	↓			1650	10	✓		✓	✓		✓		✓	✓	✓	✓	✓	✓		
MW-58	↓	↓			1750	11	✓		✓		✓		✓	✓	✓	✓	✓	✓	✓		
KWB-13	↓	↓		4/17/15	1030	11	✓		✓		✓		✓	✓	✓	✓	✓	✓	✓		
NP-5	↓	↓		4/16/15	1555	10	✓		✓	✓		✓		✓	✓	✓	✓	✓	✓		

* Matrix: SS - Soil GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other _____				pH _____ Temp _____ Flow _____ Other _____		Hold #	
Remarks:							
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Samples returned via: ☐ UPS ☒ FedEx ☐ Courier ☐ _____		Condition: (lab use only)	
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: _____ °C <u>54</u>		COC Seal Intact: ☒ Y ☐ N ☐ NA	
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: <u>4/18/15</u> <u>0900</u>		pH Checked: <u>22</u> <u>712</u> NCF:	