GW – 028

2015 AGWMR

PART 6 OF 25

03 / 2016

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 Collected: Artesia, NM

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

REST TX000836.0007.15008 (8 / SW)

Lab Project # ARCADHTX-NAVAJO FULL

Collected by (print): Bryan Bayles + HmI

Site/Facility ID #

P.O. #

Collected by (signature): Scott Ude

Immediately Iced? N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Next Day 100%
___ Two Day 50%
___ Three Day 25%

Date Results Needed

Email? ___No ___Yes
FAX? ___No ___Yes

Analysis / Container / Preservative

Chain of Custody Page 17 of 34

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

L# L760276

Table #

Acctnum: ARCADHTX

Template: T101497

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 12	Total Metals: As, Ba, Cr, Fe, Pb, Mn, Ni, Se, V, Hg	Dis Metals: (FFiltered) As, Ba, Cr, Fe, Pb, Mn, Se 12	Dis Metals: (FFiltered) As, Ba, Cr, Fe, Pb, Mn, Ni, Se,V 2	Cyanide 2/2	Anions: Chloride, Fluoride, Sulfate	Cations: Ca, K, Na (from Total Metals container) 12	NO2 / NO3 12	TDS	Remarks/Comments	Sample # (lab only)
DUP-REST-01	G	GW		4/17/15	1200	12	✓	✓	✓	✓		✓			✓	✓	✓	✓		-12
DUP-REST-03				4/17/15	1000	12	✓	✓	✓	✓		✓			✓	✓	✓	✓		-13
EB-REST-01				4/17/15	950	12	✓	✓	✓	✓		✓			✓	✓	✓	✓		-14
EB-REST-03				4/17/15	1355	12	✓	✓	✓	✓		✓			✓	✓	✓	✓		-15
Trip Blank-REST-01	↓	↓		4/17/15	—	1			✓											-16

* 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)
Scott Ude	4/17/15	1600	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)

Samples returned via: ☐ UPS ☑ FedEx ☐ Courier ☐ ___

Temp: 3.4 °C 194

Date: 4/18/15 0900

Condition: (lab use only) (UN) MJ

COC Seal Intact: ___Y ___N ___NA

pH Checked: 12 712

NCF:

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 Collected: Artesia, NM

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

REST TX000836.0007.15008 (8, 34)

Lab Project # ARCADHTX-NAVAJO FULL

Collected by (print): Greg Scherbenske +1 MI

Site/Facility ID #

P.O. #

Collected by (signature): Scott Ude

Immediately Iced? N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Next Day 100%
___ Two Day 50%
___ Three Day 25%

Date Results Needed

Email? ___No ___Yes
FAX? ___No ___Yes

Analysis / Container / Preservative

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 (2)	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 (7/2)	Anions: Chloride, Fluoride, Sulfate	Cations: Ca, K, Na (from Total Metals container)	NO2 / NO3 (2)	TDS	Remarks/Comments	Sample # (lab only)
DUP-REST-05	G	GW		4/16/15	1200	13	✓	✓	✓		✓		✓	✓	✓	✓	✓	✓		-17
EB-REST-05	↓	↓		4/16/15	1320	13	✓	✓	✓		✓		✓	✓	✓	✓	✓	✓		-18
Trip Blank-REST-02	↓	↓		4/16/15	—	1			✓											-19

Chain of Custody Page 34 of 34

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

L# L760276

Table #

Acctnum: ARCADHTX
Template: T101460
Prelogin:
TSR: Pam Langford
PB:
Shipped Via:

* 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)
Scott Ude	4/17/15	1600	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)

Samples returned via: ☐ UPS ☑ FedEx ☐ Courier ☐ ____

Temp: 3.4 °C 1.94

Date: 4/18/15 Time: 0900

Condition: (lab use only) (NW) M

COC Seal Intact: ___Y ___N ___NA

pH Checked: 2, 12 NCF:

ANALYTICAL REPORT

November 09, 2015

ARCADIS US - TX

Sample Delivery Group:	L760280
Samples Received:	04/18/2015
Project Number:	TX000836.0007.15006
Description:	Navajo Refining Company - Artesia, NM
Site:	NCL
Report To:	Pam Krueger 2929 Briarpark Dr., Suite 300 Houston, TX 77042

Entire Report Reviewed By:

Pam Langford
Technical Service Representative

MW-108 L760280-01 GW

Collected by: CH/TB
Collected date/time: 04/16/15 08:45
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	WG784001	1	04/24/15 16:33	04/27/15 09:13	JG
Metals (ICPMS) by Method 6020	WG783160	1	04/29/15 07:52	04/29/15 20:48	VSS
Metals (ICPMS) by Method 6020	WG784095	1	04/28/15 13:04	04/28/15 20:10	VSS
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG783646	1	04/21/15 17:44	04/24/15 02:22	JNS
Volatile Organic Compounds (GC/MS) by Method 8260B	WG785102	10	04/30/15 01:37	04/30/15 01:37	ACG
Wet Chemistry by Method 353.2	WG786250	20	05/04/15 10:59	05/04/15 10:59	JAL
Wet Chemistry by Method 9056MOD	WG784968	1	04/29/15 12:14	04/29/15 12:14	NJM
Wet Chemistry by Method 9056MOD	WG784968	50	04/29/15 18:29	04/29/15 18:29	NJM

NCL-31 L760280-02 GW

Collected by: CH/TB
Collected date/time: 04/16/15 10:05
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	04/27/15 09:17	JG
Metals (ICPMS) by Method 6020	WG783160	1	04/29/15 07:52	04/29/15 20:50	VSS
Metals (ICPMS) by Method 6020	WG784095	1	04/28/15 13:04	04/28/15 20:13	VSS
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG783646	1	04/21/15 17:44	04/23/15 20:14	JNS
Volatile Organic Compounds (GC/MS) by Method 8260B	WG783753	1	04/24/15 10:02	04/24/15 10:02	ACG
Wet Chemistry by Method 353.2	WG786250	10	05/04/15 11:00	05/04/15 11:00	JAL
Wet Chemistry by Method 9056MOD	WG784968	1	04/29/15 12:30	04/29/15 12:30	NJM
Wet Chemistry by Method 9056MOD	WG784968	50	04/29/15 18:45	04/29/15 18:45	NJM

MW-55 L760280-03 GW

Collected by: CH/TB
Collected date/time: 04/16/15 11:30
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	04/27/15 09:16	JG
Mercury by Method 7470A	WG783354	1	04/21/15 01:24	04/21/15 12:48	CHM
Metals (ICPMS) by Method 6020	WG783160	1	04/29/15 07:52	04/29/15 20:52	VSS
Metals (ICPMS) by Method 6020	WG783160	5	04/29/15 07:52	04/29/15 22:13	VSS
Metals (ICPMS) by Method 6020	WG784095	1	04/28/15 13:04	04/28/15 20:15	VSS
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG783646	1	04/21/15 17:44	04/23/15 20:31	JNS
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG783232	1	04/21/15 18:04	04/21/15 18:04	BMB
Volatile Organic Compounds (GC/MS) by Method 8260B	WG783753	1	04/24/15 10:23	04/24/15 10:23	ACG
Wet Chemistry by Method 353.2	WG786250	5	05/04/15 11:28	05/04/15 11:28	JAL
Wet Chemistry by Method 9012B	WG784739	1	04/30/15 08:14	04/30/15 13:21	ASK
Wet Chemistry by Method 9056MOD	WG784968	1	04/29/15 12:45	04/29/15 12:45	NJM
Wet Chemistry by Method 9056MOD	WG784968	100	04/29/15 19:00	04/29/15 19:00	NJM

MW-18 L760280-04 GW

Collected by: CH/TB
Collected date/time: 04/16/15 13:25
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	WG784001	1	04/24/15 16:33	04/27/15 09:14	JG
Mercury by Method 7470A	WG783354	1	04/21/15 01:24	04/21/15 12:50	CHM
Metals (ICPMS) by Method 6020	WG783160	1	04/29/15 07:52	04/29/15 20:54	VSS
Metals (ICPMS) by Method 6020	WG784095	1	04/28/15 13:04	04/28/15 20:17	VSS
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG783646	1	04/21/15 17:44	04/23/15 20:49	JNS
Volatile Organic Compounds (GC/MS) by Method 8260B	WG785102	1	04/30/15 01:56	04/30/15 01:56	ACG
Wet Chemistry by Method 353.2	WG786250	5	05/04/15 11:29	05/04/15 11:29	JAL
Wet Chemistry by Method 9012B	WG784739	1	04/30/15 08:14	04/30/15 13:22	ASK
Wet Chemistry by Method 9056MOD	WG784968	100	04/29/15 19:46	04/29/15 19:46	NJM
Wet Chemistry by Method 9056MOD	WG785654	1	05/05/15 14:31	05/05/15 14:31	NJM

MW-54A L760280-05 GW

Collected by: CH/TB
Collected date/time: 04/16/15 14:35
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	WG784001	1	04/24/15 16:33	04/27/15 09:12	JG
Metals (ICPMS) by Method 6020	WG783160	1	04/29/15 07:52	04/29/15 20:57	VSS
Metals (ICPMS) by Method 6020	WG784095	1	04/28/15 13:04	04/28/15 20:19	VSS
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG783646	1	04/21/15 17:44	04/23/15 21:41	JNS
Volatile Organic Compounds (GC/MS) by Method 8260B	WG783753	1	04/24/15 11:08	04/24/15 11:08	ACG
Wet Chemistry by Method 353.2	WG786250	1	05/04/15 11:04	05/04/15 11:04	JAL
Wet Chemistry by Method 9056MOD	WG784968	20	04/29/15 20:02	04/29/15 20:02	NJM
Wet Chemistry by Method 9056MOD	WG785654	1	05/05/15 15:12	05/05/15 15:12	NJM

MW-54B L760280-06 GW

Collected by: CH/TB
Collected date/time: 04/16/15 15:20
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 09:16	JG
Metals (ICPMS) by Method 6020	WG783160	1	04/29/15 07:52	04/29/15 20:59	VSS
Metals (ICPMS) by Method 6020	WG784095	1	04/28/15 13:04	04/28/15 20:22	VSS
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG783646	1	04/21/15 17:44	04/23/15 21:06	JNS
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG783232	1	04/21/15 20:13	04/21/15 20:13	BMB
Volatile Organic Compounds (GC/MS) by Method 8260B	WG783753	1	04/24/15 11:29	04/24/15 11:29	ACG
Wet Chemistry by Method 353.2	WG786250	1	05/04/15 11:05	05/04/15 11:05	JAL
Wet Chemistry by Method 9056MOD	WG784968	20	04/29/15 20:17	04/29/15 20:17	NJM
Wet Chemistry by Method 9056MOD	WG785654	1	05/05/15 15:26	05/05/15 15:26	NJM

NCL-49 L760280-07 GW

Collected by: CH/TB
Collected date/time: 04/16/15 16:15
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	04/27/15 09:13	JG
Metals (ICPMS) by Method 6020	WG783160	1	04/29/15 07:52	04/29/15 21:01	VSS
Metals (ICPMS) by Method 6020	WG784095	1	04/28/15 13:04	04/28/15 20:24	VSS
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG783646	1	04/21/15 17:44	04/23/15 21:23	JNS
Volatile Organic Compounds (GC/MS) by Method 8260B	WG783753	1	04/24/15 11:50	04/24/15 11:50	ACG
Wet Chemistry by Method 353.2	WG786250	1	05/04/15 11:06	05/04/15 11:06	JAL
Wet Chemistry by Method 9056MOD	WG784968	100	04/29/15 20:33	04/29/15 20:33	NJM
Wet Chemistry by Method 9056MOD	WG785654	1	05/05/15 17:34	05/05/15 17:34	NJM

MW-53 L760280-08 GW

Collected by: CH/TB
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	WG784001	1	04/24/15 16:33	04/27/15 09:17	JG
Metals (ICPMS) by Method 6020	WG783160	1	04/29/15 07:52	04/29/15 21:03	VSS
Metals (ICPMS) by Method 6020	WG784095	1	04/28/15 13:04	04/28/15 21:01	VSS
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG783646	1	04/21/15 17:44	04/23/15 21:58	JNS
Volatile Organic Compounds (GC/MS) by Method 8260B	WG783753	1	04/24/15 12:10	04/24/15 12:10	ACG
Wet Chemistry by Method 353.2	WG786250	5	05/04/15 11:30	05/04/15 11:30	JAL
Wet Chemistry by Method 9056MOD	WG784968	100	04/29/15 21:19	04/29/15 21:19	NJM
Wet Chemistry by Method 9056MOD	WG786915	5	05/06/15 07:57	05/06/15 07:57	NJM

MW-56 L760280-09 GW

Collected by: CH/TB | Collected date/time: 04/17/15 11:20 | 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	WG784341	1	04/24/15 12:37	04/27/15 08:45	JG
Metals (ICPMS) by Method 6020	WG783160	1	04/29/15 07:52	04/29/15 21:06	VSS
Metals (ICPMS) by Method 6020	WG784095	1	04/28/15 13:04	04/28/15 21:04	VSS
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG783646	1	04/21/15 17:44	04/23/15 22:15	JNS
Volatile Organic Compounds (GC/MS) by Method 8260B	WG783753	1	04/24/15 12:31	04/24/15 12:31	ACG
Wet Chemistry by Method 353.2	WG786250	1	05/04/15 11:12	05/04/15 11:12	JAL
Wet Chemistry by Method 9056MOD	WG784968	100	04/29/15 21:34	04/29/15 21:34	NJM
Wet Chemistry by Method 9056MOD	WG786915	5	05/06/15 08:11	05/06/15 08:11	NJM

MW-45 L760280-10 GW

Collected by: CH/TB | Collected date/time: 04/17/15 11:15 | 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	WG784341	1	04/24/15 12:37	04/27/15 08:42	JG
Mercury by Method 7470A	WG783354	1	04/21/15 01:24	04/21/15 12:58	CHM
Metals (ICPMS) by Method 6020	WG783160	1	04/29/15 07:52	04/29/15 21:08	VSS
Metals (ICPMS) by Method 6020	WG783160	5	04/29/15 07:52	04/29/15 22:15	VSS
Metals (ICPMS) by Method 6020	WG784095	1	04/28/15 13:04	04/28/15 21:06	VSS
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG783646	1	04/21/15 17:44	04/23/15 22:33	JNS
Volatile Organic Compounds (GC/MS) by Method 8260B	WG783753	1	04/24/15 12:52	04/24/15 12:52	ACG
Wet Chemistry by Method 353.2	WG786250	1	05/04/15 11:14	05/04/15 11:14	JAL
Wet Chemistry by Method 9012B	WG786101	1	05/01/15 10:56	05/01/15 14:50	CSU
Wet Chemistry by Method 9056MOD	WG784968	100	04/29/15 21:50	04/29/15 21:50	NJM
Wet Chemistry by Method 9056MOD	WG786915	5	05/06/15 08:26	05/06/15 08:26	NJM

DUP-NCL-01 L760280-11 GW

Collected by: CH/TB | Collected date/time: 04/16/15 10:05 | 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	04/27/15 09:15	JG
Metals (ICPMS) by Method 6020	WG783160	1	04/29/15 07:52	04/29/15 21:37	VSS
Metals (ICPMS) by Method 6020	WG784095	1	04/28/15 13:04	04/28/15 21:08	VSS
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG783646	1	04/21/15 17:44	04/23/15 22:50	JNS
Volatile Organic Compounds (GC/MS) by Method 8260B	WG783753	1	04/24/15 09:18	04/24/15 09:18	ACG
Wet Chemistry by Method 353.2	WG786250	1	05/04/15 11:15	05/04/15 11:15	JAL
Wet Chemistry by Method 9056MOD	WG784968	50	04/29/15 22:05	04/29/15 22:05	NJM
Wet Chemistry by Method 9056MOD	WG786915	5	05/06/15 09:17	05/06/15 09:17	NJM

TRIPBLANK-NCL-01 L760280-12 GW

Collected by: CH/TB | Collected date/time: 04/16/15 10:05 | 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	WG785315	1	04/30/15 15:47	04/30/15 15:47	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

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	2540000	H	2800	10000	1	04/27/2015 09:13	WG784001

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	05/04/2015 10:59	WG786250

Wet Chemistry by Method 9056MOD

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	78800		52.0	1000	1	04/29/2015 12:14	WG784968
Fluoride	2520		9.90	100	1	04/29/2015 12:14	WG784968
Sulfate	962000		3900	250000	50	04/29/2015 18:29	WG784968

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic	4.62		0.250	2.00	1	04/29/2015 20:48	WG783160
Arsenic,Dissolved	3.43		0.250	2.00	1	04/28/2015 20:10	WG784095
Barium	38.7		0.360	5.00	1	04/29/2015 20:48	WG783160
Barium,Dissolved	29.9		0.360	5.00	1	04/28/2015 20:10	WG784095
Calcium	289000		46.0	1000	1	04/29/2015 20:48	WG783160
Chromium	2.59	B	0.540	2.00	1	04/29/2015 20:48	WG783160
Chromium,Dissolved	2.23		0.540	2.00	1	04/28/2015 20:10	WG784095
Iron	41.1	B J	15.0	100	1	04/29/2015 20:48	WG783160
Iron,Dissolved	U		15.0	100	1	04/28/2015 20:10	WG784095
Lead	1.55	J	0.240	2.00	1	04/29/2015 20:48	WG783160
Lead,Dissolved	1.05	J	0.240	2.00	1	04/28/2015 20:10	WG784095
Manganese	25.6		0.250	5.00	1	04/29/2015 20:48	WG783160
Manganese,Dissolved	22.4		0.250	5.00	1	04/28/2015 20:10	WG784095
Potassium	1500		37.0	1000	1	04/29/2015 20:48	WG783160
Selenium	U		0.380	2.00	1	04/29/2015 20:48	WG783160
Selenium,Dissolved	18.4		0.380	2.00	1	04/28/2015 20:10	WG784095
Sodium	76800		110	1000	1	04/29/2015 20:48	WG783160

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 01:37	WG785102
Benzene	423		3.30	10.0	10	04/30/2015 01:37	WG785102
Bromodichloromethane	U		3.80	10.0	10	04/30/2015 01:37	WG785102
Bromoform	U		4.70	10.0	10	04/30/2015 01:37	WG785102
Bromomethane	U		8.70	50.0	10	04/30/2015 01:37	WG785102
n-Butylbenzene	U		3.60	10.0	10	04/30/2015 01:37	WG785102
sec-Butylbenzene	5.65	J	3.60	10.0	10	04/30/2015 01:37	WG785102
Carbon disulfide	31.7		2.80	10.0	10	04/30/2015 01:37	WG785102
Carbon tetrachloride	U		3.80	10.0	10	04/30/2015 01:37	WG785102
Chlorobenzene	U		3.50	10.0	10	04/30/2015 01:37	WG785102
Chlorodibromomethane	U		3.30	10.0	10	04/30/2015 01:37	WG785102
Chloroethane	U		4.50	50.0	10	04/30/2015 01:37	WG785102
Chloroform	U		3.20	50.0	10	04/30/2015 01:37	WG785102
Chloromethane	U		2.80	25.0	10	04/30/2015 01:37	WG785102
1,2-Dibromoethane	U		3.80	10.0	10	04/30/2015 01:37	WG785102
1,1-Dichloroethane	U		2.60	10.0	10	04/30/2015 01:37	WG785102

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,2-Dichloroethane	U		3.60	10.0	10	04/30/2015 01:37	WG785102
1,1-Dichloroethene	U		4.00	10.0	10	04/30/2015 01:37	WG785102
cis-1,2-Dichloroethene	U		2.60	10.0	10	04/30/2015 01:37	WG785102
trans-1,2-Dichloroethene	U		4.00	10.0	10	04/30/2015 01:37	WG785102
1,2-Dichloropropane	U		3.10	10.0	10	04/30/2015 01:37	WG785102
cis-1,3-Dichloropropene	U		4.20	10.0	10	04/30/2015 01:37	WG785102
trans-1,3-Dichloropropene	U		4.20	10.0	10	04/30/2015 01:37	WG785102
Ethylbenzene	10.1		3.80	10.0	10	04/30/2015 01:37	WG785102
Isopropylbenzene	33.0		3.30	10.0	10	04/30/2015 01:37	WG785102
p-Isopropyltoluene	U		3.50	10.0	10	04/30/2015 01:37	WG785102
2-Butanone (MEK)	U		39.0	100	10	04/30/2015 01:37	WG785102
2-Hexanone	U		38.0	100	10	04/30/2015 01:37	WG785102
Methylene Chloride	U		10.0	50.0	10	04/30/2015 01:37	WG785102
4-Methyl-2-pentanone (MIBK)	U		21.0	100	10	04/30/2015 01:37	WG785102
Methyl tert-butyl ether	U		3.70	10.0	10	04/30/2015 01:37	WG785102
Naphthalene	11.3	J	10.0	50.0	10	04/30/2015 01:37	WG785102
n-Propylbenzene	31.1		3.50	10.0	10	04/30/2015 01:37	WG785102
Styrene	U		3.10	10.0	10	04/30/2015 01:37	WG785102
1,1,1,2-Tetrachloroethane	U		3.80	10.0	10	04/30/2015 01:37	WG785102
1,1,2,2-Tetrachloroethane	U		1.30	10.0	10	04/30/2015 01:37	WG785102
Tetrachloroethene	U		3.70	10.0	10	04/30/2015 01:37	WG785102
Toluene	9.56	J	7.80	50.0	10	04/30/2015 01:37	WG785102
1,1,1-Trichloroethane	U		3.19	10.0	10	04/30/2015 01:37	WG785102
1,1,2-Trichloroethane	U		3.80	10.0	10	04/30/2015 01:37	WG785102
Trichloroethene	U		4.00	10.0	10	04/30/2015 01:37	WG785102
1,2,4-Trimethylbenzene	46.5		3.70	10.0	10	04/30/2015 01:37	WG785102
1,3,5-Trimethylbenzene	6.03	J	3.90	10.0	10	04/30/2015 01:37	WG785102
Vinyl chloride	U		2.60	10.0	10	04/30/2015 01:37	WG785102
o-Xylene	4.12	J	3.40	10.0	10	04/30/2015 01:37	WG785102
m&p-Xylene	66.5		7.20	10.0	10	04/30/2015 01:37	WG785102
Xylenes, Total	70.6		11.0	30.0	10	04/30/2015 01:37	WG785102
(S) Toluene-d8	*107*			*88.5-111*		*04/30/2015 01:37*	WG785102
(S) Dibromofluoromethane	*104*			*78.3-121*		*04/30/2015 01:37*	WG785102
(S) 4-Bromofluorobenzene	*105*			*71.0-126*		*04/30/2015 01:37*	WG785102

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	9030		25.0	100	1	04/24/2015 02:22	WG783646
(S) o-Terphenyl	*142*			*50.0-150*		*04/24/2015 02:22*	WG783646

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	2670000	H	2800	10000	1	04/27/2015 09:17	WG784001

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	05/04/2015 11:00	WG786250

Wet Chemistry by Method 9056MOD

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	89500		52.0	1000	1	04/29/2015 12:30	WG784968
Fluoride	1250		9.90	100	1	04/29/2015 12:30	WG784968
Sulfate	1240000		3900	250000	50	04/29/2015 18:45	WG784968

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic	8.47		0.250	2.00	1	04/29/2015 20:50	WG783160
Arsenic,Dissolved	9.08		0.250	2.00	1	04/28/2015 20:13	WG784095
Barium	22.4		0.360	5.00	1	04/29/2015 20:50	WG783160
Barium,Dissolved	14.1		0.360	5.00	1	04/28/2015 20:13	WG784095
Calcium	266000		46.0	1000	1	04/29/2015 20:50	WG783160
Chromium	0.989	B J	0.540	2.00	1	04/29/2015 20:50	WG783160
Chromium,Dissolved	U		0.540	2.00	1	04/28/2015 20:13	WG784095
Iron	834	B	15.0	100	1	04/29/2015 20:50	WG783160
Iron,Dissolved	731		15.0	100	1	04/28/2015 20:13	WG784095
Lead	0.803	J	0.240	2.00	1	04/29/2015 20:50	WG783160
Lead,Dissolved	0.439	J	0.240	2.00	1	04/28/2015 20:13	WG784095
Manganese	1700		0.250	5.00	1	04/29/2015 20:50	WG783160
Manganese,Dissolved	1590		0.250	5.00	1	04/28/2015 20:13	WG784095
Potassium	220	J	37.0	1000	1	04/29/2015 20:50	WG783160
Selenium	U		0.380	2.00	1	04/29/2015 20:50	WG783160
Selenium,Dissolved	3.11		0.380	2.00	1	04/28/2015 20:13	WG784095
Sodium	100000		110	1000	1	04/29/2015 20:50	WG783160

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 10:02	WG783753
Benzene	U		0.330	1.00	1	04/24/2015 10:02	WG783753
Bromodichloromethane	U		0.380	1.00	1	04/24/2015 10:02	WG783753
Bromoform	U		0.470	1.00	1	04/24/2015 10:02	WG783753
Bromomethane	U		0.870	5.00	1	04/24/2015 10:02	WG783753
n-Butylbenzene	U		0.360	1.00	1	04/24/2015 10:02	WG783753
sec-Butylbenzene	0.683	J	0.360	1.00	1	04/24/2015 10:02	WG783753
Carbon disulfide	U		0.280	1.00	1	04/24/2015 10:02	WG783753
Carbon tetrachloride	U		0.380	1.00	1	04/24/2015 10:02	WG783753
Chlorobenzene	U		0.350	1.00	1	04/24/2015 10:02	WG783753
Chlorodibromomethane	U		0.330	1.00	1	04/24/2015 10:02	WG783753
Chloroethane	U		0.450	5.00	1	04/24/2015 10:02	WG783753
Chloroform	U		0.320	5.00	1	04/24/2015 10:02	WG783753
Chloromethane	U		0.280	2.50	1	04/24/2015 10:02	WG783753
1,2-Dibromoethane	U		0.380	1.00	1	04/24/2015 10:02	WG783753
1,1-Dichloroethane	U		0.260	1.00	1	04/24/2015 10:02	WG783753

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,2-Dichloroethane	U		0.360	1.00	1	04/24/2015 10:02	WG783753
1,1-Dichloroethene	U		0.400	1.00	1	04/24/2015 10:02	WG783753
cis-1,2-Dichloroethene	U		0.260	1.00	1	04/24/2015 10:02	WG783753
trans-1,2-Dichloroethene	U		0.400	1.00	1	04/24/2015 10:02	WG783753
1,2-Dichloropropane	U		0.310	1.00	1	04/24/2015 10:02	WG783753
cis-1,3-Dichloropropene	U		0.420	1.00	1	04/24/2015 10:02	WG783753
trans-1,3-Dichloropropene	U		0.420	1.00	1	04/24/2015 10:02	WG783753
Ethylbenzene	U		0.380	1.00	1	04/24/2015 10:02	WG783753
Isopropylbenzene	0.622	J	0.330	1.00	1	04/24/2015 10:02	WG783753
p-Isopropyltoluene	U		0.350	1.00	1	04/24/2015 10:02	WG783753
2-Butanone (MEK)	U		3.90	10.0	1	04/24/2015 10:02	WG783753
2-Hexanone	U		3.80	10.0	1	04/24/2015 10:02	WG783753
Methylene Chloride	U		1.00	5.00	1	04/24/2015 10:02	WG783753
4-Methyl-2-pentanone (MIBK)	U		2.10	10.0	1	04/24/2015 10:02	WG783753
Methyl tert-butyl ether	0.497	J	0.370	1.00	1	04/24/2015 10:02	WG783753
Naphthalene	U		1.00	5.00	1	04/24/2015 10:02	WG783753
n-Propylbenzene	U		0.350	1.00	1	04/24/2015 10:02	WG783753
Styrene	U		0.310	1.00	1	04/24/2015 10:02	WG783753
1,1,1,2-Tetrachloroethane	U		0.380	1.00	1	04/24/2015 10:02	WG783753
1,1,2,2-Tetrachloroethane	U		0.130	1.00	1	04/24/2015 10:02	WG783753
Tetrachloroethene	U		0.370	1.00	1	04/24/2015 10:02	WG783753
Toluene	U		0.780	5.00	1	04/24/2015 10:02	WG783753
1,1,1-Trichloroethane	U		0.319	1.00	1	04/24/2015 10:02	WG783753
1,1,2-Trichloroethane	U		0.380	1.00	1	04/24/2015 10:02	WG783753
Trichloroethene	U		0.400	1.00	1	04/24/2015 10:02	WG783753
1,2,4-Trimethylbenzene	U		0.370	1.00	1	04/24/2015 10:02	WG783753
1,3,5-Trimethylbenzene	U		0.390	1.00	1	04/24/2015 10:02	WG783753
Vinyl chloride	U		0.260	1.00	1	04/24/2015 10:02	WG783753
o-Xylene	U		0.340	1.00	1	04/24/2015 10:02	WG783753
m&p-Xylene	U		0.720	1.00	1	04/24/2015 10:02	WG783753
Xylenes, Total	U		1.10	3.00	1	04/24/2015 10:02	WG783753
(S) Toluene-d8	*103*			*88.5-111*		*04/24/2015 10:02*	WG783753
(S) Dibromofluoromethane	*106*			*78.3-121*		*04/24/2015 10:02*	WG783753
(S) 4-Bromofluorobenzene	*93.1*			*71.0-126*		*04/24/2015 10:02*	WG783753

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	2380		25.0	100	1	04/23/2015 20:14	WG783646
(S) o-Terphenyl	*108*			*50.0-150*		*04/23/2015 20:14*	WG783646

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	4910000	H	2800	10000	1	04/27/2015 09:16	WG784001

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Nitrate-Nitrite	15500		98.0	500	5	05/04/2015 11:28	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 13:21	WG784739

Wet Chemistry by Method 9056MOD

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	266000		5200	100000	100	04/29/2015 19:00	WG784968
Fluoride	1880	F	9.90	100	1	04/29/2015 12:45	WG784968
Sulfate	2940000		7700	500000	100	04/29/2015 19:00	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 12:48	WG783354

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic	4.57		0.250	2.00	1	04/29/2015 20:52	WG783160
Arsenic,Dissolved	4.52		0.250	2.00	1	04/28/2015 20:15	WG784095
Barium	11.0		0.360	5.00	1	04/29/2015 20:52	WG783160
Barium,Dissolved	8.32		0.360	5.00	1	04/28/2015 20:15	WG784095
Calcium	627000		230	5000	5	04/29/2015 22:13	WG783160
Chromium	1.08	B J	0.540	2.00	1	04/29/2015 20:52	WG783160
Chromium,Dissolved	1.19	J	0.540	2.00	1	04/28/2015 20:15	WG784095
Iron	48.3	B J	15.0	100	1	04/29/2015 20:52	WG783160
Iron,Dissolved	U		15.0	100	1	04/28/2015 20:15	WG784095
Lead	U		0.240	2.00	1	04/29/2015 20:52	WG783160
Lead,Dissolved	U		0.240	2.00	1	04/28/2015 20:15	WG784095
Manganese	139		0.250	5.00	1	04/29/2015 20:52	WG783160
Manganese,Dissolved	42.1		0.250	5.00	1	04/28/2015 20:15	WG784095
Nickel	2.68		0.350	2.00	1	04/29/2015 20:52	WG783160
Nickel,Dissolved	2.09		0.350	2.00	1	04/28/2015 20:15	WG784095
Potassium	692	J	37.0	1000	1	04/29/2015 20:52	WG783160
Selenium	19.0		0.380	2.00	1	04/29/2015 20:52	WG783160
Selenium,Dissolved	23.0		0.380	2.00	1	04/28/2015 20:15	WG784095
Sodium	167000		110	1000	1	04/29/2015 20:52	WG783160
Vanadium	14.7		0.180	5.00	1	04/29/2015 20:52	WG783160
Vanadium,Dissolved	14.1		0.180	5.00	1	04/28/2015 20:15	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 18:04	WG783232

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
(S) a,a,a-Trifluorotoluene(FID)	*92.0*			*62.0-128*		*04/21/2015 18:04*	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 10:23	WG783753
Benzene	U		0.330	1.00	1	04/24/2015 10:23	WG783753
Bromodichloromethane	U		0.380	1.00	1	04/24/2015 10:23	WG783753
Bromoform	U		0.470	1.00	1	04/24/2015 10:23	WG783753
Bromomethane	U		0.870	5.00	1	04/24/2015 10:23	WG783753
n-Butylbenzene	U		0.360	1.00	1	04/24/2015 10:23	WG783753
sec-Butylbenzene	U		0.360	1.00	1	04/24/2015 10:23	WG783753
Carbon disulfide	U		0.280	1.00	1	04/24/2015 10:23	WG783753
Carbon tetrachloride	U		0.380	1.00	1	04/24/2015 10:23	WG783753
Chlorobenzene	U		0.350	1.00	1	04/24/2015 10:23	WG783753
Chlorodibromomethane	U		0.330	1.00	1	04/24/2015 10:23	WG783753
Chloroethane	U		0.450	5.00	1	04/24/2015 10:23	WG783753
Chloroform	U		0.320	5.00	1	04/24/2015 10:23	WG783753
Chloromethane	U		0.280	2.50	1	04/24/2015 10:23	WG783753
1,2-Dibromoethane	U		0.380	1.00	1	04/24/2015 10:23	WG783753
1,1-Dichloroethane	U		0.260	1.00	1	04/24/2015 10:23	WG783753
1,2-Dichloroethane	U		0.360	1.00	1	04/24/2015 10:23	WG783753
1,1-Dichloroethene	U		0.400	1.00	1	04/24/2015 10:23	WG783753
cis-1,2-Dichloroethene	U		0.260	1.00	1	04/24/2015 10:23	WG783753
trans-1,2-Dichloroethene	U		0.400	1.00	1	04/24/2015 10:23	WG783753
1,2-Dichloropropane	U		0.310	1.00	1	04/24/2015 10:23	WG783753
cis-1,3-Dichloropropene	U		0.420	1.00	1	04/24/2015 10:23	WG783753
trans-1,3-Dichloropropene	U		0.420	1.00	1	04/24/2015 10:23	WG783753
Ethylbenzene	U		0.380	1.00	1	04/24/2015 10:23	WG783753
Isopropylbenzene	U		0.330	1.00	1	04/24/2015 10:23	WG783753
p-Isopropyltoluene	U		0.350	1.00	1	04/24/2015 10:23	WG783753
2-Butanone (MEK)	U		3.90	10.0	1	04/24/2015 10:23	WG783753
2-Hexanone	U		3.80	10.0	1	04/24/2015 10:23	WG783753
Methylene Chloride	U		1.00	5.00	1	04/24/2015 10:23	WG783753
4-Methyl-2-pentanone (MIBK)	U		2.10	10.0	1	04/24/2015 10:23	WG783753
Methyl tert-butyl ether	U		0.370	1.00	1	04/24/2015 10:23	WG783753
Naphthalene	U		1.00	5.00	1	04/24/2015 10:23	WG783753
n-Propylbenzene	U		0.350	1.00	1	04/24/2015 10:23	WG783753
Styrene	U		0.310	1.00	1	04/24/2015 10:23	WG783753
1,1,1,2-Tetrachloroethane	U		0.380	1.00	1	04/24/2015 10:23	WG783753
1,1,2,2-Tetrachloroethane	U		0.130	1.00	1	04/24/2015 10:23	WG783753
Tetrachloroethene	U		0.370	1.00	1	04/24/2015 10:23	WG783753
Toluene	U		0.780	5.00	1	04/24/2015 10:23	WG783753
1,1,1-Trichloroethane	U		0.319	1.00	1	04/24/2015 10:23	WG783753
1,1,2-Trichloroethane	U		0.380	1.00	1	04/24/2015 10:23	WG783753
Trichloroethene	U		0.400	1.00	1	04/24/2015 10:23	WG783753
1,2,4-Trimethylbenzene	U		0.370	1.00	1	04/24/2015 10:23	WG783753
1,3,5-Trimethylbenzene	U		0.390	1.00	1	04/24/2015 10:23	WG783753
Vinyl chloride	U		0.260	1.00	1	04/24/2015 10:23	WG783753
o-Xylene	U		0.340	1.00	1	04/24/2015 10:23	WG783753
m&p-Xylene	U		0.720	1.00	1	04/24/2015 10:23	WG783753
Xylenes, Total	U		1.10	3.00	1	04/24/2015 10:23	WG783753
(S) Toluene-d8	*102*			*88.5-111*		*04/24/2015 10:23*	WG783753
(S) Dibromofluoromethane	*107*			*78.3-121*		*04/24/2015 10:23*	WG783753
(S) 4-Bromofluorobenzene	*91.0*			*71.0-126*		*04/24/2015 10:23*	WG783753

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	227		25.0	100	1	04/23/2015 20:31	WG783646
(S) o-Terphenyl	*102*			*50.0-150*		*04/23/2015 20:31*	WG783646

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	3110000	H	2800	10000	1	04/27/2015 09:14	WG784001

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Nitrate-Nitrite	36100		98.0	500	5	05/04/2015 11:29	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 13:22	WG784739

Wet Chemistry by Method 9056MOD

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	185000		5200	100000	100	04/29/2015 19:46	WG784968
Fluoride	1450		9.90	100	1	05/05/2015 14:31	WG785654
Sulfate	1600000		7700	500000	100	04/29/2015 19:46	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 12:50	WG783354

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic	3.21		0.250	2.00	1	04/29/2015 20:54	WG783160
Arsenic,Dissolved	3.50		0.250	2.00	1	04/28/2015 20:17	WG784095
Barium	16.7		0.360	5.00	1	04/29/2015 20:54	WG783160
Barium,Dissolved	17.1		0.360	5.00	1	04/28/2015 20:17	WG784095
Calcium	407000		46.0	1000	1	04/29/2015 20:54	WG783160
Chromium	1.08	B J	0.540	2.00	1	04/29/2015 20:54	WG783160
Chromium,Dissolved	1.31	J	0.540	2.00	1	04/28/2015 20:17	WG784095
Iron	U		15.0	100	1	04/29/2015 20:54	WG783160
Iron,Dissolved	18.2	J	15.0	100	1	04/28/2015 20:17	WG784095
Lead	U		0.240	2.00	1	04/29/2015 20:54	WG783160
Lead,Dissolved	U		0.240	2.00	1	04/28/2015 20:17	WG784095
Manganese	6.71		0.250	5.00	1	04/29/2015 20:54	WG783160
Manganese,Dissolved	6.43		0.250	5.00	1	04/28/2015 20:17	WG784095
Nickel	1.20	J	0.350	2.00	1	04/29/2015 20:54	WG783160
Nickel,Dissolved	1.35	J	0.350	2.00	1	04/28/2015 20:17	WG784095
Potassium	7180		37.0	1000	1	04/29/2015 20:54	WG783160
Selenium	9.47		0.380	2.00	1	04/29/2015 20:54	WG783160
Selenium,Dissolved	12.9		0.380	2.00	1	04/28/2015 20:17	WG784095
Sodium	66700		110	1000	1	04/29/2015 20:54	WG783160
Vanadium	14.7		0.180	5.00	1	04/29/2015 20:54	WG783160
Vanadium,Dissolved	15.7		0.180	5.00	1	04/28/2015 20:17	WG784095

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 01:56	WG785102
Benzene	U		0.330	1.00	1	04/30/2015 01:56	WG785102
Bromodichloromethane	U		0.380	1.00	1	04/30/2015 01:56	WG785102
Bromoform	U		0.470	1.00	1	04/30/2015 01:56	WG785102
Bromomethane	U		0.870	5.00	1	04/30/2015 01:56	WG785102
n-Butylbenzene	U		0.360	1.00	1	04/30/2015 01:56	WG785102
sec-Butylbenzene	U		0.360	1.00	1	04/30/2015 01:56	WG785102
Carbon disulfide	0.695	J	0.280	1.00	1	04/30/2015 01:56	WG785102
Carbon tetrachloride	U		0.380	1.00	1	04/30/2015 01:56	WG785102
Chlorobenzene	U		0.350	1.00	1	04/30/2015 01:56	WG785102
Chlorodibromomethane	U		0.330	1.00	1	04/30/2015 01:56	WG785102
Chloroethane	U		0.450	5.00	1	04/30/2015 01:56	WG785102
Chloroform	U		0.320	5.00	1	04/30/2015 01:56	WG785102
Chloromethane	U		0.280	2.50	1	04/30/2015 01:56	WG785102
1,2-Dibromoethane	U		0.380	1.00	1	04/30/2015 01:56	WG785102
1,1-Dichloroethane	U		0.260	1.00	1	04/30/2015 01:56	WG785102
1,2-Dichloroethane	U		0.360	1.00	1	04/30/2015 01:56	WG785102
1,1-Dichloroethene	U		0.400	1.00	1	04/30/2015 01:56	WG785102
cis-1,2-Dichloroethene	U		0.260	1.00	1	04/30/2015 01:56	WG785102
trans-1,2-Dichloroethene	U		0.400	1.00	1	04/30/2015 01:56	WG785102
1,2-Dichloropropane	U		0.310	1.00	1	04/30/2015 01:56	WG785102
cis-1,3-Dichloropropene	U		0.420	1.00	1	04/30/2015 01:56	WG785102
trans-1,3-Dichloropropene	U		0.420	1.00	1	04/30/2015 01:56	WG785102
Ethylbenzene	U		0.380	1.00	1	04/30/2015 01:56	WG785102
Isopropylbenzene	U		0.330	1.00	1	04/30/2015 01:56	WG785102
p-Isopropyltoluene	U		0.350	1.00	1	04/30/2015 01:56	WG785102
2-Butanone (MEK)	U		3.90	10.0	1	04/30/2015 01:56	WG785102
2-Hexanone	U		3.80	10.0	1	04/30/2015 01:56	WG785102
Methylene Chloride	U		1.00	5.00	1	04/30/2015 01:56	WG785102
4-Methyl-2-pentanone (MIBK)	U		2.10	10.0	1	04/30/2015 01:56	WG785102
Methyl tert-butyl ether	U		0.370	1.00	1	04/30/2015 01:56	WG785102
Naphthalene	U		1.00	5.00	1	04/30/2015 01:56	WG785102
n-Propylbenzene	U		0.350	1.00	1	04/30/2015 01:56	WG785102
Styrene	U		0.310	1.00	1	04/30/2015 01:56	WG785102
1,1,1,2-Tetrachloroethane	U		0.380	1.00	1	04/30/2015 01:56	WG785102
1,1,2,2-Tetrachloroethane	U		0.130	1.00	1	04/30/2015 01:56	WG785102
Tetrachloroethene	U		0.370	1.00	1	04/30/2015 01:56	WG785102
Toluene	U		0.780	5.00	1	04/30/2015 01:56	WG785102
1,1,1-Trichloroethane	U		0.319	1.00	1	04/30/2015 01:56	WG785102
1,1,2-Trichloroethane	U		0.380	1.00	1	04/30/2015 01:56	WG785102
Trichloroethene	U		0.400	1.00	1	04/30/2015 01:56	WG785102
1,2,4-Trimethylbenzene	U		0.370	1.00	1	04/30/2015 01:56	WG785102
1,3,5-Trimethylbenzene	U		0.390	1.00	1	04/30/2015 01:56	WG785102
Vinyl chloride	U		0.260	1.00	1	04/30/2015 01:56	WG785102
o-Xylene	U		0.340	1.00	1	04/30/2015 01:56	WG785102
m&p-Xylene	U		0.720	1.00	1	04/30/2015 01:56	WG785102
Xylenes, Total	U		1.10	3.00	1	04/30/2015 01:56	WG785102
(S) Toluene-d8	*108*			*88.5-111*		*04/30/2015 01:56*	WG785102
(S) Dibromofluoromethane	*112*			*78.3-121*		*04/30/2015 01:56*	WG785102
(S) 4-Bromofluorobenzene	*105*			*71.0-126*		*04/30/2015 01:56*	WG785102

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	2410		25.0	100	1	04/23/2015 20:49	WG783646
(S) o-Terphenyl	*104*			*50.0-150*		*04/23/2015 20:49*	WG783646

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	2080000	H	2800	10000	1	04/27/2015 09:12	WG784001

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Nitrate-Nitrite	450		20.0	100	1	05/04/2015 11:04	WG786250

Wet Chemistry by Method 9056MOD

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	192000		1000	20000	20	04/29/2015 20:02	WG784968
Fluoride	1100		9.90	100	1	05/05/2015 15:12	WG785654
Sulfate	712000		1500	100000	20	04/29/2015 20:02	WG784968

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic	3.12		0.250	2.00	1	04/29/2015 20:57	WG783160
Arsenic,Dissolved	2.89		0.250	2.00	1	04/28/2015 20:19	WG784095
Barium	17.3		0.360	5.00	1	04/29/2015 20:57	WG783160
Barium,Dissolved	17.8		0.360	5.00	1	04/28/2015 20:19	WG784095
Calcium	318000		46.0	1000	1	04/29/2015 20:57	WG783160
Chromium	U		0.540	2.00	1	04/29/2015 20:57	WG783160
Chromium,Dissolved	U		0.540	2.00	1	04/28/2015 20:19	WG784095
Iron	53.7	B J	15.0	100	1	04/29/2015 20:57	WG783160
Iron,Dissolved	U		15.0	100	1	04/28/2015 20:19	WG784095
Lead	U		0.240	2.00	1	04/29/2015 20:57	WG783160
Lead,Dissolved	U		0.240	2.00	1	04/28/2015 20:19	WG784095
Manganese	450		0.250	5.00	1	04/29/2015 20:57	WG783160
Manganese,Dissolved	461		0.250	5.00	1	04/28/2015 20:19	WG784095
Potassium	276	J	37.0	1000	1	04/29/2015 20:57	WG783160
Selenium	0.509	J	0.380	2.00	1	04/29/2015 20:57	WG783160
Selenium,Dissolved	2.90		0.380	2.00	1	04/28/2015 20:19	WG784095
Sodium	62900		110	1000	1	04/29/2015 20:57	WG783160

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 11:08	WG783753
Benzene	U		0.330	1.00	1	04/24/2015 11:08	WG783753
Bromodichloromethane	U		0.380	1.00	1	04/24/2015 11:08	WG783753
Bromoform	U		0.470	1.00	1	04/24/2015 11:08	WG783753
Bromomethane	U		0.870	5.00	1	04/24/2015 11:08	WG783753
n-Butylbenzene	U		0.360	1.00	1	04/24/2015 11:08	WG783753
sec-Butylbenzene	0.428	J	0.360	1.00	1	04/24/2015 11:08	WG783753
Carbon disulfide	U		0.280	1.00	1	04/24/2015 11:08	WG783753
Carbon tetrachloride	U		0.380	1.00	1	04/24/2015 11:08	WG783753
Chlorobenzene	U		0.350	1.00	1	04/24/2015 11:08	WG783753
Chlorodibromomethane	U		0.330	1.00	1	04/24/2015 11:08	WG783753
Chloroethane	U		0.450	5.00	1	04/24/2015 11:08	WG783753
Chloroform	U		0.320	5.00	1	04/24/2015 11:08	WG783753
Chloromethane	U		0.280	2.50	1	04/24/2015 11:08	WG783753
1,2-Dibromoethane	U		0.380	1.00	1	04/24/2015 11:08	WG783753
1,1-Dichloroethane	U		0.260	1.00	1	04/24/2015 11:08	WG783753

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,2-Dichloroethane	U		0.360	1.00	1	04/24/2015 11:08	WG783753
1,1-Dichloroethene	U		0.400	1.00	1	04/24/2015 11:08	WG783753
cis-1,2-Dichloroethene	U		0.260	1.00	1	04/24/2015 11:08	WG783753
trans-1,2-Dichloroethene	U		0.400	1.00	1	04/24/2015 11:08	WG783753
1,2-Dichloropropane	U		0.310	1.00	1	04/24/2015 11:08	WG783753
cis-1,3-Dichloropropene	U		0.420	1.00	1	04/24/2015 11:08	WG783753
trans-1,3-Dichloropropene	U		0.420	1.00	1	04/24/2015 11:08	WG783753
Ethylbenzene	U		0.380	1.00	1	04/24/2015 11:08	WG783753
Isopropylbenzene	U		0.330	1.00	1	04/24/2015 11:08	WG783753
p-Isopropyltoluene	U		0.350	1.00	1	04/24/2015 11:08	WG783753
2-Butanone (MEK)	U		3.90	10.0	1	04/24/2015 11:08	WG783753
2-Hexanone	U		3.80	10.0	1	04/24/2015 11:08	WG783753
Methylene Chloride	U		1.00	5.00	1	04/24/2015 11:08	WG783753
4-Methyl-2-pentanone (MIBK)	U		2.10	10.0	1	04/24/2015 11:08	WG783753
Methyl tert-butyl ether	U		0.370	1.00	1	04/24/2015 11:08	WG783753
Naphthalene	U		1.00	5.00	1	04/24/2015 11:08	WG783753
n-Propylbenzene	U		0.350	1.00	1	04/24/2015 11:08	WG783753
Styrene	U		0.310	1.00	1	04/24/2015 11:08	WG783753
1,1,1,2-Tetrachloroethane	U		0.380	1.00	1	04/24/2015 11:08	WG783753
1,1,2,2-Tetrachloroethane	U		0.130	1.00	1	04/24/2015 11:08	WG783753
Tetrachloroethene	U		0.370	1.00	1	04/24/2015 11:08	WG783753
Toluene	U		0.780	5.00	1	04/24/2015 11:08	WG783753
1,1,1-Trichloroethane	U		0.319	1.00	1	04/24/2015 11:08	WG783753
1,1,2-Trichloroethane	U		0.380	1.00	1	04/24/2015 11:08	WG783753
Trichloroethene	U		0.400	1.00	1	04/24/2015 11:08	WG783753
1,2,4-Trimethylbenzene	U		0.370	1.00	1	04/24/2015 11:08	WG783753
1,3,5-Trimethylbenzene	U		0.390	1.00	1	04/24/2015 11:08	WG783753
Vinyl chloride	U		0.260	1.00	1	04/24/2015 11:08	WG783753
o-Xylene	U		0.340	1.00	1	04/24/2015 11:08	WG783753
m&p-Xylene	U		0.720	1.00	1	04/24/2015 11:08	WG783753
Xylenes, Total	U		1.10	3.00	1	04/24/2015 11:08	WG783753
(S) Toluene-d8	*101*			*88.5-111*		*04/24/2015 11:08*	WG783753
(S) Dibromofluoromethane	*104*			*78.3-121*		*04/24/2015 11:08*	WG783753
(S) 4-Bromofluorobenzene	*89.4*			*71.0-126*		*04/24/2015 11:08*	WG783753

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	2930		25.0	100	1	04/23/2015 21:41	WG783646
(S) o-Terphenyl	*108*			*50.0-150*		*04/23/2015 21:41*	WG783646

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Dissolved Solids	1890000	H	2800	10000	1	04/27/2015 09:16	WG784001

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Nitrate-Nitrite	27.6	J	20.0	100	1	05/04/2015 11:05	WG786250

Wet Chemistry by Method 9056MOD

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	166000		1000	20000	20	04/29/2015 20:17	WG784968
Fluoride	613		9.90	100	1	05/05/2015 15:26	WG785654
Sulfate	752000		1500	100000	20	04/29/2015 20:17	WG784968

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic	2.20		0.250	2.00	1	04/29/2015 20:59	WG783160
Arsenic,Dissolved	2.05		0.250	2.00	1	04/28/2015 20:22	WG784095
Barium	16.5		0.360	5.00	1	04/29/2015 20:59	WG783160
Barium,Dissolved	15.0		0.360	5.00	1	04/28/2015 20:22	WG784095
Calcium	307000		46.0	1000	1	04/29/2015 20:59	WG783160
Chromium	U		0.540	2.00	1	04/29/2015 20:59	WG783160
Chromium,Dissolved	U		0.540	2.00	1	04/28/2015 20:22	WG784095
Iron	52.0	B J	15.0	100	1	04/29/2015 20:59	WG783160
Iron,Dissolved	45.6	J	15.0	100	1	04/28/2015 20:22	WG784095
Lead	U		0.240	2.00	1	04/29/2015 20:59	WG783160
Lead,Dissolved	U		0.240	2.00	1	04/28/2015 20:22	WG784095
Manganese	165		0.250	5.00	1	04/29/2015 20:59	WG783160
Manganese,Dissolved	164		0.250	5.00	1	04/28/2015 20:22	WG784095
Potassium	767	J	37.0	1000	1	04/29/2015 20:59	WG783160
Selenium	0.400	J	0.380	2.00	1	04/29/2015 20:59	WG783160
Selenium,Dissolved	2.89		0.380	2.00	1	04/28/2015 20:22	WG784095
Sodium	48000		110	1000	1	04/29/2015 20:59	WG783160

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 20:13	WG783232
(S) a,a,a-Trifluorotoluene(FID)	*92.3*			*62.0-128*		*04/21/2015 20:13*	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	12.8	J	10.0	50.0	1	04/24/2015 11:29	WG783753
Benzene	U		0.330	1.00	1	04/24/2015 11:29	WG783753
Bromodichloromethane	U		0.380	1.00	1	04/24/2015 11:29	WG783753
Bromoform	U		0.470	1.00	1	04/24/2015 11:29	WG783753
Bromomethane	U		0.870	5.00	1	04/24/2015 11:29	WG783753
n-Butylbenzene	U		0.360	1.00	1	04/24/2015 11:29	WG783753
sec-Butylbenzene	U		0.360	1.00	1	04/24/2015 11:29	WG783753
Carbon disulfide	U		0.280	1.00	1	04/24/2015 11:29	WG783753
Carbon tetrachloride	U		0.380	1.00	1	04/24/2015 11:29	WG783753

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chlorobenzene	U		0.350	1.00	1	04/24/2015 11:29	WG783753
Chlorodibromomethane	U		0.330	1.00	1	04/24/2015 11:29	WG783753
Chloroethane	U		0.450	5.00	1	04/24/2015 11:29	WG783753
Chloroform	U		0.320	5.00	1	04/24/2015 11:29	WG783753
Chloromethane	U		0.280	2.50	1	04/24/2015 11:29	WG783753
1,2-Dibromoethane	U		0.380	1.00	1	04/24/2015 11:29	WG783753
1,1-Dichloroethane	U		0.260	1.00	1	04/24/2015 11:29	WG783753
1,2-Dichloroethane	U		0.360	1.00	1	04/24/2015 11:29	WG783753
1,1-Dichloroethene	U		0.400	1.00	1	04/24/2015 11:29	WG783753
cis-1,2-Dichloroethene	U		0.260	1.00	1	04/24/2015 11:29	WG783753
trans-1,2-Dichloroethene	U		0.400	1.00	1	04/24/2015 11:29	WG783753
1,2-Dichloropropane	U		0.310	1.00	1	04/24/2015 11:29	WG783753
cis-1,3-Dichloropropene	U		0.420	1.00	1	04/24/2015 11:29	WG783753
trans-1,3-Dichloropropene	U		0.420	1.00	1	04/24/2015 11:29	WG783753
Ethylbenzene	U		0.380	1.00	1	04/24/2015 11:29	WG783753
Isopropylbenzene	U		0.330	1.00	1	04/24/2015 11:29	WG783753
p-Isopropyltoluene	U		0.350	1.00	1	04/24/2015 11:29	WG783753
2-Butanone (MEK)	U		3.90	10.0	1	04/24/2015 11:29	WG783753
2-Hexanone	U		3.80	10.0	1	04/24/2015 11:29	WG783753
Methylene Chloride	U		1.00	5.00	1	04/24/2015 11:29	WG783753
4-Methyl-2-pentanone (MIBK)	U		2.10	10.0	1	04/24/2015 11:29	WG783753
Methyl tert-butyl ether	U		0.370	1.00	1	04/24/2015 11:29	WG783753
Naphthalene	U		1.00	5.00	1	04/24/2015 11:29	WG783753
n-Propylbenzene	U		0.350	1.00	1	04/24/2015 11:29	WG783753
Styrene	U		0.310	1.00	1	04/24/2015 11:29	WG783753
1,1,1,2-Tetrachloroethane	U		0.380	1.00	1	04/24/2015 11:29	WG783753
1,1,2,2-Tetrachloroethane	U		0.130	1.00	1	04/24/2015 11:29	WG783753
Tetrachloroethene	U		0.370	1.00	1	04/24/2015 11:29	WG783753
Toluene	U		0.780	5.00	1	04/24/2015 11:29	WG783753
1,1,1-Trichloroethane	U		0.319	1.00	1	04/24/2015 11:29	WG783753
1,1,2-Trichloroethane	U		0.380	1.00	1	04/24/2015 11:29	WG783753
Trichloroethene	U		0.400	1.00	1	04/24/2015 11:29	WG783753
1,2,4-Trimethylbenzene	U		0.370	1.00	1	04/24/2015 11:29	WG783753
1,3,5-Trimethylbenzene	U		0.390	1.00	1	04/24/2015 11:29	WG783753
Vinyl chloride	U		0.260	1.00	1	04/24/2015 11:29	WG783753
o-Xylene	U		0.340	1.00	1	04/24/2015 11:29	WG783753
m&p-Xylene	U		0.720	1.00	1	04/24/2015 11:29	WG783753
Xylenes, Total	U		1.10	3.00	1	04/24/2015 11:29	WG783753
(S) Toluene-d8	*99.8*			*88.5-111*		*04/24/2015 11:29*	WG783753
(S) Dibromofluoromethane	*103*			*78.3-121*		*04/24/2015 11:29*	WG783753
(S) 4-Bromofluorobenzene	*88.5*			*71.0-126*		*04/24/2015 11:29*	WG783753

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	2470		25.0	100	1	04/23/2015 21:06	WG783646
(S) o-Terphenyl	*108*			*50.0-150*		*04/23/2015 21:06*	WG783646

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	2840000	H	2800	10000	1	04/27/2015 09:13	WG784001

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Nitrate-Nitrite	4530		20.0	100	1	05/04/2015 11:06	WG786250

Wet Chemistry by Method 9056MOD

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	109000		5200	100000	100	04/29/2015 20:33	WG784968
Fluoride	1640		9.90	100	1	05/05/2015 17:34	WG785654
Sulfate	1400000		7700	500000	100	04/29/2015 20:33	WG784968

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	04/29/2015 21:01	WG783160
Arsenic,Dissolved	1.45	J	0.250	2.00	1	04/28/2015 20:24	WG784095
Barium	10.9		0.360	5.00	1	04/29/2015 21:01	WG783160
Barium,Dissolved	10.4		0.360	5.00	1	04/28/2015 20:24	WG784095
Calcium	377000		46.0	1000	1	04/29/2015 21:01	WG783160
Chromium	U		0.540	2.00	1	04/29/2015 21:01	WG783160
Chromium,Dissolved	U		0.540	2.00	1	04/28/2015 20:24	WG784095
Iron	23.2	B J	15.0	100	1	04/29/2015 21:01	WG783160
Iron,Dissolved	22.7	J	15.0	100	1	04/28/2015 20:24	WG784095
Lead	0.252	J	0.240	2.00	1	04/29/2015 21:01	WG783160
Lead,Dissolved	U		0.240	2.00	1	04/28/2015 20:24	WG784095
Manganese	2.15	J	0.250	5.00	1	04/29/2015 21:01	WG783160
Manganese,Dissolved	0.312	J	0.250	5.00	1	04/28/2015 20:24	WG784095
Potassium	552	J	37.0	1000	1	04/29/2015 21:01	WG783160
Selenium	2.79		0.380	2.00	1	04/29/2015 21:01	WG783160
Selenium,Dissolved	4.71		0.380	2.00	1	04/28/2015 20:24	WG784095
Sodium	105000		110	1000	1	04/29/2015 21:01	WG783160

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 11:50	WG783753
Benzene	U		0.330	1.00	1	04/24/2015 11:50	WG783753
Bromodichloromethane	U		0.380	1.00	1	04/24/2015 11:50	WG783753
Bromoform	U		0.470	1.00	1	04/24/2015 11:50	WG783753
Bromomethane	U		0.870	5.00	1	04/24/2015 11:50	WG783753
n-Butylbenzene	U		0.360	1.00	1	04/24/2015 11:50	WG783753
sec-Butylbenzene	U		0.360	1.00	1	04/24/2015 11:50	WG783753
Carbon disulfide	U		0.280	1.00	1	04/24/2015 11:50	WG783753
Carbon tetrachloride	U		0.380	1.00	1	04/24/2015 11:50	WG783753
Chlorobenzene	U		0.350	1.00	1	04/24/2015 11:50	WG783753
Chlorodibromomethane	U		0.330	1.00	1	04/24/2015 11:50	WG783753
Chloroethane	U		0.450	5.00	1	04/24/2015 11:50	WG783753
Chloroform	U		0.320	5.00	1	04/24/2015 11:50	WG783753
Chloromethane	U		0.280	2.50	1	04/24/2015 11:50	WG783753
1,2-Dibromoethane	U		0.380	1.00	1	04/24/2015 11:50	WG783753
1,1-Dichloroethane	U		0.260	1.00	1	04/24/2015 11:50	WG783753

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,2-Dichloroethane	U		0.360	1.00	1	04/24/2015 11:50	WG783753
1,1-Dichloroethene	U		0.400	1.00	1	04/24/2015 11:50	WG783753
cis-1,2-Dichloroethene	U		0.260	1.00	1	04/24/2015 11:50	WG783753
trans-1,2-Dichloroethene	U		0.400	1.00	1	04/24/2015 11:50	WG783753
1,2-Dichloropropane	U		0.310	1.00	1	04/24/2015 11:50	WG783753
cis-1,3-Dichloropropene	U		0.420	1.00	1	04/24/2015 11:50	WG783753
trans-1,3-Dichloropropene	U		0.420	1.00	1	04/24/2015 11:50	WG783753
Ethylbenzene	U		0.380	1.00	1	04/24/2015 11:50	WG783753
Isopropylbenzene	U		0.330	1.00	1	04/24/2015 11:50	WG783753
p-Isopropyltoluene	U		0.350	1.00	1	04/24/2015 11:50	WG783753
2-Butanone (MEK)	U		3.90	10.0	1	04/24/2015 11:50	WG783753
2-Hexanone	U		3.80	10.0	1	04/24/2015 11:50	WG783753
Methylene Chloride	U		1.00	5.00	1	04/24/2015 11:50	WG783753
4-Methyl-2-pentanone (MIBK)	U		2.10	10.0	1	04/24/2015 11:50	WG783753
Methyl tert-butyl ether	U		0.370	1.00	1	04/24/2015 11:50	WG783753
Naphthalene	U		1.00	5.00	1	04/24/2015 11:50	WG783753
n-Propylbenzene	U		0.350	1.00	1	04/24/2015 11:50	WG783753
Styrene	U		0.310	1.00	1	04/24/2015 11:50	WG783753
1,1,1,2-Tetrachloroethane	U		0.380	1.00	1	04/24/2015 11:50	WG783753
1,1,2,2-Tetrachloroethane	U		0.130	1.00	1	04/24/2015 11:50	WG783753
Tetrachloroethene	U		0.370	1.00	1	04/24/2015 11:50	WG783753
Toluene	U		0.780	5.00	1	04/24/2015 11:50	WG783753
1,1,1-Trichloroethane	U		0.319	1.00	1	04/24/2015 11:50	WG783753
1,1,2-Trichloroethane	U		0.380	1.00	1	04/24/2015 11:50	WG783753
Trichloroethene	U		0.400	1.00	1	04/24/2015 11:50	WG783753
1,2,4-Trimethylbenzene	U		0.370	1.00	1	04/24/2015 11:50	WG783753
1,3,5-Trimethylbenzene	U		0.390	1.00	1	04/24/2015 11:50	WG783753
Vinyl chloride	U		0.260	1.00	1	04/24/2015 11:50	WG783753
o-Xylene	U		0.340	1.00	1	04/24/2015 11:50	WG783753
m&p-Xylene	U		0.720	1.00	1	04/24/2015 11:50	WG783753
Xylenes, Total	U		1.10	3.00	1	04/24/2015 11:50	WG783753
(S) Toluene-d8	*102*			*88.5-111*		*04/24/2015 11:50*	WG783753
(S) Dibromofluoromethane	*106*			*78.3-121*		*04/24/2015 11:50*	WG783753
(S) 4-Bromofluorobenzene	*88.8*			*71.0-126*		*04/24/2015 11:50*	WG783753

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	96.7	J	25.0	100	1	04/23/2015 21:23	WG783646
(S) o-Terphenyl	*104*			*50.0-150*		*04/23/2015 21:23*	WG783646

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	2810000	H	2800	10000	1	04/27/2015 09:17	WG784001

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Nitrate-Nitrite	34500		98.0	500	5	05/04/2015 11:30	WG786250

Wet Chemistry by Method 9056MOD

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	1010000		5200	100000	100	04/29/2015 21:19	WG784968
Fluoride	922		50.0	500	5	05/06/2015 07:57	WG786915
Sulfate	1290000		7700	500000	100	04/29/2015 21:19	WG784968

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic	1.79	J	0.250	2.00	1	04/29/2015 21:03	WG783160
Arsenic,Dissolved	1.67	J	0.250	2.00	1	04/28/2015 21:01	WG784095
Barium	25.6		0.360	5.00	1	04/29/2015 21:03	WG783160
Barium,Dissolved	21.2		0.360	5.00	1	04/28/2015 21:01	WG784095
Calcium	348000		46.0	1000	1	04/29/2015 21:03	WG783160
Chromium	U		0.540	2.00	1	04/29/2015 21:03	WG783160
Chromium,Dissolved	U		0.540	2.00	1	04/28/2015 21:01	WG784095
Iron	33.8	B J	15.0	100	1	04/29/2015 21:03	WG783160
Iron,Dissolved	U		15.0	100	1	04/28/2015 21:01	WG784095
Lead	0.252	J	0.240	2.00	1	04/29/2015 21:03	WG783160
Lead,Dissolved	U		0.240	2.00	1	04/28/2015 21:01	WG784095
Manganese	1200		0.250	5.00	1	04/29/2015 21:03	WG783160
Manganese,Dissolved	797		0.250	5.00	1	04/28/2015 21:01	WG784095
Potassium	1160		37.0	1000	1	04/29/2015 21:03	WG783160
Selenium	5.66		0.380	2.00	1	04/29/2015 21:03	WG783160
Selenium,Dissolved	6.27		0.380	2.00	1	04/28/2015 21:01	WG784095
Sodium	104000		110	1000	1	04/29/2015 21:03	WG783160

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 12:10	WG783753
Benzene	U		0.330	1.00	1	04/24/2015 12:10	WG783753
Bromodichloromethane	U		0.380	1.00	1	04/24/2015 12:10	WG783753
Bromoform	U		0.470	1.00	1	04/24/2015 12:10	WG783753
Bromomethane	U		0.870	5.00	1	04/24/2015 12:10	WG783753
n-Butylbenzene	U		0.360	1.00	1	04/24/2015 12:10	WG783753
sec-Butylbenzene	U		0.360	1.00	1	04/24/2015 12:10	WG783753
Carbon disulfide	U		0.280	1.00	1	04/24/2015 12:10	WG783753
Carbon tetrachloride	U		0.380	1.00	1	04/24/2015 12:10	WG783753
Chlorobenzene	U		0.350	1.00	1	04/24/2015 12:10	WG783753
Chlorodibromomethane	U		0.330	1.00	1	04/24/2015 12:10	WG783753
Chloroethane	U		0.450	5.00	1	04/24/2015 12:10	WG783753
Chloroform	U		0.320	5.00	1	04/24/2015 12:10	WG783753
Chloromethane	U		0.280	2.50	1	04/24/2015 12:10	WG783753
1,2-Dibromoethane	U		0.380	1.00	1	04/24/2015 12:10	WG783753
1,1-Dichloroethane	U		0.260	1.00	1	04/24/2015 12:10	WG783753

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,2-Dichloroethane	U		0.360	1.00	1	04/24/2015 12:10	WG783753
1,1-Dichloroethene	U		0.400	1.00	1	04/24/2015 12:10	WG783753
cis-1,2-Dichloroethene	U		0.260	1.00	1	04/24/2015 12:10	WG783753
trans-1,2-Dichloroethene	U		0.400	1.00	1	04/24/2015 12:10	WG783753
1,2-Dichloropropane	U		0.310	1.00	1	04/24/2015 12:10	WG783753
cis-1,3-Dichloropropene	U		0.420	1.00	1	04/24/2015 12:10	WG783753
trans-1,3-Dichloropropene	U		0.420	1.00	1	04/24/2015 12:10	WG783753
Ethylbenzene	U		0.380	1.00	1	04/24/2015 12:10	WG783753
Isopropylbenzene	U		0.330	1.00	1	04/24/2015 12:10	WG783753
p-Isopropyltoluene	U		0.350	1.00	1	04/24/2015 12:10	WG783753
2-Butanone (MEK)	U		3.90	10.0	1	04/24/2015 12:10	WG783753
2-Hexanone	U		3.80	10.0	1	04/24/2015 12:10	WG783753
Methylene Chloride	U		1.00	5.00	1	04/24/2015 12:10	WG783753
4-Methyl-2-pentanone (MIBK)	U		2.10	10.0	1	04/24/2015 12:10	WG783753
Methyl tert-butyl ether	U		0.370	1.00	1	04/24/2015 12:10	WG783753
Naphthalene	U		1.00	5.00	1	04/24/2015 12:10	WG783753
n-Propylbenzene	U		0.350	1.00	1	04/24/2015 12:10	WG783753
Styrene	U		0.310	1.00	1	04/24/2015 12:10	WG783753
1,1,1,2-Tetrachloroethane	U		0.380	1.00	1	04/24/2015 12:10	WG783753
1,1,2,2-Tetrachloroethane	U		0.130	1.00	1	04/24/2015 12:10	WG783753
Tetrachloroethene	U		0.370	1.00	1	04/24/2015 12:10	WG783753
Toluene	U		0.780	5.00	1	04/24/2015 12:10	WG783753
1,1,1-Trichloroethane	U		0.319	1.00	1	04/24/2015 12:10	WG783753
1,1,2-Trichloroethane	U		0.380	1.00	1	04/24/2015 12:10	WG783753
Trichloroethene	U		0.400	1.00	1	04/24/2015 12:10	WG783753
1,2,4-Trimethylbenzene	U		0.370	1.00	1	04/24/2015 12:10	WG783753
1,3,5-Trimethylbenzene	U		0.390	1.00	1	04/24/2015 12:10	WG783753
Vinyl chloride	U		0.260	1.00	1	04/24/2015 12:10	WG783753
o-Xylene	U		0.340	1.00	1	04/24/2015 12:10	WG783753
m&p-Xylene	U		0.720	1.00	1	04/24/2015 12:10	WG783753
Xylenes, Total	U		1.10	3.00	1	04/24/2015 12:10	WG783753
(S) Toluene-d8	*101*			*88.5-111*		*04/24/2015 12:10*	WG783753
(S) Dibromofluoromethane	*103*			*78.3-121*		*04/24/2015 12:10*	WG783753
(S) 4-Bromofluorobenzene	*88.2*			*71.0-126*		*04/24/2015 12:10*	WG783753

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	296		25.0	100	1	04/23/2015 21:58	WG783646
(S) o-Terphenyl	*105*			*50.0-150*		*04/23/2015 21:58*	WG783646

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	H	2800	10000	1	04/27/2015 08:45	WG784341

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Nitrate-Nitrite	1280		20.0	100	1	05/04/2015 11:12	WG786250

Wet Chemistry by Method 9056MOD

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	927000		5200	100000	100	04/29/2015 21:34	WG784968
Fluoride	1110		50.0	500	5	05/06/2015 08:11	WG786915
Sulfate	1900000		7700	500000	100	04/29/2015 21:34	WG784968

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic	7.27		0.250	2.00	1	04/29/2015 21:06	WG783160
Arsenic,Dissolved	7.09		0.250	2.00	1	04/28/2015 21:04	WG784095
Barium	14.3		0.360	5.00	1	04/29/2015 21:06	WG783160
Barium,Dissolved	13.6		0.360	5.00	1	04/28/2015 21:04	WG784095
Calcium	485000		46.0	1000	1	04/29/2015 21:06	WG783160
Chromium	U		0.540	2.00	1	04/29/2015 21:06	WG783160
Chromium,Dissolved	U		0.540	2.00	1	04/28/2015 21:04	WG784095
Iron	23.0	B J	15.0	100	1	04/29/2015 21:06	WG783160
Iron,Dissolved	U		15.0	100	1	04/28/2015 21:04	WG784095
Lead	0.739	J	0.240	2.00	1	04/29/2015 21:06	WG783160
Lead,Dissolved	0.483	J	0.240	2.00	1	04/28/2015 21:04	WG784095
Manganese	293		0.250	5.00	1	04/29/2015 21:06	WG783160
Manganese,Dissolved	286		0.250	5.00	1	04/28/2015 21:04	WG784095
Potassium	1900		37.0	1000	1	04/29/2015 21:06	WG783160
Selenium	3.72		0.380	2.00	1	04/29/2015 21:06	WG783160
Selenium,Dissolved	3.34		0.380	2.00	1	04/28/2015 21:04	WG784095
Sodium	272000		110	1000	1	04/29/2015 21:06	WG783160

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 12:31	WG783753
Benzene	U		0.330	1.00	1	04/24/2015 12:31	WG783753
Bromodichloromethane	U		0.380	1.00	1	04/24/2015 12:31	WG783753
Bromoform	U		0.470	1.00	1	04/24/2015 12:31	WG783753
Bromomethane	U		0.870	5.00	1	04/24/2015 12:31	WG783753
n-Butylbenzene	U		0.360	1.00	1	04/24/2015 12:31	WG783753
sec-Butylbenzene	U		0.360	1.00	1	04/24/2015 12:31	WG783753
Carbon disulfide	U		0.280	1.00	1	04/24/2015 12:31	WG783753
Carbon tetrachloride	U		0.380	1.00	1	04/24/2015 12:31	WG783753
Chlorobenzene	U		0.350	1.00	1	04/24/2015 12:31	WG783753
Chlorodibromomethane	U		0.330	1.00	1	04/24/2015 12:31	WG783753
Chloroethane	U		0.450	5.00	1	04/24/2015 12:31	WG783753
Chloroform	U		0.320	5.00	1	04/24/2015 12:31	WG783753
Chloromethane	U		0.280	2.50	1	04/24/2015 12:31	WG783753
1,2-Dibromoethane	U		0.380	1.00	1	04/24/2015 12:31	WG783753
1,1-Dichloroethane	U		0.260	1.00	1	04/24/2015 12:31	WG783753

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,2-Dichloroethane	U		0.360	1.00	1	04/24/2015 12:31	WG783753
1,1-Dichloroethene	U		0.400	1.00	1	04/24/2015 12:31	WG783753
cis-1,2-Dichloroethene	U		0.260	1.00	1	04/24/2015 12:31	WG783753
trans-1,2-Dichloroethene	U		0.400	1.00	1	04/24/2015 12:31	WG783753
1,2-Dichloropropane	U		0.310	1.00	1	04/24/2015 12:31	WG783753
cis-1,3-Dichloropropene	U		0.420	1.00	1	04/24/2015 12:31	WG783753
trans-1,3-Dichloropropene	U		0.420	1.00	1	04/24/2015 12:31	WG783753
Ethylbenzene	U		0.380	1.00	1	04/24/2015 12:31	WG783753
Isopropylbenzene	U		0.330	1.00	1	04/24/2015 12:31	WG783753
p-Isopropyltoluene	U		0.350	1.00	1	04/24/2015 12:31	WG783753
2-Butanone (MEK)	U		3.90	10.0	1	04/24/2015 12:31	WG783753
2-Hexanone	U		3.80	10.0	1	04/24/2015 12:31	WG783753
Methylene Chloride	U		1.00	5.00	1	04/24/2015 12:31	WG783753
4-Methyl-2-pentanone (MIBK)	U		2.10	10.0	1	04/24/2015 12:31	WG783753
Methyl tert-butyl ether	12.9		0.370	1.00	1	04/24/2015 12:31	WG783753
Naphthalene	U		1.00	5.00	1	04/24/2015 12:31	WG783753
n-Propylbenzene	U		0.350	1.00	1	04/24/2015 12:31	WG783753
Styrene	U		0.310	1.00	1	04/24/2015 12:31	WG783753
1,1,1,2-Tetrachloroethane	U		0.380	1.00	1	04/24/2015 12:31	WG783753
1,1,2,2-Tetrachloroethane	U		0.130	1.00	1	04/24/2015 12:31	WG783753
Tetrachloroethene	U		0.370	1.00	1	04/24/2015 12:31	WG783753
Toluene	U		0.780	5.00	1	04/24/2015 12:31	WG783753
1,1,1-Trichloroethane	U		0.319	1.00	1	04/24/2015 12:31	WG783753
1,1,2-Trichloroethane	U		0.380	1.00	1	04/24/2015 12:31	WG783753
Trichloroethene	U		0.400	1.00	1	04/24/2015 12:31	WG783753
1,2,4-Trimethylbenzene	U		0.370	1.00	1	04/24/2015 12:31	WG783753
1,3,5-Trimethylbenzene	U		0.390	1.00	1	04/24/2015 12:31	WG783753
Vinyl chloride	U		0.260	1.00	1	04/24/2015 12:31	WG783753
o-Xylene	U		0.340	1.00	1	04/24/2015 12:31	WG783753
m&p-Xylene	U		0.720	1.00	1	04/24/2015 12:31	WG783753
Xylenes, Total	U		1.10	3.00	1	04/24/2015 12:31	WG783753
(S) Toluene-d8	*101*			*88.5-111*		*04/24/2015 12:31*	WG783753
(S) Dibromofluoromethane	*104*			*78.3-121*		*04/24/2015 12:31*	WG783753
(S) 4-Bromofluorobenzene	*93.6*			*71.0-126*		*04/24/2015 12:31*	WG783753

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	1620		25.0	100	1	04/23/2015 22:15	WG783646
(S) o-Terphenyl	*106*			*50.0-150*		*04/23/2015 22:15*	WG783646

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	5300000	H	2800	10000	1	04/27/2015 08:42	WG784341

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 11:14	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	05/01/2015 14:50	WG786101

Wet Chemistry by Method 9056MOD

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	1260000		5200	100000	100	04/29/2015 21:50	WG784968
Fluoride	1440		50.0	500	5	05/06/2015 08:26	WG786915
Sulfate	2580000		7700	500000	100	04/29/2015 21:50	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 12:58	WG783354

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic	3.95		0.250	2.00	1	04/29/2015 21:08	WG783160
Arsenic,Dissolved	3.59		0.250	2.00	1	04/28/2015 21:06	WG784095
Barium	18.5		0.360	5.00	1	04/29/2015 21:08	WG783160
Barium,Dissolved	17.4		0.360	5.00	1	04/28/2015 21:06	WG784095
Calcium	605000		230	5000	5	04/29/2015 22:15	WG783160
Chromium	U		0.540	2.00	1	04/29/2015 21:08	WG783160
Chromium,Dissolved	U		0.540	2.00	1	04/28/2015 21:06	WG784095
Iron	1660	B	15.0	100	1	04/29/2015 21:08	WG783160
Iron,Dissolved	790		15.0	100	1	04/28/2015 21:06	WG784095
Lead	5.27		0.240	2.00	1	04/29/2015 21:08	WG783160
Lead,Dissolved	U		0.240	2.00	1	04/28/2015 21:06	WG784095
Manganese	534		0.250	5.00	1	04/29/2015 21:08	WG783160
Manganese,Dissolved	526		0.250	5.00	1	04/28/2015 21:06	WG784095
Nickel	6.66		0.350	2.00	1	04/29/2015 21:08	WG783160
Nickel,Dissolved	6.35		0.350	2.00	1	04/28/2015 21:06	WG784095
Potassium	4470		37.0	1000	1	04/29/2015 21:08	WG783160
Selenium	U		0.380	2.00	1	04/29/2015 21:08	WG783160
Selenium,Dissolved	0.904	J	0.380	2.00	1	04/28/2015 21:06	WG784095
Sodium	346000		110	1000	1	04/29/2015 21:08	WG783160
Vanadium	0.411	J	0.180	5.00	1	04/29/2015 21:08	WG783160
Vanadium,Dissolved	0.284	J	0.180	5.00	1	04/28/2015 21:06	WG784095

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 12:52	WG783753
Benzene	U		0.330	1.00	1	04/24/2015 12:52	WG783753
Bromodichloromethane	U		0.380	1.00	1	04/24/2015 12:52	WG783753
Bromoform	U		0.470	1.00	1	04/24/2015 12:52	WG783753
Bromomethane	U		0.870	5.00	1	04/24/2015 12:52	WG783753
n-Butylbenzene	U		0.360	1.00	1	04/24/2015 12:52	WG783753
sec-Butylbenzene	U		0.360	1.00	1	04/24/2015 12:52	WG783753
Carbon disulfide	U		0.280	1.00	1	04/24/2015 12:52	WG783753
Carbon tetrachloride	U		0.380	1.00	1	04/24/2015 12:52	WG783753
Chlorobenzene	U		0.350	1.00	1	04/24/2015 12:52	WG783753
Chlorodibromomethane	U		0.330	1.00	1	04/24/2015 12:52	WG783753
Chloroethane	U		0.450	5.00	1	04/24/2015 12:52	WG783753
Chloroform	U		0.320	5.00	1	04/24/2015 12:52	WG783753
Chloromethane	U		0.280	2.50	1	04/24/2015 12:52	WG783753
1,2-Dibromoethane	U		0.380	1.00	1	04/24/2015 12:52	WG783753
1,1-Dichloroethane	U		0.260	1.00	1	04/24/2015 12:52	WG783753
1,2-Dichloroethane	U		0.360	1.00	1	04/24/2015 12:52	WG783753
1,1-Dichloroethene	U		0.400	1.00	1	04/24/2015 12:52	WG783753
cis-1,2-Dichloroethene	U		0.260	1.00	1	04/24/2015 12:52	WG783753
trans-1,2-Dichloroethene	U		0.400	1.00	1	04/24/2015 12:52	WG783753
1,2-Dichloropropane	U		0.310	1.00	1	04/24/2015 12:52	WG783753
cis-1,3-Dichloropropene	U		0.420	1.00	1	04/24/2015 12:52	WG783753
trans-1,3-Dichloropropene	U		0.420	1.00	1	04/24/2015 12:52	WG783753
Ethylbenzene	U		0.380	1.00	1	04/24/2015 12:52	WG783753
Isopropylbenzene	U		0.330	1.00	1	04/24/2015 12:52	WG783753
p-Isopropyltoluene	U		0.350	1.00	1	04/24/2015 12:52	WG783753
2-Butanone (MEK)	U		3.90	10.0	1	04/24/2015 12:52	WG783753
2-Hexanone	U		3.80	10.0	1	04/24/2015 12:52	WG783753
Methylene Chloride	U		1.00	5.00	1	04/24/2015 12:52	WG783753
4-Methyl-2-pentanone (MIBK)	U		2.10	10.0	1	04/24/2015 12:52	WG783753
Methyl tert-butyl ether	3.56		0.370	1.00	1	04/24/2015 12:52	WG783753
Naphthalene	U		1.00	5.00	1	04/24/2015 12:52	WG783753
n-Propylbenzene	U		0.350	1.00	1	04/24/2015 12:52	WG783753
Styrene	U		0.310	1.00	1	04/24/2015 12:52	WG783753
1,1,1,2-Tetrachloroethane	U		0.380	1.00	1	04/24/2015 12:52	WG783753
1,1,2,2-Tetrachloroethane	U		0.130	1.00	1	04/24/2015 12:52	WG783753
Tetrachloroethene	U		0.370	1.00	1	04/24/2015 12:52	WG783753
Toluene	U		0.780	5.00	1	04/24/2015 12:52	WG783753
1,1,1-Trichloroethane	U		0.319	1.00	1	04/24/2015 12:52	WG783753
1,1,2-Trichloroethane	U		0.380	1.00	1	04/24/2015 12:52	WG783753
Trichloroethene	U		0.400	1.00	1	04/24/2015 12:52	WG783753
1,2,4-Trimethylbenzene	U		0.370	1.00	1	04/24/2015 12:52	WG783753
1,3,5-Trimethylbenzene	U		0.390	1.00	1	04/24/2015 12:52	WG783753
Vinyl chloride	U		0.260	1.00	1	04/24/2015 12:52	WG783753
o-Xylene	U		0.340	1.00	1	04/24/2015 12:52	WG783753
m&p-Xylene	U		0.720	1.00	1	04/24/2015 12:52	WG783753
Xylenes, Total	U		1.10	3.00	1	04/24/2015 12:52	WG783753
(S) Toluene-d8	*101*			*88.5-111*		*04/24/2015 12:52*	WG783753
(S) Dibromofluoromethane	*105*			*78.3-121*		*04/24/2015 12:52*	WG783753
(S) 4-Bromofluorobenzene	*89.0*			*71.0-126*		*04/24/2015 12:52*	WG783753

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 22:33	WG783646
(S) o-Terphenyl	*105*			*50.0-150*		*04/23/2015 22:33*	WG783646

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	2850000	H	2800	10000	1	04/27/2015 09:15	WG784001

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Nitrate-Nitrite	4500		20.0	100	1	05/04/2015 11:15	WG786250

Wet Chemistry by Method 9056MOD

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	395000		2600	50000	50	04/29/2015 22:05	WG784968
Fluoride	531		50.0	500	5	05/06/2015 09:17	WG786915
Sulfate	1650000		3900	250000	50	04/29/2015 22:05	WG784968

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	04/29/2015 21:37	WG783160
Arsenic,Dissolved	1.52	J	0.250	2.00	1	04/28/2015 21:08	WG784095
Barium	10.6		0.360	5.00	1	04/29/2015 21:37	WG783160
Barium,Dissolved	10.2		0.360	5.00	1	04/28/2015 21:08	WG784095
Calcium	380000		46.0	1000	1	04/29/2015 21:37	WG783160
Chromium	U		0.540	2.00	1	04/29/2015 21:37	WG783160
Chromium,Dissolved	U		0.540	2.00	1	04/28/2015 21:08	WG784095
Iron	U		15.0	100	1	04/29/2015 21:37	WG783160
Iron,Dissolved	U		15.0	100	1	04/28/2015 21:08	WG784095
Lead	U		0.240	2.00	1	04/29/2015 21:37	WG783160
Lead,Dissolved	U		0.240	2.00	1	04/28/2015 21:08	WG784095
Manganese	1.46	J	0.250	5.00	1	04/29/2015 21:37	WG783160
Manganese,Dissolved	U		0.250	5.00	1	04/28/2015 21:08	WG784095
Potassium	589	J	37.0	1000	1	04/29/2015 21:37	WG783160
Selenium	2.81		0.380	2.00	1	04/29/2015 21:37	WG783160
Selenium,Dissolved	3.64		0.380	2.00	1	04/28/2015 21:08	WG784095
Sodium	105000		110	1000	1	04/29/2015 21:37	WG783160

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 09:18	WG783753
Benzene	U		0.330	1.00	1	04/24/2015 09:18	WG783753
Bromodichloromethane	U		0.380	1.00	1	04/24/2015 09:18	WG783753
Bromoform	U		0.470	1.00	1	04/24/2015 09:18	WG783753
Bromomethane	U		0.870	5.00	1	04/24/2015 09:18	WG783753
n-Butylbenzene	U		0.360	1.00	1	04/24/2015 09:18	WG783753
sec-Butylbenzene	U		0.360	1.00	1	04/24/2015 09:18	WG783753
Carbon disulfide	U		0.280	1.00	1	04/24/2015 09:18	WG783753
Carbon tetrachloride	U		0.380	1.00	1	04/24/2015 09:18	WG783753
Chlorobenzene	U		0.350	1.00	1	04/24/2015 09:18	WG783753
Chlorodibromomethane	U		0.330	1.00	1	04/24/2015 09:18	WG783753
Chloroethane	U		0.450	5.00	1	04/24/2015 09:18	WG783753
Chloroform	U		0.320	5.00	1	04/24/2015 09:18	WG783753
Chloromethane	U		0.280	2.50	1	04/24/2015 09:18	WG783753
1,2-Dibromoethane	U		0.380	1.00	1	04/24/2015 09:18	WG783753
1,1-Dichloroethane	U		0.260	1.00	1	04/24/2015 09:18	WG783753

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,2-Dichloroethane	U	F	0.360	1.00	1	04/24/2015 09:18	WG783753
1,1-Dichloroethene	U		0.400	1.00	1	04/24/2015 09:18	WG783753
cis-1,2-Dichloroethene	U		0.260	1.00	1	04/24/2015 09:18	WG783753
trans-1,2-Dichloroethene	U		0.400	1.00	1	04/24/2015 09:18	WG783753
1,2-Dichloropropane	U		0.310	1.00	1	04/24/2015 09:18	WG783753
cis-1,3-Dichloropropene	U		0.420	1.00	1	04/24/2015 09:18	WG783753
trans-1,3-Dichloropropene	U		0.420	1.00	1	04/24/2015 09:18	WG783753
Ethylbenzene	U		0.380	1.00	1	04/24/2015 09:18	WG783753
Isopropylbenzene	U		0.330	1.00	1	04/24/2015 09:18	WG783753
p-Isopropyltoluene	U		0.350	1.00	1	04/24/2015 09:18	WG783753
2-Butanone (MEK)	U		3.90	10.0	1	04/24/2015 09:18	WG783753
2-Hexanone	U		3.80	10.0	1	04/24/2015 09:18	WG783753
Methylene Chloride	U		1.00	5.00	1	04/24/2015 09:18	WG783753
4-Methyl-2-pentanone (MIBK)	U		2.10	10.0	1	04/24/2015 09:18	WG783753
Methyl tert-butyl ether	U		0.370	1.00	1	04/24/2015 09:18	WG783753
Naphthalene	U		1.00	5.00	1	04/24/2015 09:18	WG783753
n-Propylbenzene	U		0.350	1.00	1	04/24/2015 09:18	WG783753
Styrene	U		0.310	1.00	1	04/24/2015 09:18	WG783753
1,1,1,2-Tetrachloroethane	U		0.380	1.00	1	04/24/2015 09:18	WG783753
1,1,2,2-Tetrachloroethane	U		0.130	1.00	1	04/24/2015 09:18	WG783753
Tetrachloroethene	U		0.370	1.00	1	04/24/2015 09:18	WG783753
Toluene	U		0.780	5.00	1	04/24/2015 09:18	WG783753
1,1,1-Trichloroethane	U		0.319	1.00	1	04/24/2015 09:18	WG783753
1,1,2-Trichloroethane	U		0.380	1.00	1	04/24/2015 09:18	WG783753
Trichloroethene	U		0.400	1.00	1	04/24/2015 09:18	WG783753
1,2,4-Trimethylbenzene	U		0.370	1.00	1	04/24/2015 09:18	WG783753
1,3,5-Trimethylbenzene	U		0.390	1.00	1	04/24/2015 09:18	WG783753
Vinyl chloride	U		0.260	1.00	1	04/24/2015 09:18	WG783753
o-Xylene	U		0.340	1.00	1	04/24/2015 09:18	WG783753
m&p-Xylene	U		0.720	1.00	1	04/24/2015 09:18	WG783753
Xylenes, Total	U		1.10	3.00	1	04/24/2015 09:18	WG783753
(S) Toluene-d8	*103*			*88.5-111*		*04/24/2015 09:18*	WG783753
(S) Dibromofluoromethane	*102*			*78.3-121*		*04/24/2015 09:18*	WG783753
(S) 4-Bromofluorobenzene	*90.3*			*71.0-126*		*04/24/2015 09:18*	WG783753

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	83.2	J	25.0	100	1	04/23/2015 22:50	WG783646
(S) o-Terphenyl	*102*			*50.0-150*		*04/23/2015 22:50*	WG783646

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 15:47	WG785315
Benzene	U		0.330	1.00	1	04/30/2015 15:47	WG785315
Bromodichloromethane	U		0.380	1.00	1	04/30/2015 15:47	WG785315
Bromoform	U		0.470	1.00	1	04/30/2015 15:47	WG785315
Bromomethane	U		0.870	5.00	1	04/30/2015 15:47	WG785315
n-Butylbenzene	U		0.360	1.00	1	04/30/2015 15:47	WG785315
sec-Butylbenzene	U		0.360	1.00	1	04/30/2015 15:47	WG785315
Carbon disulfide	U	*	0.280	1.00	1	04/30/2015 15:47	WG785315
Carbon tetrachloride	U		0.380	1.00	1	04/30/2015 15:47	WG785315
Chlorobenzene	U		0.350	1.00	1	04/30/2015 15:47	WG785315
Chlorodibromomethane	U		0.330	1.00	1	04/30/2015 15:47	WG785315
Chloroethane	U		0.450	5.00	1	04/30/2015 15:47	WG785315
Chloroform	U		0.320	5.00	1	04/30/2015 15:47	WG785315
Chloromethane	U		0.280	2.50	1	04/30/2015 15:47	WG785315
1,2-Dibromoethane	U		0.380	1.00	1	04/30/2015 15:47	WG785315
1,1-Dichloroethane	U		0.260	1.00	1	04/30/2015 15:47	WG785315
1,2-Dichloroethane	U		0.360	1.00	1	04/30/2015 15:47	WG785315
1,1-Dichloroethene	U	*	0.400	1.00	1	04/30/2015 15:47	WG785315
cis-1,2-Dichloroethene	U		0.260	1.00	1	04/30/2015 15:47	WG785315
trans-1,2-Dichloroethene	U		0.400	1.00	1	04/30/2015 15:47	WG785315
1,2-Dichloropropane	U		0.310	1.00	1	04/30/2015 15:47	WG785315
cis-1,3-Dichloropropene	U		0.420	1.00	1	04/30/2015 15:47	WG785315
trans-1,3-Dichloropropene	U		0.420	1.00	1	04/30/2015 15:47	WG785315
Ethylbenzene	U		0.380	1.00	1	04/30/2015 15:47	WG785315
Isopropylbenzene	U		0.330	1.00	1	04/30/2015 15:47	WG785315
p-Isopropyltoluene	U		0.350	1.00	1	04/30/2015 15:47	WG785315
2-Butanone (MEK)	U		3.90	10.0	1	04/30/2015 15:47	WG785315
2-Hexanone	U		3.80	10.0	1	04/30/2015 15:47	WG785315
Methylene Chloride	U	*	1.00	5.00	1	04/30/2015 15:47	WG785315
4-Methyl-2-pentanone (MIBK)	U		2.10	10.0	1	04/30/2015 15:47	WG785315
Methyl tert-butyl ether	U	*	0.370	1.00	1	04/30/2015 15:47	WG785315
Naphthalene	U		1.00	5.00	1	04/30/2015 15:47	WG785315
n-Propylbenzene	U		0.350	1.00	1	04/30/2015 15:47	WG785315
Styrene	U		0.310	1.00	1	04/30/2015 15:47	WG785315
1,1,1,2-Tetrachloroethane	U		0.380	1.00	1	04/30/2015 15:47	WG785315
1,1,2,2-Tetrachloroethane	U		0.130	1.00	1	04/30/2015 15:47	WG785315
Tetrachloroethene	U		0.370	1.00	1	04/30/2015 15:47	WG785315
Toluene	U		0.780	5.00	1	04/30/2015 15:47	WG785315
1,1,1-Trichloroethane	U		0.319	1.00	1	04/30/2015 15:47	WG785315
1,1,2-Trichloroethane	U		0.380	1.00	1	04/30/2015 15:47	WG785315
Trichloroethene	U		0.400	1.00	1	04/30/2015 15:47	WG785315
1,2,4-Trimethylbenzene	U		0.370	1.00	1	04/30/2015 15:47	WG785315
1,3,5-Trimethylbenzene	U		0.390	1.00	1	04/30/2015 15:47	WG785315
Vinyl chloride	U		0.260	1.00	1	04/30/2015 15:47	WG785315
o-Xylene	U		0.340	1.00	1	04/30/2015 15:47	WG785315
m&p-Xylene	U		0.720	1.00	1	04/30/2015 15:47	WG785315
Xylenes, Total	U		1.10	3.00	1	04/30/2015 15:47	WG785315
(S) Toluene-d8	*103*			*88.5-111*		*04/30/2015 15:47*	WG785315
(S) Dibromofluoromethane	*96.2*			*78.3-121*		*04/30/2015 15:47*	WG785315
(S) 4-Bromofluorobenzene	*106*			*71.0-126*		*04/30/2015 15:47*	WG785315

Method Blank (MB)

(MB) 04/27/15 09:09

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

L760276-02 Original Sample (OS) • Duplicate (DUP)

(OS) 04/24/15 16:35 • (DUP) 04/27/15 09:14

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

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

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	8520	8540	96.8	97.0	85.0-115			0.234	5

Method Blank (MB)

(MB) 04/27/15 08:36

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL 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

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

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	8700	98.1	98.9	85.0-115			0.808	5

Method Blank (MB)

(MB) 05/04/15 10:45

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL 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

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

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

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Nitrate-Nitrite	5.00	5.23	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

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Nitrate-Nitrite	5.00	4.34	9.05	8.59	95.0	85.8	1	90.0-110		F	5.22	20

Method Blank (MB)

(MB) 04/30/15 12:52

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL 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

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

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

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

Method Blank (MB)

(MB) 05/01/15 14:43

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL 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

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

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

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Cyanide	0.100	0.108	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

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 %
Cyanide	0.200	ND	0.194	0.198	97.0	99.0	1	90.0-110			2.04	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

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

Method Blank (MB)

(MB) 05/04/15 13:21

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL 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

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

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

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 %
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

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	1.45	6.34	6.47	98	100	1	80-120			2	20

Method Blank (MB)

(MB) 05/06/15 00:11

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Fluoride	U		0.0099	0.100

L763138-02 Original Sample (OS) • Duplicate (DUP)

(OS) 05/06/15 02:06 • (DUP) 05/06/15 02:21

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Fluoride	0.154	0.172	1	11		20

L761419-07 Original Sample (OS) • Duplicate (DUP)

(OS) 05/06/15 13:23 • (DUP) 05/06/15 13:38

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Fluoride	0.128	0.146	1	13		20

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

(LCS) 05/06/15 00:25 • (LCSD) 05/06/15 00:40

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 %
Fluoride	8.00	8.07	8.07	101	101	90-110			0	20

L763138-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 05/06/15 02:35 • (MS) 05/06/15 02:50 • (MSD) 05/06/15 03:04

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 %
Fluoride	5.00	0.162	5.06	5.17	98	100	1	80-120			2	20

Method Blank (MB)

(MB) 04/21/15 11:43

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL 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

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	0.00290	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

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

Method Blank (MB)

(MB) 04/29/15 20:08

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	0.00134		0.00054	0.00200
Iron	0.0856		0.015	0.100
Lead	U		0.00024	0.00200
Manganese	0.000588		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	U		0.00018	0.00500

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

(LCS) 04/29/15 20:11 • (LCSD) 04/29/15 20:13

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	0.0499	0.0459	100	92	80-120			8	20
Barium	0.0500	0.0483	0.0466	97	93	80-120			4	20
Calcium	5.00	4.83	4.62	97	92	80-120			4	20
Chromium	0.0500	0.0478	0.0466	96	93	80-120			2	20
Iron	5.00	4.62	4.46	92	89	80-120			4	20
Lead	0.0500	0.0492	0.0479	98	96	80-120			3	20
Manganese	0.0500	0.0488	0.0469	98	94	80-120			4	20
Nickel	0.0500	0.0486	0.0473	97	95	80-120			3	20
Potassium	5.00	4.84	4.70	97	94	80-120			3	20
Selenium	0.0500	0.0480	0.0464	96	93	80-120			3	20
Sodium	5.00	4.92	4.73	98	95	80-120			4	20
Vanadium	0.0500	0.0474	0.0464	95	93	80-120			2	20

L760281-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 04/29/15 20:15 • (MS) 04/29/15 20:20 • (MSD) 04/29/15 20:22

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	0.0000903	0.0471	0.0466	94	93	1	75-125			1	20
Barium	0.0500	0.0000954	0.0465	0.0456	93	91	1	75-125			2	20
Calcium	5.00	0.0324	4.82	4.45	96	88	1	75-125			8	20
Chromium	0.0500	0.000280	0.0471	0.0455	94	90	1	75-125			4	20
Potassium	5.00	ND	4.71	4.58	94	92	1	75-125			3	20
Iron	5.00	0.00245	4.48	4.39	90	88	1	75-125			2	20
Lead	0.0500	0.0000957	0.0487	0.0450	97	90	1	75-125			8	20
Manganese	0.0500	0.000119	0.0468	0.0463	93	92	1	75-125			1	20
Nickel	0.0500	0.000137	0.0477	0.0467	95	93	1	75-125			2	20
Selenium	0.0500	ND	0.0468	0.0459	94	92	1	75-125			2	20
Sodium	5.00	0.0755	4.82	4.70	95	92	1	75-125			3	20
Vanadium	0.0500	0.0000560	0.0470	0.0458	94	91	1	75-125			3	20

Method Blank (MB)

(MB) 04/28/15 19:23

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	mg/l		mg/l	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

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

(LCS) 04/28/15 19:26 • (LCSD) 04/28/15 19:28

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	mg/l	mg/l	mg/l	%	%	%			%	%
Arsenic,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	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	mg/l	mg/l	mg/l	mg/l	%	%		%			%	%
Arsenic,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

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*

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 06:42

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

Method Blank (MB)

(MB) 04/24/15 06:42

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	*105*			*78.3-121*
(S) 4-Bromofluorobenzene	*92.3*			*71.0-126*

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

(LCS) 04/24/15 05:18 • (LCSD) 04/24/15 05:39

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	0.132	0.138	105	111	35.6-163			5.10	23.9
Benzene	0.0250	0.0245	0.0249	97.9	99.6	74.8-121			1.81	20
Bromodichloromethane	0.0250	0.0282	0.0280	113	112	75.1-116			0.900	20
Bromoform	0.0250	0.0256	0.0265	103	106	67.5-130			3.25	20
Bromomethane	0.0250	0.0275	0.0276	110	111	49.9-162			0.500	20
n-Butylbenzene	0.0250	0.0305	0.0310	122	124	76.2-126			1.36	20
sec-Butylbenzene	0.0250	0.0249	0.0256	99.7	102	74.4-127			2.48	20
Carbon disulfide	0.0250	0.0264	0.0267	106	107	64.6-140			0.840	20
Carbon tetrachloride	0.0250	0.0291	0.0294	116	118	70.2-123			0.960	20
Chlorobenzene	0.0250	0.0239	0.0243	95.6	97.2	78.1-119			1.62	20
Chlorodibromomethane	0.0250	0.0249	0.0260	99.6	104	74.0-121			4.22	20
Chloroethane	0.0250	0.0261	0.0272	104	109	61.7-135			4.30	20
Chloroform	0.0250	0.0262	0.0264	105	106	76.0-121			0.670	20
Chloromethane	0.0250	0.0236	0.0236	94.5	94.5	61.5-129			0.0500	20
1,2-Dibromoethane	0.0250	0.0230	0.0231	91.8	92.5	76.6-121			0.730	20
1,1-Dichloroethane	0.0250	0.0266	0.0276	107	110	70.7-126			3.51	20

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

(LCS) 04/24/15 05:18 • (LCSD) 04/24/15 05:39

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
1,2-Dichloroethane	0.0250	0.0307	0.0306	123	123	68.8-124			0.160	20
1,1-Dichloroethene	0.0250	0.0304	0.0302	122	121	67.8-129			0.650	20
cis-1,2-Dichloroethene	0.0250	0.0240	0.0249	96.0	99.6	76.0-119			3.66	20
trans-1,2-Dichloroethene	0.0250	0.0250	0.0251	99.9	100	72.6-121			0.470	20
1,2-Dichloropropane	0.0250	0.0266	0.0263	106	105	76.5-119			0.970	20
cis-1,3-Dichloropropene	0.0250	0.0284	0.0271	114	109	78.2-120			4.58	20
trans-1,3-Dichloropropene	0.0250	0.0245	0.0253	98.2	101	74.3-123			2.97	20
Ethylbenzene	0.0250	0.0241	0.0248	96.5	99.1	78.8-122			2.67	20
2-Hexanone	0.125	0.116	0.124	92.8	99.3	65.6-144			6.79	20
Isopropylbenzene	0.0250	0.0242	0.0247	96.8	98.9	78.6-132			2.09	20
p-Isopropyltoluene	0.0250	0.0257	0.0259	103	104	74.0-131			0.930	20
2-Butanone (MEK)	0.125	0.139	0.146	111	116	55.0-149			4.94	20
Methylene Chloride	0.0250	0.0233	0.0247	93.3	98.7	70.3-120			5.64	20
4-Methyl-2-pentanone (MIBK)	0.125	0.136	0.137	109	110	70.5-133			0.400	20
Methyl tert-butyl ether	0.0250	0.0242	0.0243	96.9	97.2	71.2-126			0.350	20
Naphthalene	0.0250	0.0224	0.0220	89.6	88.1	68.4-128			1.75	20
n-Propylbenzene	0.0250	0.0254	0.0261	102	104	78.2-122			2.48	20
Styrene	0.0250	0.0223	0.0213	89.3	85.3	80.4-126			4.60	20
1,1,1,2-Tetrachloroethane	0.0250	0.0256	0.0258	102	103	74.2-124			0.780	20
1,1,2,2-Tetrachloroethane	0.0250	0.0232	0.0235	92.9	93.8	70.7-122			1.03	20
Tetrachloroethene	0.0250	0.0257	0.0257	103	103	72.6-126			0.290	20
Toluene	0.0250	0.0248	0.0245	99.3	98.0	79.7-116			1.39	20
1,1,1-Trichloroethane	0.0250	0.0301	0.0298	120	119	73.2-123			0.810	20
1,1,2-Trichloroethane	0.0250	0.0228	0.0228	91.3	91.3	77.7-118			0.0200	20
Trichloroethene	0.0250	0.0241	0.0243	96.6	97.3	77.7-118			0.740	20
1,2,4-Trimethylbenzene	0.0250	0.0240	0.0246	96.0	98.5	75.0-123			2.55	20
1,3,5-Trimethylbenzene	0.0250	0.0240	0.0242	96.1	96.9	75.6-124			0.850	20
Vinyl chloride	0.0250	0.0266	0.0263	106	105	65.9-128			0.870	20
Xylenes, Total	0.0750	0.0712	0.0720	94.9	96.0	78.7-121			1.09	20
o-Xylene	0.0250	0.0232	0.0239	92.8	95.8	77.6-122			3.12	20
m&p-Xylenes	0.0500	0.0480	0.0481	96.0	96.1	78.8-121			0.100	20
(S) Toluene-d8				*103*	*101*	*88.5-111*				
(S) Dibromofluoromethane				*102*	*101*	*78.3-121*				
(S) 4-Bromofluorobenzene				*92.0*	*92.6*	*71.0-126*				

L760280-11 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 04/24/15 09:18 • (MS) 04/24/15 07:12 • (MSD) 04/24/15 07:33

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	0.00212	0.131	0.135	103	107	1	10.0-130			3.02	27.9
Benzene	0.0250	ND	0.0251	0.0244	100	97.7	1	54.3-133			2.64	20
Bromodichloromethane	0.0250	ND	0.0280	0.0291	112	116	1	63.9-121			3.80	20
Bromoform	0.0250	ND	0.0277	0.0287	111	115	1	59.5-134			3.66	20.5
Bromomethane	0.0250	ND	0.0254	0.0265	101	106	1	41.7-155			4.45	21.9
n-Butylbenzene	0.0250	ND	0.0295	0.0305	118	122	1	62.7-140			3.19	20.3
sec-Butylbenzene	0.0250	ND	0.0256	0.0262	102	105	1	62.2-136			2.43	20.3
Carbon disulfide	0.0250	ND	0.0264	0.0262	105	105	1	43.3-149			0.560	20.3
Carbon tetrachloride	0.0250	ND	0.0296	0.0292	118	117	1	55.7-134			1.17	20
Chlorobenzene	0.0250	ND	0.0242	0.0251	96.9	100	1	67.0-125			3.53	20
Chlorodibromomethane	0.0250	ND	0.0259	0.0273	104	109	1	64.3-125			5.28	20.8
Chloroethane	0.0250	ND	0.0259	0.0266	104	106	1	51.5-136			2.62	40
Chloroform	0.0250	ND	0.0274	0.0263	110	105	1	63.0-129			4.04	20
Chloromethane	0.0250	ND	0.0238	0.0239	95.1	95.6	1	42.4-135			0.540	20
1,2-Dibromoethane	0.0250	ND	0.0243	0.0257	97.2	103	1	67.1-125			5.69	20
1,1-Dichloroethane	0.0250	ND	0.0275	0.0270	110	108	1	58.5-132			2.09	20
1,2-Dichloroethane	0.0250	ND	0.0321	0.0321	128	128	1	60.0-126	F	F	0.170	20
1,1-Dichloroethene	0.0250	ND	0.0309	0.0303	123	121	1	51.1-140			2.01	20.2
cis-1,2-Dichloroethene	0.0250	ND	0.0251	0.0245	101	98.0	1	59.2-129			2.52	20
trans-1,2-Dichloroethene	0.0250	ND	0.0256	0.0242	102	97.0	1	56.5-129			5.27	20
1,2-Dichloropropane	0.0250	ND	0.0252	0.0263	101	105	1	64.2-123			4.26	20
cis-1,3-Dichloropropene	0.0250	ND	0.0268	0.0280	107	112	1	66.4-125			4.60	20
trans-1,3-Dichloropropene	0.0250	ND	0.0244	0.0239	97.6	95.7	1	64.1-128			2.00	20
Ethylbenzene	0.0250	ND	0.0244	0.0255	97.4	102	1	61.4-133			4.77	20
2-Hexanone	0.125	ND	0.130	0.141	104	112	1	43.3-137			8.19	25.5
Isopropylbenzene	0.0250	ND	0.0248	0.0254	99.2	102	1	66.8-141			2.30	20
p-Isopropyltoluene	0.0250	ND	0.0258	0.0272	103	109	1	63.2-139			5.48	20.4
2-Butanone (MEK)	0.125	ND	0.150	0.159	120	127	1	22.4-138			5.78	27
Methylene Chloride	0.0250	0.000306	0.0249	0.0243	98.4	96.0	1	58.1-122			2.41	20
4-Methyl-2-pentanone (MIBK)	0.125	ND	0.153	0.169	122	135	1	60.8-140			10.4	25.1
Methyl tert-butyl ether	0.0250	ND	0.0261	0.0268	104	107	1	57.7-134			2.66	20
Naphthalene	0.0250	ND	0.0246	0.0265	98.2	106	1	58.0-135			7.48	25.5
n-Propylbenzene	0.0250	ND	0.0257	0.0267	103	107	1	65.9-131			3.59	20
Styrene	0.0250	ND	0.0206	0.0210	82.4	83.9	1	66.8-133			1.83	20
1,1,1,2-Tetrachloroethane	0.0250	ND	0.0258	0.0267	103	107	1	64.0-128			3.32	20
1,1,2,2-Tetrachloroethane	0.0250	ND	0.0253	0.0279	101	112	1	56.0-132			9.57	22.2

L760280-11 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 04/24/15 09:18 • (MS) 04/24/15 07:12 • (MSD) 04/24/15 07:33

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Tetrachloroethene	0.0250	ND	0.0249	0.0268	99.4	107	1	53.0-139			7.41	20
Toluene	0.0250	ND	0.0242	0.0248	96.7	99.4	1	61.4-130			2.70	20
1,1,1-Trichloroethane	0.0250	ND	0.0302	0.0292	121	117	1	58.7-134			3.29	20
1,1,2-Trichloroethane	0.0250	ND	0.0241	0.0252	96.4	101	1	66.3-125			4.47	20
Trichloroethene	0.0250	ND	0.0239	0.0243	95.7	97.1	1	44.1-149			1.36	20
1,2,4-Trimethylbenzene	0.0250	ND	0.0245	0.0258	97.8	103	1	57.4-137			5.25	20
1,3,5-Trimethylbenzene	0.0250	ND	0.0248	0.0254	99.2	102	1	63.6-132			2.46	20.5
Vinyl chloride	0.0250	ND	0.0259	0.0261	103	104	1	47.8-137			0.910	20
Xylenes, Total	0.0750	ND	0.0710	0.0729	94.7	97.2	1	63.3-131			2.54	20
o-Xylene	0.0250	ND	0.0238	0.0242	95.1	96.7	1	63.3-130			1.65	20
m&p-Xylenes	0.0500	ND	0.0473	0.0487	94.5	97.4	1	61.7-133			2.98	20
(S) Toluene-d8					*101*	*103*		*88.5-111*				
(S) Dibromofluoromethane					*105*	*104*		*78.3-121*				
(S) 4-Bromofluorobenzene					*93.6*	*97.4*		*71.0-126*				

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

Method Blank (MB)

(MB) 04/29/15 21:37

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	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	0.00100
(S) Toluene-d8	*105*			*88.5-111*
(S) Dibromofluoromethane	*107*			*78.3-121*
(S) 4-Bromofluorobenzene	*111*			*71.0-126*

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

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 %
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
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*				

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
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

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 %
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
1,3,5-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*				

Method Blank (MB)

(MB) 04/30/15 10:53

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

Method Blank (MB)

(MB) 04/30/15 10:53

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	*92.9*			*78.3-121*
(S) 4-Bromofluorobenzene	*105*			*71.0-126*

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 %
Acetone	0.125	0.170	0.134	136	107	35.6-163			23.5	23.9
Benzene	0.0250	0.0238	0.0229	95.3	91.5	74.8-121			4.09	20
Bromodichloromethane	0.0250	0.0240	0.0223	96.0	89.1	75.1-116			7.42	20
Bromoform	0.0250	0.0266	0.0257	106	103	67.5-130			3.54	20
Bromomethane	0.0250	0.0180	0.0171	72.1	68.3	49.9-162			5.41	20
n-Butylbenzene	0.0250	0.0238	0.0233	95.1	93.0	76.2-126			2.23	20
sec-Butylbenzene	0.0250	0.0259	0.0254	103	101	74.4-127			1.96	20
Carbon disulfide	0.0250	0.0238	0.0192	95.2	76.7	64.6-140		*	21.6	20
Carbon tetrachloride	0.0250	0.0254	0.0240	101	96.0	70.2-123			5.49	20
Chlorobenzene	0.0250	0.0253	0.0252	101	101	78.1-119			0.460	20
Chlorodibromomethane	0.0250	0.0253	0.0248	101	99.1	74.0-121			2.12	20
Chloroethane	0.0250	0.0207	0.0193	82.7	77.1	61.7-135			7.00	20
Chloroform	0.0250	0.0233	0.0224	93.1	89.5	76.0-121			4.03	20
Chloromethane	0.0250	0.0177	0.0162	70.6	64.9	61.5-129			8.37	20
1,2-Dibromoethane	0.0250	0.0258	0.0259	103	104	76.6-121			0.370	20
1,1-Dichloroethane	0.0250	0.0242	0.0228	96.6	91.2	70.7-126			5.79	20

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 %
1,2-Dichloroethane	0.0250	0.0236	0.0228	94.5	91.1	68.8-124			3.75	20
1,1-Dichloroethene	0.0250	0.0232	0.0186	92.6	74.6	67.8-129		*	21.6	20
cis-1,2-Dichloroethene	0.0250	0.0253	0.0233	101	93.2	76.0-119			8.42	20
trans-1,2-Dichloroethene	0.0250	0.0249	0.0204	99.5	81.7	72.6-121			19.7	20
1,2-Dichloropropane	0.0250	0.0245	0.0240	97.9	96.0	76.5-119			1.98	20
cis-1,3-Dichloropropene	0.0250	0.0262	0.0248	105	99.2	78.2-120			5.48	20
trans-1,3-Dichloropropene	0.0250	0.0269	0.0250	108	99.8	74.3-123			7.61	20
Ethylbenzene	0.0250	0.0250	0.0245	100	98.2	78.8-122			1.95	20
2-Hexanone	0.125	0.140	0.135	112	108	65.6-144			3.73	20
Isopropylbenzene	0.0250	0.0254	0.0251	101	100	78.6-132			0.990	20
p-Isopropyltoluene	0.0250	0.0261	0.0256	104	102	74.0-131			1.93	20
2-Butanone (MEK)	0.125	0.143	0.133	114	106	55.0-149			7.12	20
Methylene Chloride	0.0250	0.0247	0.0192	98.8	77.0	70.3-120		*	24.8	20
4-Methyl-2-pentanone (MIBK)	0.125	0.124	0.115	99.1	92.0	70.5-133			7.40	20
Methyl tert-butyl ether	0.0250	0.0257	0.0209	103	83.4	71.2-126		*	20.9	20
Naphthalene	0.0250	0.0240	0.0226	96.2	90.5	68.4-128			6.11	20
n-Propylbenzene	0.0250	0.0249	0.0248	99.8	99.3	78.2-122			0.520	20
Styrene	0.0250	0.0265	0.0258	106	103	80.4-126			2.55	20
1,1,1,2-Tetrachloroethane	0.0250	0.0256	0.0263	102	105	74.2-124			2.63	20
1,1,2,2-Tetrachloroethane	0.0250	0.0251	0.0251	100	100	70.7-122			0.0200	20
Tetrachloroethene	0.0250	0.0257	0.0255	103	102	72.6-126			0.760	20
Toluene	0.0250	0.0243	0.0232	97.3	92.9	79.7-116			4.72	20
1,1,1-Trichloroethane	0.0250	0.0247	0.0235	98.8	94.0	73.2-123			5.06	20
1,1,2-Trichloroethane	0.0250	0.0243	0.0244	97.4	97.7	77.7-118			0.350	20
Trichloroethene	0.0250	0.0261	0.0253	104	101	77.7-118			3.08	20
1,2,4-Trimethylbenzene	0.0250	0.0252	0.0250	101	99.9	75.0-123			0.790	20
1,3,5-Trimethylbenzene	0.0250	0.0248	0.0250	99.2	100	75.6-124			0.780	20
Vinyl chloride	0.0250	0.0194	0.0188	77.6	75.2	65.9-128			3.16	20
Xylenes, Total	0.0750	0.0760	0.0753	101	100	78.7-121			1.02	20
o-Xylene	0.0250	0.0251	0.0254	100	102	77.6-122			1.34	20
m&p-Xylenes	0.0500	0.0509	0.0498	102	99.7	78.8-121			2.20	20
(S) Toluene-d8				*104*	*103*	*88.5-111*				
(S) Dibromofluoromethane				*98.6*	*98.3*	*78.3-121*				
(S) 4-Bromofluorobenzene				*103*	*106*	*71.0-126*				

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

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 %
Acetone	0.125	ND	0.153	0.118	123	94.0	1	10.0-130			26.5	27.9
Benzene	0.0250	0.0770	0.102	0.0989	101	87.7	1	54.3-133			3.38	20
Bromodichloromethane	0.0250	ND	0.0250	0.0219	99.9	87.7	1	63.9-121			13.0	20
Bromoform	0.0250	ND	0.0301	0.0258	120	103	1	59.5-134			15.7	20.5
Bromomethane	0.0250	ND	0.0175	0.0146	70.1	58.5	1	41.7-155			18.0	21.9
n-Butylbenzene	0.0250	0.00116	0.0277	0.0247	106	94.2	1	62.7-140			11.6	20.3
sec-Butylbenzene	0.0250	0.00245	0.0314	0.0273	116	99.5	1	62.2-136			14.0	20.3
Carbon disulfide	0.0250	0.00106	0.0263	0.0213	101	81.1	1	43.3-149		*	20.9	20.3
Carbon tetrachloride	0.0250	ND	0.0221	0.0202	88.6	80.6	1	55.7-134			9.39	20
Chlorobenzene	0.0250	ND	0.0285	0.0246	114	98.4	1	67.0-125			14.7	20
Chlorodibromomethane	0.0250	ND	0.0288	0.0246	115	98.5	1	64.3-125			15.7	20.8
Chloroethane	0.0250	ND	0.0210	0.0188	84.2	75.1	1	51.5-136			11.4	40
Chloroform	0.0250	ND	0.0294	0.0267	117	107	1	63.0-129			9.66	20
Chloromethane	0.0250	ND	0.0209	0.0185	83.7	74.0	1	42.4-135			12.4	20
1,2-Dibromoethane	0.0250	ND	0.0300	0.0248	120	99.1	1	67.1-125			19.2	20
1,1-Dichloroethane	0.0250	ND	0.0263	0.0231	105	92.2	1	58.5-132			13.3	20
1,2-Dichloroethane	0.0250	ND	0.0259	0.0228	104	91.3	1	60.0-126			12.6	20
1,1-Dichloroethene	0.0250	ND	0.0222	0.0192	88.8	76.8	1	51.1-140			14.5	20.2
cis-1,2-Dichloroethene	0.0250	ND	0.0271	0.0241	108	96.4	1	59.2-129			11.7	20
trans-1,2-Dichloroethene	0.0250	ND	0.0260	0.0204	104	81.8	1	56.5-129		*	24.0	20
1,2-Dichloropropane	0.0250	ND	0.0274	0.0245	109	98.0	1	64.2-123			11.1	20
cis-1,3-Dichloropropene	0.0250	ND	0.0279	0.0246	112	98.6	1	66.4-125			12.4	20
trans-1,3-Dichloropropene	0.0250	ND	0.0309	0.0264	124	106	1	64.1-128			15.7	20
Ethylbenzene	0.0250	0.00274	0.0310	0.0267	113	96.0	1	61.4-133			14.7	20
2-Hexanone	0.125	ND	0.149	0.126	119	101	1	43.3-137			17.0	25.5
Isopropylbenzene	0.0250	0.0140	0.0429	0.0390	115	100	1	66.8-141			9.40	20
p-Isopropyltoluene	0.0250	0.000537	0.0296	0.0255	116	99.9	1	63.2-139			14.9	20.4
2-Butanone (MEK)	0.125	ND	0.141	0.123	113	98.6	1	22.4-138			13.8	27
Methylene Chloride	0.0250	ND	0.0256	0.0197	103	78.9	1	58.1-122		*	26.1	20
4-Methyl-2-pentanone (MIBK)	0.125	ND	0.145	0.126	116	100	1	60.8-140			14.5	25.1
Methyl tert-butyl ether	0.0250	0.0553	0.0767	0.0672	86.0	47.7	1	57.7-134		F	13.3	20
Naphthalene	0.0250	0.00117	0.0294	0.0258	113	98.5	1	58.0-135			13.2	25.5
n-Propylbenzene	0.0250	0.00957	0.0379	0.0341	113	98.2	1	65.9-131			10.4	20
Styrene	0.0250	ND	0.0289	0.0251	116	100	1	66.8-133			14.1	20
1,1,1,2-Tetrachloroethane	0.0250	ND	0.0286	0.0247	115	98.6	1	64.0-128			15.0	20
1,1,2,2-Tetrachloroethane	0.0250	ND	0.0300	0.0255	120	102	1	56.0-132			16.2	22.2

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 %
Tetrachloroethene	0.0250	ND	0.0285	0.0241	114	96.3	1	53.0-139			16.7	20
Toluene	0.0250	0.000587	0.0267	0.0240	105	93.6	1	61.4-130			10.8	20
1,1,1-Trichloroethane	0.0250	ND	0.0243	0.0217	97.1	86.6	1	58.7-134			11.4	20
1,1,2-Trichloroethane	0.0250	ND	0.0299	0.0253	120	101	1	66.3-125			16.8	20
Trichloroethene	0.0250	ND	0.0282	0.0248	113	99.3	1	44.1-149			12.8	20
1,2,4-Trimethylbenzene	0.0250	0.00954	0.0384	0.0336	115	96.2	1	57.4-137			13.4	20
1,3,5-Trimethylbenzene	0.0250	0.000367	0.0280	0.0240	111	94.7	1	63.6-132			15.3	20.5
Vinyl chloride	0.0250	ND	0.0210	0.0184	83.8	73.4	1	47.8-137			13.2	20
Xylenes, Total	0.0750	0.0175	0.103	0.0914	114	98.5	1	63.3-131			12.2	20
o-Xylene	0.0250	ND	0.0281	0.0250	112	99.9	1	63.3-130			11.8	20
m&p-Xylenes	0.0500	0.0175	0.0752	0.0665	115	97.9	1	61.7-133			12.3	20
(S) Toluene-d8					*104*	*104*		*88.5-111*				
(S) Dibromofluoromethane					*99.2*	*97.8*		*78.3-121*				
(S) 4-Bromofluorobenzene					*104*	*102*		*71.0-126*				

Method Blank (MB)

(MB) 04/23/15 10:34

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	*96.7*			*50.0-150*

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

(LCS) 04/23/15 10:52 • (LCSD) 04/23/15 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 %
TPH (GC/FID) High Fraction	1.50	1.59	1.64	106	109	50.0-150			3.38	20
(S) o-Terphenyl				*102*	*104*	*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
*	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	Oustide holding time.
J	Estimated value.

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

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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
Conneticut	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 [1 4]	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		

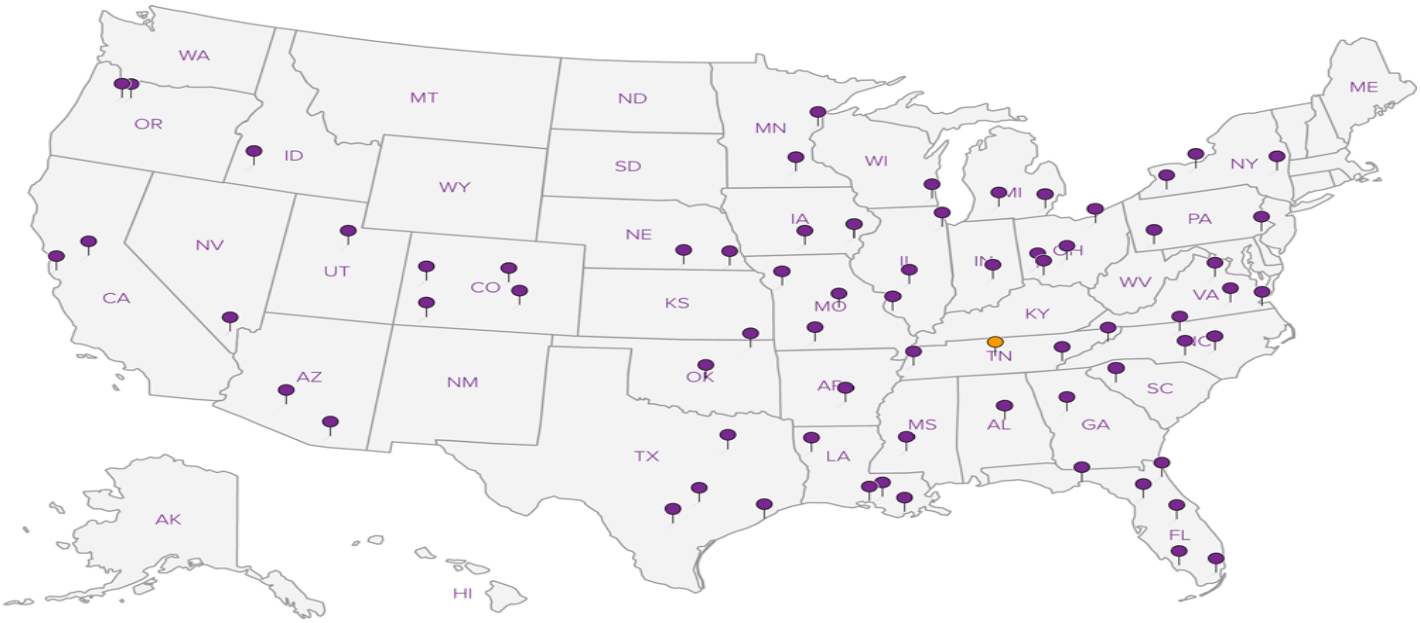
[1.] Drinking Water [2.] Underground Storage Tanks [3.] Aquatic Toxicity [4.] Chemical/Microbiological [5.] Mold [n/a] Accreditation not applicable

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.
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Project: Navajo Refining Company

City/State Collected: Artesia, NM

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

NCL TX000836.0007.15006 ✓

Lab Project # ARCADHTX-NAVAJO FULL

Collected by (print): Cameron Haberl

Site/Facility ID # HMI

P.O. #

Collected by (signature): Scott Uck

Immediately Iced? N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Next Day 100%
___ Two Day 50%
___ Three Day 25%

Date Results Needed

Email? ___No ___Yes
FAX? ___No ___Yes

Analysis / Containers / Preservative

Chain of Custody Page 7 of 34

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Table # H195

Acctnum: ARCADHTX
Template: T101479
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 ✓2	Total Metals: As, Ba, Cr, Fe, Pb, Mn, Ni Se, V, Hg	Dis Metals: (FFiltered) As, Ba, Cr, Fe, Pb, Mn, Se ✓2	Dis Metals: (FFiltered) As, Ba, Cr, Fe, Pb, Mn, Ni, Se,V ✓	Cyanide ✓12	Anions: Chloride, Fluoride, Sulfate	Cations: Ca, K, Na (from Total Metals container) ✓2	NO2 / NO3 ✓2	TDS	Remarks/Comments	Sample # (lab only)
~~NCL-34A~~	~~G~~	~~GW~~					✓		✓	✓		✓			✓	✓	✓	✓	~~SU~~	
~~NCL-33~~							✓		✓	✓		✓			✓	✓	✓	✓	~~SU~~	
~~NCL-44~~							✓		✓	✓		✓			✓	✓	✓	✓	SU	
~~NCL-32~~							✓		✓	✓		✓			✓	✓	✓	✓	SU	
MW-108				4/16/15	845	10	✓		✓	✓		✓			✓	✓	✓	✓		-01
NCL-31					1005	10	✓		✓	✓		✓			✓	✓	✓	✓		-02
MW-55					1130	13	✓	✓	✓		✓		✓	✓	✓	✓	✓	✓		-03
MW-18					1325	11	✓		✓		✓		✓	✓	✓	✓	✓	✓		-04
MW-54A					1435	10	✓		✓	✓		✓			✓	✓	✓	✓		-05
MW-54B	↓	↓		↓	1520	12	✓	✓	✓	✓		✓			✓	✓	✓	✓		-06

* 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)
Scott Uck	4/17/15	1600	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)

Samples returned via: ☐ UPS ☒ FedEx ☐ Courier ☐ ___

Temp: 3.4 °C 118

Date: 4/18/15 0900

Condition: (OK) (lab use only) MJ

COC Seal Intact: ✓ Y ___ N ___ NA

pH Checked: ✓2 ✓12 NCF:

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 Collected: Artesia, NM

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

NCL TX000836.0007.15006 ✓

Lab Project # ARCADHTX-NAVAJO FULL

Collected by (print): Cameron Haber + HM

Site/Facility ID #

P.O. #

Collected by (signature): Scott Ude

Immediately Iced? N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Next Day 100%
___ Two Day 50%
___ Three Day 25%

Date Results Needed

Email? ___No ___Yes
FAX? ___No ___Yes

No. of Cntr

Analysis / Container / Preservative

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 (2)	Total Metals: As, Ba, Cr, Fe, Pb, Mn, Ni, Se, V, Hg (2)	Dis Metals: (FFiltered) As, Ba, Cr, Fe, Pb, Mn, Se (2)	Dis Metals: (FFiltered) As, Ba, Cr, Fe, Pb, Mn, Ni, Se,V (2)	Cyanide (2)	Anions: Chloride, Fluoride, Sulfate	Cations: Ca, K, Na (from Total Metals container) (2)	NO2 / NO3 (2)	TDS
NCL-49	G	GW		4/16/15	1615	10	✓		✓	✓		✓			✓	✓	✓	✓
MW-53	↓	↓		4/16/15	1735	10	✓		✓	✓		✓			✓	✓	✓	✓

Chain of Custody Page 8 of 34

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

L# L760280

Table #

Acctnum: ARCADHTX
Template: T101479
Prelogin:
TSR: Pam Langford
PB:
Shipped Via:

Remarks/Comments	Sample # (lab only)
	-07
	-08

* 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)
Scott Ude	4/17/15	1600	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)

Samples returned via: ☐ UPS ☑ FedEx ☐ Courier ☐ ___

Temp: 3.4 °C 118

Date: 4/18/15 0900

Condition: (lab use only) (a)

COC Seal Intact: ✓ Y ___ N ___ NA

pH Checked: 12 712

NCF:

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 Collected: Artesia, NM

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

NCL TX000836.0007.15006 ✓

Lab Project # ARCADHTX-NAVAJO FULL

Collected by (print): Terrance Barry + Hml

Site/Facility ID #

P.O. #

Collected by (signature): Scott Uck

Immediately Iced? N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Next Day 100%
___ Two Day 50%
___ Three Day 25%

Date Results Needed

Email? ___No ___Yes
FAX? ___No ___Yes

Analysis / Container / Preservative

Chain of Custody Page 14 of 34

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

L# L760280

Table #

Acctnum: ARCADHTX

Template: T101476

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 (12)	Total Metals: As, Ba, Cr, Fe, Pb, Mn, Ni, Se, V, Hg	Dis Metals: (FFiltered) As, Ba, Cr, Fe, Pb, Mn, Se (12)	Dis Metals: (FFiltered) As, Ba, Cr, Fe, Pb, Mn, Ni, Se,V (12)	Cyanide (7/2)	Anions: Chloride, Fluoride, Sulfate	Cations: Ca, K, Na (from Total Metals container) (12)	NO2 / NO3 (12)	TDS	Remarks/Comments	Sample # (lab only)
MW-56	G	GW		4/17/15	1120	10	✓		✓	✓		✓			✓	✓	✓	✓		-09
MW-45	↓	↓		4/17/15	1115	11	✓		✓		✓		✓	✓	✓	✓	✓	✓		-10

* 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)
Scott Uck	4/17/15	1600	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)

Samples returned via: ☐ UPS ☑ FedEx ☐ Courier ☐ ___

Temp: 3.9 °C 118

Date: 4/18/15 Time: 0900

Condition: (lab use only) MS OK

COC Seal Intact: ___Y ___N ___NA

pH Checked: 12 7/2

NCF:

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 Collected: Artesia, NM

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

NCL TX000836.0007.15006 ✓

Lab Project # ARCADHTX-NAVAJO FULL

Collected by (print): Cameron Haber

Site/Facility ID #

P.O. #

Collected by (signature):

Immediately Iced? N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Next Day 100%
___ Two Day 50%
___ Three Day 25%

Date Results Needed

Email? ___No ___Yes
FAX? ___No ___Yes

Analysis / Container / Preservative

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)
DUP-NCL-01	G	GW		4/16/15	1400	10	✓		✓	✓		✓			✓	✓	✓	✓		-11
~~EB-NCL-01~~	↓	↓					✓		✓	✓		✓			✓	✓	✓	✓	-54	-12
Trip Blank-NCL-01	↓	↓		4/16/15	—	1			✓											

Chain of Custody Page 9 of 34

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

L# L760280

Table #

Acctnum: ARCADHTX
Template: T101479
Prelogin:
TSR: Pam Langford
PB:
Shipped Via:

* 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)
Scott Ude	4/17/15	1600	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)

Samples returned via: ☐ UPS ☑ FedEx ☐ Courier ☐ ___

Temp: 3.4 °C 1.8

Date: 4/18/15 0900

Condition: OK (lab use only) M3

COC Seal Intact: ✓ Y N NA

pH Checked: 12 712 NCF:

ANALYTICAL REPORT

May 06, 2015

ARCADIS US - TX

Sample Delivery Group:	L760281
Samples Received:	04/18/2015
Project Number:	TX000836.007.15005
Description:	Navajo Refining Company - Artesia, NM
Site:	TEL
Report To:	Pam Krueger 2929 Briarpark Dr., Suite 300 Houston, TX 77042

Entire Report Reviewed By:

Pamela a. Langford

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.

TEL-4 L760281-01 GW

Collected by: Terrance Barry
Collected date/time: 04/16/15 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	WG784002	1	04/23/15 17:28	04/25/15 10:26	JG
Metals (ICPMS) by Method 6020	WG783160	1	04/29/15 07:52	04/29/15 21:39	VSS
Metals (ICPMS) by Method 6020	WG784095	1	04/28/15 13:04	04/28/15 21:10	VSS
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG783646	1	04/21/15 17:44	04/24/15 00:17	JNS
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG783232	1	04/21/15 20:35	04/21/15 20:35	MCB
Volatile Organic Compounds (GC/MS) by Method 8260B	WG783753	10	04/24/15 13:13	04/24/15 13:13	JC
Wet Chemistry by Method 353.2	WG786250	10	05/04/15 11:17	05/04/15 11:17	JAL
Wet Chemistry by Method 9056MOD	WG784968	100	04/29/15 22:21	04/29/15 22:21	NJM
Wet Chemistry by Method 9056MOD	WG785654	1	05/05/15 18:30	05/05/15 18:30	NJM

TEL-3 L760281-02 GW

Collected by: Terrance Barry
Collected date/time: 04/16/15 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	WG784002	1	04/23/15 17:28	04/25/15 10:27	JG
Metals (ICPMS) by Method 6020	WG783160	1	04/29/15 07:52	04/29/15 21:41	VSS
Metals (ICPMS) by Method 6020	WG784095	1	04/28/15 13:04	04/28/15 21:13	VSS
Metals (ICPMS) by Method 6020	WG784095	5	04/28/15 13:04	04/28/15 22:07	VSS
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG783646	1	04/21/15 17:44	04/24/15 00:35	JNS
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG783232	1	04/21/15 20:57	04/21/15 20:57	MCB
Volatile Organic Compounds (GC/MS) by Method 8260B	WG783753	10	04/24/15 13:34	04/24/15 13:34	JC
Wet Chemistry by Method 353.2	WG786250	10	05/04/15 11:18	05/04/15 11:18	JAL
Wet Chemistry by Method 9056MOD	WG784968	100	04/29/15 22:52	04/29/15 22:52	NJM
Wet Chemistry by Method 9056MOD	WG785654	1	05/05/15 18:52	05/05/15 18:52	NJM

TEL-2 L760281-03 GW

Collected by: Terrance Barry
Collected date/time: 04/16/15 11:30
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	WG784002	1	04/23/15 17:28	04/25/15 10:27	JG
Metals (ICPMS) by Method 6020	WG783160	1	04/29/15 07:52	04/29/15 21:43	VSS
Metals (ICPMS) by Method 6020	WG784095	1	04/28/15 13:04	04/28/15 21:15	VSS
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG783646	20	04/21/15 17:44	04/24/15 12:59	JNS
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG783232	5	04/21/15 21:19	04/21/15 21:19	MCB
Volatile Organic Compounds (GC/MS) by Method 8260B	WG785315	20	04/30/15 16:06	04/30/15 16:06	MCB
Wet Chemistry by Method 353.2	WG786250	10	05/04/15 11:20	05/04/15 11:20	JAL
Wet Chemistry by Method 9056MOD	WG784968	100	04/29/15 23:07	04/29/15 23:07	NJM
Wet Chemistry by Method 9056MOD	WG785654	1	05/05/15 19:06	05/05/15 19:06	NJM

TEL-1 L760281-04 GW

Collected by: Terrance Barry
Collected date/time: 04/16/15 12:55
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	WG784002	1	04/23/15 17:28	04/25/15 10:28	JG
Metals (ICPMS) by Method 6020	WG783160	1	04/29/15 07:52	04/29/15 21:46	VSS
Metals (ICPMS) by Method 6020	WG784095	1	04/28/15 13:04	04/28/15 21:17	VSS
Metals (ICPMS) by Method 6020	WG784095	5	04/28/15 13:04	04/28/15 22:09	VSS
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG783646	5	04/21/15 17:44	04/24/15 12:42	JNS
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG783232	1	04/21/15 21:41	04/21/15 21:41	MCB
Volatile Organic Compounds (GC/MS) by Method 8260B	WG783753	1	04/24/15 14:15	04/24/15 14:15	JC
Wet Chemistry by Method 353.2	WG786250	10	05/04/15 11:21	05/04/15 11:21	JAL
Wet Chemistry by Method 9056MOD	WG784970	1	04/28/15 14:59	04/28/15 14:59	DJD
Wet Chemistry by Method 9056MOD	WG784970	100	04/28/15 21:42	04/28/15 21:42	DJD

MW-49 L760281-05 GW

Collected by: Terrance Barry
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 08:38	JG
Mercury by Method 7470A	WG783354	1	04/21/15 01:24	04/21/15 13:01	ESC
Metals (ICPMS) by Method 6020	WG783160	1	04/29/15 07:52	04/29/15 21:48	VSS
Metals (ICPMS) by Method 6020	WG784095	1	04/28/15 13:04	04/28/15 21:19	VSS
Metals (ICPMS) by Method 6020	WG784095	5	04/28/15 13:04	04/28/15 22:11	VSS
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG783646	1	04/21/15 17:44	04/24/15 01:46	JNS
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG783232	1	04/21/15 22:03	04/21/15 22:03	MCB
Volatile Organic Compounds (GC/MS) by Method 8260B	WG785315	1	04/30/15 14:21	04/30/15 14:21	MCB
Wet Chemistry by Method 353.2	WG786250	10	05/04/15 11:22	05/04/15 11:22	JAL
Wet Chemistry by Method 9012B	WG785558	1	05/01/15 07:38	05/01/15 10:35	CSU
Wet Chemistry by Method 9056MOD	WG784970	1	04/28/15 15:13	04/28/15 15:13	DJD
Wet Chemistry by Method 9056MOD	WG784970	100	04/28/15 21:56	04/28/15 21:56	DJD

DUP-TEL-01 L760281-06 GW

Collected by: Terrance Barry
Collected date/time: 04/16/15 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	WG784002	1	04/23/15 17:28	04/25/15 10:28	JG
Metals (ICPMS) by Method 6020	WG783160	1	04/29/15 07:52	04/29/15 21:50	VSS
Metals (ICPMS) by Method 6020	WG785154	1	04/28/15 15:35	04/29/15 15:52	VSS
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG783646	1	04/21/15 17:44	04/24/15 00:53	JNS
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG783232	1	04/21/15 22:25	04/21/15 22:25	MCB
Volatile Organic Compounds (GC/MS) by Method 8260B	WG783753	10	04/24/15 14:57	04/24/15 14:57	JC
Wet Chemistry by Method 353.2	WG786250	10	05/04/15 11:23	05/04/15 11:23	JAL
Wet Chemistry by Method 9056MOD	WG784970	1	04/28/15 15:26	04/28/15 15:26	DJD
Wet Chemistry by Method 9056MOD	WG784970	100	04/28/15 22:10	04/28/15 22:10	DJD

EB-TEL-01 L760281-07 GW

Collected by: Terrance Barry
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	WG784002	1	04/23/15 17:28	04/25/15 10:32	JG
Metals (ICPMS) by Method 6020	WG783160	1	04/29/15 07:52	04/29/15 20:15	VSS
Metals (ICPMS) by Method 6020	WG785154	1	04/28/15 15:35	04/29/15 16:01	VSS
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG783646	1	04/21/15 17:44	04/24/15 01:10	JNS
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG783232	1	04/21/15 22:47	04/21/15 22:47	MCB
Volatile Organic Compounds (GC/MS) by Method 8260B	WG783753	1	04/24/15 08:57	04/24/15 08:57	JC
Wet Chemistry by Method 353.2	WG786261	1	05/04/15 09:14	05/04/15 09:14	JAL
Wet Chemistry by Method 9056MOD	WG785654	1	05/05/15 19:20	05/05/15 19:20	NJM
Wet Chemistry by Method 9056MOD	WG785856	1	04/30/15 20:45	04/30/15 20:45	NJM

TRIPBLANK-TEL-01 L760281-08 GW

Collected by: Terrance Barry
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	WG783753	1	04/24/15 08:35	04/24/15 08:35	JC

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.

Pamela A. Langford

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.

ESC Sample ID	Project Sample ID	Method
L760281-07	EB-TEL-01	2540 C-2011

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	3200000		2800	10000	1	04/25/2015 10:26	WG784002

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	05/04/2015 11:17	WG786250

Wet Chemistry by Method 9056MOD

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	1190000		5200	100000	100	04/29/2015 22:21	WG784968
Fluoride	678		9.90	100	1	05/05/2015 18:30	WG785654
Sulfate	947000		7700	500000	100	04/29/2015 22:21	WG784968

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic	6.13		0.250	2.00	1	04/29/2015 21:39	WG783160
Arsenic,Dissolved	5.63		0.250	2.00	1	04/28/2015 21:10	WG784095
Barium	24.4		0.360	5.00	1	04/29/2015 21:39	WG783160
Barium,Dissolved	20.8		0.360	5.00	1	04/28/2015 21:10	WG784095
Calcium	301000		46.0	1000	1	04/29/2015 21:39	WG783160
Chromium	419	B	0.540	2.00	1	04/29/2015 21:39	WG783160
Chromium,Dissolved	13.9		0.540	2.00	1	04/28/2015 21:10	WG784095
Iron	1570	B	15.0	100	1	04/29/2015 21:39	WG783160
Iron,Dissolved	27.9	J	15.0	100	1	04/28/2015 21:10	WG784095
Lead	2.27		0.240	2.00	1	04/29/2015 21:39	WG783160
Lead,Dissolved	1.14	J	0.240	2.00	1	04/28/2015 21:10	WG784095
Manganese	872		0.250	5.00	1	04/29/2015 21:39	WG783160
Manganese,Dissolved	792		0.250	5.00	1	04/28/2015 21:10	WG784095
Potassium	455	J	37.0	1000	1	04/29/2015 21:39	WG783160
Selenium	U		0.380	2.00	1	04/29/2015 21:39	WG783160
Selenium,Dissolved	0.882	J	0.380	2.00	1	04/28/2015 21:10	WG784095
Sodium	294000		110	1000	1	04/29/2015 21:39	WG783160

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	2090		31.0	100	1	04/21/2015 20:35	WG783232
(S) a,a,a-Trifluorotoluene(FID)	*92.7*			*62.0-128*		*04/21/2015 20:35*	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	243	J	100	500	10	04/24/2015 13:13	WG783753
Benzene	171		3.30	10.0	10	04/24/2015 13:13	WG783753
Bromodichloromethane	U		3.80	10.0	10	04/24/2015 13:13	WG783753
Bromoform	U		4.70	10.0	10	04/24/2015 13:13	WG783753
Bromomethane	U		8.70	50.0	10	04/24/2015 13:13	WG783753
n-Butylbenzene	3.96	J	3.60	10.0	10	04/24/2015 13:13	WG783753
sec-Butylbenzene	11.7		3.60	10.0	10	04/24/2015 13:13	WG783753
Carbon disulfide	3.33	J	2.80	10.0	10	04/24/2015 13:13	WG783753
Carbon tetrachloride	U		3.80	10.0	10	04/24/2015 13:13	WG783753
Chlorobenzene	U		3.50	10.0	10	04/24/2015 13:13	WG783753

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chlorodibromomethane	U		3.30	10.0	10	04/24/2015 13:13	WG783753
Chloroethane	U		4.50	50.0	10	04/24/2015 13:13	WG783753
Chloroform	U		3.20	50.0	10	04/24/2015 13:13	WG783753
Chloromethane	U		2.80	25.0	10	04/24/2015 13:13	WG783753
1,2-Dibromoethane	U		3.80	10.0	10	04/24/2015 13:13	WG783753
1,1-Dichloroethane	U		2.60	10.0	10	04/24/2015 13:13	WG783753
1,2-Dichloroethane	U		3.60	10.0	10	04/24/2015 13:13	WG783753
1,1-Dichloroethene	U		4.00	10.0	10	04/24/2015 13:13	WG783753
cis-1,2-Dichloroethene	U		2.60	10.0	10	04/24/2015 13:13	WG783753
trans-1,2-Dichloroethene	U		4.00	10.0	10	04/24/2015 13:13	WG783753
1,2-Dichloropropane	U		3.10	10.0	10	04/24/2015 13:13	WG783753
cis-1,3-Dichloropropene	U		4.20	10.0	10	04/24/2015 13:13	WG783753
trans-1,3-Dichloropropene	U		4.20	10.0	10	04/24/2015 13:13	WG783753
Ethylbenzene	U		3.80	10.0	10	04/24/2015 13:13	WG783753
Isopropylbenzene	33.2		3.30	10.0	10	04/24/2015 13:13	WG783753
p-Isopropyltoluene	U		3.50	10.0	10	04/24/2015 13:13	WG783753
2-Butanone (MEK)	U		39.0	100	10	04/24/2015 13:13	WG783753
2-Hexanone	U		38.0	100	10	04/24/2015 13:13	WG783753
Methylene Chloride	U		10.0	50.0	10	04/24/2015 13:13	WG783753
4-Methyl-2-pentanone (MIBK)	U		21.0	100	10	04/24/2015 13:13	WG783753
Methyl tert-butyl ether	140		3.70	10.0	10	04/24/2015 13:13	WG783753
Naphthalene	U		10.0	50.0	10	04/24/2015 13:13	WG783753
n-Propylbenzene	52.3		3.50	10.0	10	04/24/2015 13:13	WG783753
Styrene	U		3.10	10.0	10	04/24/2015 13:13	WG783753
1,1,1,2-Tetrachloroethane	U		3.80	10.0	10	04/24/2015 13:13	WG783753
1,1,2,2-Tetrachloroethane	U		1.30	10.0	10	04/24/2015 13:13	WG783753
Tetrachloroethene	U		3.70	10.0	10	04/24/2015 13:13	WG783753
Toluene	U		7.80	50.0	10	04/24/2015 13:13	WG783753
1,1,1-Trichloroethane	U		3.19	10.0	10	04/24/2015 13:13	WG783753
1,1,2-Trichloroethane	U		3.80	10.0	10	04/24/2015 13:13	WG783753
Trichloroethene	U		4.00	10.0	10	04/24/2015 13:13	WG783753
1,2,4-Trimethylbenzene	74.2		3.70	10.0	10	04/24/2015 13:13	WG783753
1,3,5-Trimethylbenzene	U		3.90	10.0	10	04/24/2015 13:13	WG783753
Vinyl chloride	U		2.60	10.0	10	04/24/2015 13:13	WG783753
o-Xylene	U		3.40	10.0	10	04/24/2015 13:13	WG783753
m&p-Xylene	39.4		7.20	10.0	10	04/24/2015 13:13	WG783753
Xylenes, Total	39.4		11.0	30.0	10	04/24/2015 13:13	WG783753
(S) Toluene-d8	*103*			*88.5-111*		*04/24/2015 13:13*	WG783753
(S) Dibromofluoromethane	*102*			*78.3-121*		*04/24/2015 13:13*	WG783753
(S) 4-Bromofluorobenzene	*90.7*			*71.0-126*		*04/24/2015 13:13*	WG783753

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	8400		25.0	100	1	04/24/2015 00:17	WG783646
(S) o-Terphenyl	*107*			*50.0-150*		*04/24/2015 00:17*	WG783646

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	2750000		2800	10000	1	04/25/2015 10:27	WG784002

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Nitrate-Nitrite	224	J	200	1000	10	05/04/2015 11:18	WG786250

Wet Chemistry by Method 9056MOD

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	829000		5200	100000	100	04/29/2015 22:52	WG784968
Fluoride	2520		9.90	100	1	05/05/2015 18:52	WG785654
Sulfate	1330000		7700	500000	100	04/29/2015 22:52	WG784968

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic	3.54		0.250	2.00	1	04/29/2015 21:41	WG783160
Arsenic,Dissolved	6.39		0.250	2.00	1	04/28/2015 21:13	WG784095
Barium	14.5		0.360	5.00	1	04/29/2015 21:41	WG783160
Barium,Dissolved	12.3		0.360	5.00	1	04/28/2015 21:13	WG784095
Calcium	485000		46.0	1000	1	04/29/2015 21:41	WG783160
Chromium	4.66	B	0.540	2.00	1	04/29/2015 21:41	WG783160
Chromium,Dissolved	2.35		0.540	2.00	1	04/28/2015 21:13	WG784095
Iron	73.8	B J	15.0	100	1	04/29/2015 21:41	WG783160
Iron,Dissolved	31.6	J	15.0	100	1	04/28/2015 21:13	WG784095
Lead	0.599	J	0.240	2.00	1	04/29/2015 21:41	WG783160
Lead,Dissolved	0.406	J	0.240	2.00	1	04/28/2015 21:13	WG784095
Manganese	8.27		0.250	5.00	1	04/29/2015 21:41	WG783160
Manganese,Dissolved	7.17		0.250	5.00	1	04/28/2015 21:13	WG784095
Potassium	6120		37.0	1000	1	04/29/2015 21:41	WG783160
Selenium	U		0.380	2.00	1	04/29/2015 21:41	WG783160
Selenium,Dissolved	21.9		1.90	10.0	5	04/28/2015 22:07	WG784095
Sodium	184000		110	1000	1	04/29/2015 21:41	WG783160

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	666		31.0	100	1	04/21/2015 20:57	WG783232
(S) α,α,α-Trifluorotoluene(FID)	*89.6*			*62.0-128*		*04/21/2015 20:57*	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		100	500	10	04/24/2015 13:34	WG783753
Benzene	20.6		3.30	10.0	10	04/24/2015 13:34	WG783753
Bromodichloromethane	U		3.80	10.0	10	04/24/2015 13:34	WG783753
Bromoform	U		4.70	10.0	10	04/24/2015 13:34	WG783753
Bromomethane	U		8.70	50.0	10	04/24/2015 13:34	WG783753
n-Butylbenzene	U		3.60	10.0	10	04/24/2015 13:34	WG783753
sec-Butylbenzene	8.99	J	3.60	10.0	10	04/24/2015 13:34	WG783753
Carbon disulfide	4.71	J	2.80	10.0	10	04/24/2015 13:34	WG783753
Carbon tetrachloride	U		3.80	10.0	10	04/24/2015 13:34	WG783753
Chlorobenzene	U		3.50	10.0	10	04/24/2015 13:34	WG783753

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chlorodibromomethane	U		3.30	10.0	10	04/24/2015 13:34	WG783753
Chloroethane	U		4.50	50.0	10	04/24/2015 13:34	WG783753
Chloroform	U		3.20	50.0	10	04/24/2015 13:34	WG783753
Chloromethane	U		2.80	25.0	10	04/24/2015 13:34	WG783753
1,2-Dibromoethane	U		3.80	10.0	10	04/24/2015 13:34	WG783753
1,1-Dichloroethane	U		2.60	10.0	10	04/24/2015 13:34	WG783753
1,2-Dichloroethane	U		3.60	10.0	10	04/24/2015 13:34	WG783753
1,1-Dichloroethene	U		4.00	10.0	10	04/24/2015 13:34	WG783753
cis-1,2-Dichloroethene	U		2.60	10.0	10	04/24/2015 13:34	WG783753
trans-1,2-Dichloroethene	U		4.00	10.0	10	04/24/2015 13:34	WG783753
1,2-Dichloropropane	U		3.10	10.0	10	04/24/2015 13:34	WG783753
cis-1,3-Dichloropropene	U		4.20	10.0	10	04/24/2015 13:34	WG783753
trans-1,3-Dichloropropene	U		4.20	10.0	10	04/24/2015 13:34	WG783753
Ethylbenzene	U		3.80	10.0	10	04/24/2015 13:34	WG783753
Isopropylbenzene	47.1		3.30	10.0	10	04/24/2015 13:34	WG783753
p-Isopropyltoluene	U		3.50	10.0	10	04/24/2015 13:34	WG783753
2-Butanone (MEK)	U		39.0	100	10	04/24/2015 13:34	WG783753
2-Hexanone	U		38.0	100	10	04/24/2015 13:34	WG783753
Methylene Chloride	U		10.0	50.0	10	04/24/2015 13:34	WG783753
4-Methyl-2-pentanone (MIBK)	U		21.0	100	10	04/24/2015 13:34	WG783753
Methyl tert-butyl ether	5.60	J	3.70	10.0	10	04/24/2015 13:34	WG783753
Naphthalene	U		10.0	50.0	10	04/24/2015 13:34	WG783753
n-Propylbenzene	5.41	J	3.50	10.0	10	04/24/2015 13:34	WG783753
Styrene	U		3.10	10.0	10	04/24/2015 13:34	WG783753
1,1,1,2-Tetrachloroethane	U		3.80	10.0	10	04/24/2015 13:34	WG783753
1,1,2,2-Tetrachloroethane	U		1.30	10.0	10	04/24/2015 13:34	WG783753
Tetrachloroethene	U		3.70	10.0	10	04/24/2015 13:34	WG783753
Toluene	U		7.80	50.0	10	04/24/2015 13:34	WG783753
1,1,1-Trichloroethane	U		3.19	10.0	10	04/24/2015 13:34	WG783753
1,1,2-Trichloroethane	U		3.80	10.0	10	04/24/2015 13:34	WG783753
Trichloroethene	U		4.00	10.0	10	04/24/2015 13:34	WG783753
1,2,4-Trimethylbenzene	10.4		3.70	10.0	10	04/24/2015 13:34	WG783753
1,3,5-Trimethylbenzene	U		3.90	10.0	10	04/24/2015 13:34	WG783753
Vinyl chloride	U		2.60	10.0	10	04/24/2015 13:34	WG783753
o-Xylene	U		3.40	10.0	10	04/24/2015 13:34	WG783753
m&p-Xylene	9.29	J	7.20	10.0	10	04/24/2015 13:34	WG783753
Xylenes, Total	U		11.0	30.0	10	04/24/2015 13:34	WG783753
(S) Toluene-d8	*102*			*88.5-111*		*04/24/2015 13:34*	WG783753
(S) Dibromofluoromethane	*101*			*78.3-121*		*04/24/2015 13:34*	WG783753
(S) 4-Bromofluorobenzene	*93.4*			*71.0-126*		*04/24/2015 13:34*	WG783753

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	9400		25.0	100	1	04/24/2015 00:35	WG783646
(S) o-Terphenyl	*115*			*50.0-150*		*04/24/2015 00:35*	WG783646

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	2390000		2800	10000	1	04/25/2015 10:27	WG784002

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	05/04/2015 11:20	WG786250

Wet Chemistry by Method 9056MOD

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	949000		5200	100000	100	04/29/2015 23:07	WG784968
Fluoride	914		9.90	100	1	05/05/2015 19:06	WG785654
Sulfate	498000	J	7700	500000	100	04/29/2015 23:07	WG784968

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic	13.2		0.250	2.00	1	04/29/2015 21:43	WG783160
Arsenic,Dissolved	17.3		0.250	2.00	1	04/28/2015 21:15	WG784095
Barium	185		0.360	5.00	1	04/29/2015 21:43	WG783160
Barium,Dissolved	88.7		0.360	5.00	1	04/28/2015 21:15	WG784095
Calcium	164000		46.0	1000	1	04/29/2015 21:43	WG783160
Chromium	1.34	B J	0.540	2.00	1	04/29/2015 21:43	WG783160
Chromium,Dissolved	1.11	J	0.540	2.00	1	04/28/2015 21:15	WG784095
Iron	32.6	B J	15.0	100	1	04/29/2015 21:43	WG783160
Iron,Dissolved	26.9	J	15.0	100	1	04/28/2015 21:15	WG784095
Lead	2.76		0.240	2.00	1	04/29/2015 21:43	WG783160
Lead,Dissolved	2.54		0.240	2.00	1	04/28/2015 21:15	WG784095
Manganese	10.1		0.250	5.00	1	04/29/2015 21:43	WG783160
Manganese,Dissolved	9.15		0.250	5.00	1	04/28/2015 21:15	WG784095
Potassium	945	J	37.0	1000	1	04/29/2015 21:43	WG783160
Selenium	0.383	J	0.380	2.00	1	04/29/2015 21:43	WG783160
Selenium,Dissolved	13.6		0.380	2.00	1	04/28/2015 21:15	WG784095
Sodium	372000		110	1000	1	04/29/2015 21:43	WG783160

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	5120		160	500	5	04/21/2015 21:19	WG783232
(S) α,α,α-Trifluorotoluene(FID)	*91.1*			*62.0-128*		*04/21/2015 21:19*	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		200	1000	20	04/30/2015 16:06	WG785315
Benzene	905		6.60	20.0	20	04/30/2015 16:06	WG785315
Bromodichloromethane	U		7.60	20.0	20	04/30/2015 16:06	WG785315
Bromoform	U		9.40	20.0	20	04/30/2015 16:06	WG785315
Bromomethane	U		17.0	100	20	04/30/2015 16:06	WG785315
n-Butylbenzene	U		7.20	20.0	20	04/30/2015 16:06	WG785315
sec-Butylbenzene	U		7.30	20.0	20	04/30/2015 16:06	WG785315
Carbon disulfide	7.23	J J3	5.50	20.0	20	04/30/2015 16:06	WG785315
Carbon tetrachloride	U		7.60	20.0	20	04/30/2015 16:06	WG785315
Chlorobenzene	U		7.00	20.0	20	04/30/2015 16:06	WG785315

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chlorodibromomethane	U		6.50	20.0	20	04/30/2015 16:06	WG785315
Chloroethane	U		9.10	100	20	04/30/2015 16:06	WG785315
Chloroform	U		6.50	100	20	04/30/2015 16:06	WG785315
Chloromethane	U		5.50	50.0	20	04/30/2015 16:06	WG785315
1,2-Dibromoethane	U		7.60	20.0	20	04/30/2015 16:06	WG785315
1,1-Dichloroethane	U		5.20	20.0	20	04/30/2015 16:06	WG785315
1,2-Dichloroethane	U		7.20	20.0	20	04/30/2015 16:06	WG785315
1,1-Dichloroethene	U	J3	8.00	20.0	20	04/30/2015 16:06	WG785315
cis-1,2-Dichloroethene	U		5.20	20.0	20	04/30/2015 16:06	WG785315
trans-1,2-Dichloroethene	U		7.90	20.0	20	04/30/2015 16:06	WG785315
1,2-Dichloropropane	U		6.10	20.0	20	04/30/2015 16:06	WG785315
cis-1,3-Dichloropropene	U		8.40	20.0	20	04/30/2015 16:06	WG785315
trans-1,3-Dichloropropene	U		8.40	20.0	20	04/30/2015 16:06	WG785315
Ethylbenzene	11.9	J	7.70	20.0	20	04/30/2015 16:06	WG785315
Isopropylbenzene	40.7		6.50	20.0	20	04/30/2015 16:06	WG785315
p-Isopropyltoluene	U		7.00	20.0	20	04/30/2015 16:06	WG785315
2-Butanone (MEK)	U		79.0	200	20	04/30/2015 16:06	WG785315
2-Hexanone	U		76.0	200	20	04/30/2015 16:06	WG785315
Methylene Chloride	U	J3	20.0	100	20	04/30/2015 16:06	WG785315
4-Methyl-2-pentanone (MIBK)	U		43.0	200	20	04/30/2015 16:06	WG785315
Methyl tert-butyl ether	11.3	J J3	7.30	20.0	20	04/30/2015 16:06	WG785315
Naphthalene	U		20.0	100	20	04/30/2015 16:06	WG785315
n-Propylbenzene	46.2		7.00	20.0	20	04/30/2015 16:06	WG785315
Styrene	U		6.10	20.0	20	04/30/2015 16:06	WG785315
1,1,1,2-Tetrachloroethane	U		7.70	20.0	20	04/30/2015 16:06	WG785315
1,1,2,2-Tetrachloroethane	U		2.60	20.0	20	04/30/2015 16:06	WG785315
Tetrachloroethene	U		7.40	20.0	20	04/30/2015 16:06	WG785315
Toluene	37.2	J	16.0	100	20	04/30/2015 16:06	WG785315
1,1,1-Trichloroethane	U		6.38	20.0	20	04/30/2015 16:06	WG785315
1,1,2-Trichloroethane	U		7.70	20.0	20	04/30/2015 16:06	WG785315
Trichloroethene	U		8.00	20.0	20	04/30/2015 16:06	WG785315
1,2,4-Trimethylbenzene	138		7.50	20.0	20	04/30/2015 16:06	WG785315
1,3,5-Trimethylbenzene	19.8	J	7.70	20.0	20	04/30/2015 16:06	WG785315
Vinyl chloride	U		5.20	20.0	20	04/30/2015 16:06	WG785315
o-Xylene	18.2	J	6.80	20.0	20	04/30/2015 16:06	WG785315
m&p-Xylene	171		14.0	20.0	20	04/30/2015 16:06	WG785315
Xylenes, Total	189		21.0	60.0	20	04/30/2015 16:06	WG785315
(S) Toluene-d8	*103*			*88.5-111*		*04/30/2015 16:06*	WG785315
(S) Dibromofluoromethane	*98.1*			*78.3-121*		*04/30/2015 16:06*	WG785315
(S) 4-Bromofluorobenzene	*103*			*71.0-126*		*04/30/2015 16:06*	WG785315

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	20000		490	2000	20	04/24/2015 12:59	WG783646
(S) o-Terphenyl	*0.000*	J7		*50.0-150*		*04/24/2015 12:59*	WG783646

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	2480000		2800	10000	1	04/25/2015 10:28	WG784002

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	05/04/2015 11:21	WG786250

Wet Chemistry by Method 9056MOD

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	269000		5200	100000	100	04/28/2015 21:42	WG784970
Fluoride	2260		9.90	100	1	04/28/2015 14:59	WG784970
Sulfate	1230000		7700	500000	100	04/28/2015 21:42	WG784970

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic	5.37		0.250	2.00	1	04/29/2015 21:46	WG783160
Arsenic,Dissolved	4.80		0.250	2.00	1	04/28/2015 21:17	WG784095
Barium	11.9		0.360	5.00	1	04/29/2015 21:46	WG783160
Barium,Dissolved	11.3		0.360	5.00	1	04/28/2015 21:17	WG784095
Calcium	209000		46.0	1000	1	04/29/2015 21:46	WG783160
Chromium	5.01	B	0.540	2.00	1	04/29/2015 21:46	WG783160
Chromium,Dissolved	3.01		0.540	2.00	1	04/28/2015 21:17	WG784095
Iron	74.1	B J	15.0	100	1	04/29/2015 21:46	WG783160
Iron,Dissolved	48.8	J	15.0	100	1	04/28/2015 21:17	WG784095
Lead	U		0.240	2.00	1	04/29/2015 21:46	WG783160
Lead,Dissolved	U		1.20	10.0	5	04/28/2015 22:09	WG784095
Manganese	52.3		0.250	5.00	1	04/29/2015 21:46	WG783160
Manganese,Dissolved	52.0		0.250	5.00	1	04/28/2015 21:17	WG784095
Potassium	962	J	37.0	1000	1	04/29/2015 21:46	WG783160
Selenium	U		0.380	2.00	1	04/29/2015 21:46	WG783160
Selenium,Dissolved	1.61	J	0.380	2.00	1	04/28/2015 21:17	WG784095
Sodium	434000		110	1000	1	04/29/2015 21:46	WG783160

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	181		31.0	100	1	04/21/2015 21:41	WG783232
(S) α,α,α-Trifluorotoluene(FID)	*91.3*			*62.0-128*		*04/21/2015 21:41*	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	10.4	J	10.0	50.0	1	04/24/2015 14:15	WG783753
Benzene	U		0.330	1.00	1	04/24/2015 14:15	WG783753
Bromodichloromethane	U		0.380	1.00	1	04/24/2015 14:15	WG783753
Bromoform	U		0.470	1.00	1	04/24/2015 14:15	WG783753
Bromomethane	U		0.870	5.00	1	04/24/2015 14:15	WG783753
n-Butylbenzene	U		0.360	1.00	1	04/24/2015 14:15	WG783753
sec-Butylbenzene	U		0.360	1.00	1	04/24/2015 14:15	WG783753
Carbon disulfide	U		0.280	1.00	1	04/24/2015 14:15	WG783753
Carbon tetrachloride	U		0.380	1.00	1	04/24/2015 14:15	WG783753
Chlorobenzene	U		0.350	1.00	1	04/24/2015 14:15	WG783753

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chlorodibromomethane	U		0.330	1.00	1	04/24/2015 14:15	WG783753
Chloroethane	U		0.450	5.00	1	04/24/2015 14:15	WG783753
Chloroform	U		0.320	5.00	1	04/24/2015 14:15	WG783753
Chloromethane	U		0.280	2.50	1	04/24/2015 14:15	WG783753
1,2-Dibromoethane	U		0.380	1.00	1	04/24/2015 14:15	WG783753
1,1-Dichloroethane	U		0.260	1.00	1	04/24/2015 14:15	WG783753
1,2-Dichloroethane	U		0.360	1.00	1	04/24/2015 14:15	WG783753
1,1-Dichloroethene	U		0.400	1.00	1	04/24/2015 14:15	WG783753
cis-1,2-Dichloroethene	U		0.260	1.00	1	04/24/2015 14:15	WG783753
trans-1,2-Dichloroethene	U		0.400	1.00	1	04/24/2015 14:15	WG783753
1,2-Dichloropropane	U		0.310	1.00	1	04/24/2015 14:15	WG783753
cis-1,3-Dichloropropene	U		0.420	1.00	1	04/24/2015 14:15	WG783753
trans-1,3-Dichloropropene	U		0.420	1.00	1	04/24/2015 14:15	WG783753
Ethylbenzene	U		0.380	1.00	1	04/24/2015 14:15	WG783753
Isopropylbenzene	U		0.330	1.00	1	04/24/2015 14:15	WG783753
p-Isopropyltoluene	U		0.350	1.00	1	04/24/2015 14:15	WG783753
2-Butanone (MEK)	U		3.90	10.0	1	04/24/2015 14:15	WG783753
2-Hexanone	U		3.80	10.0	1	04/24/2015 14:15	WG783753
Methylene Chloride	U		1.00	5.00	1	04/24/2015 14:15	WG783753
4-Methyl-2-pentanone (MIBK)	U		2.10	10.0	1	04/24/2015 14:15	WG783753
Methyl tert-butyl ether	4.78		0.370	1.00	1	04/24/2015 14:15	WG783753
Naphthalene	U		1.00	5.00	1	04/24/2015 14:15	WG783753
n-Propylbenzene	U		0.350	1.00	1	04/24/2015 14:15	WG783753
Styrene	U		0.310	1.00	1	04/24/2015 14:15	WG783753
1,1,1,2-Tetrachloroethane	U		0.380	1.00	1	04/24/2015 14:15	WG783753
1,1,2,2-Tetrachloroethane	U		0.130	1.00	1	04/24/2015 14:15	WG783753
Tetrachloroethene	U		0.370	1.00	1	04/24/2015 14:15	WG783753
Toluene	U		0.780	5.00	1	04/24/2015 14:15	WG783753
1,1,1-Trichloroethane	U		0.319	1.00	1	04/24/2015 14:15	WG783753
1,1,2-Trichloroethane	U		0.380	1.00	1	04/24/2015 14:15	WG783753
Trichloroethene	U		0.400	1.00	1	04/24/2015 14:15	WG783753
1,2,4-Trimethylbenzene	1.03		0.370	1.00	1	04/24/2015 14:15	WG783753
1,3,5-Trimethylbenzene	U		0.390	1.00	1	04/24/2015 14:15	WG783753
Vinyl chloride	U		0.260	1.00	1	04/24/2015 14:15	WG783753
o-Xylene	2.14		0.340	1.00	1	04/24/2015 14:15	WG783753
m&p-Xylene	U		0.720	1.00	1	04/24/2015 14:15	WG783753
Xylenes, Total	2.14	J	1.10	3.00	1	04/24/2015 14:15	WG783753
(S) Toluene-d8	*102*			*88.5-111*		*04/24/2015 14:15*	WG783753
(S) Dibromofluoromethane	*101*			*78.3-121*		*04/24/2015 14:15*	WG783753
(S) 4-Bromofluorobenzene	*88.9*			*71.0-126*		*04/24/2015 14:15*	WG783753

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	9800		120	500	5	04/24/2015 12:42	WG783646
(S) o-Terphenyl	*107*			*50.0-150*		*04/24/2015 12:42*	WG783646

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	2340000		2800	10000	1	04/27/2015 08:38	WG784341

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	05/04/2015 11:22	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	05/01/2015 10:35	WG785558

Wet Chemistry by Method 9056MOD

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	423000		5200	100000	100	04/28/2015 21:56	WG784970
Fluoride	1180		9.90	100	1	04/28/2015 15:13	WG784970
Sulfate	665000		7700	500000	100	04/28/2015 21:56	WG784970

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 13:01	WG783354

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic	4.33		0.250	2.00	1	04/29/2015 21:48	WG783160
Arsenic,Dissolved	3.29		0.250	2.00	1	04/28/2015 21:19	WG784095
Barium	51.4		0.360	5.00	1	04/29/2015 21:48	WG783160
Barium,Dissolved	39.4		0.360	5.00	1	04/28/2015 21:19	WG784095
Calcium	197000		46.0	1000	1	04/29/2015 21:48	WG783160
Chromium	1.47	B J	0.540	2.00	1	04/29/2015 21:48	WG783160
Chromium,Dissolved	U		0.540	2.00	1	04/28/2015 21:19	WG784095
Iron	530	B	15.0	100	1	04/29/2015 21:48	WG783160
Iron,Dissolved	29.1	J	15.0	100	1	04/28/2015 21:19	WG784095
Lead	1.33	J	0.240	2.00	1	04/29/2015 21:48	WG783160
Lead,Dissolved	0.467	J	0.240	2.00	1	04/28/2015 21:19	WG784095
Manganese	269		0.250	5.00	1	04/29/2015 21:48	WG783160
Manganese,Dissolved	240		0.250	5.00	1	04/28/2015 21:19	WG784095
Nickel	8.42		0.350	2.00	1	04/29/2015 21:48	WG783160
Nickel,Dissolved	6.56		0.350	2.00	1	04/28/2015 21:19	WG784095
Potassium	2040		37.0	1000	1	04/29/2015 21:48	WG783160
Selenium	U		0.380	2.00	1	04/29/2015 21:48	WG783160
Selenium,Dissolved	3.02	J	1.90	10.0	5	04/28/2015 22:11	WG784095
Sodium	309000		110	1000	1	04/29/2015 21:48	WG783160
Vanadium	1.95	J	0.180	5.00	1	04/29/2015 21:48	WG783160
Vanadium,Dissolved	0.493	J	0.180	5.00	1	04/28/2015 21:19	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	654		31.0	100	1	04/21/2015 22:03	WG783232

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
(S) a,a,a-Trifluorotoluene(FID)	*92.4*			*62.0-128*		*04/21/2015 22:03*	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	04/30/2015 14:21	WG785315
Benzene	77.0		0.330	1.00	1	04/30/2015 14:21	WG785315
Bromodichloromethane	U		0.380	1.00	1	04/30/2015 14:21	WG785315
Bromoform	U		0.470	1.00	1	04/30/2015 14:21	WG785315
Bromomethane	U		0.870	5.00	1	04/30/2015 14:21	WG785315
n-Butylbenzene	1.16		0.360	1.00	1	04/30/2015 14:21	WG785315
sec-Butylbenzene	2.45		0.360	1.00	1	04/30/2015 14:21	WG785315
Carbon disulfide	1.06	J3	0.280	1.00	1	04/30/2015 14:21	WG785315
Carbon tetrachloride	U		0.380	1.00	1	04/30/2015 14:21	WG785315
Chlorobenzene	U		0.350	1.00	1	04/30/2015 14:21	WG785315
Chlorodibromomethane	U		0.330	1.00	1	04/30/2015 14:21	WG785315
Chloroethane	U		0.450	5.00	1	04/30/2015 14:21	WG785315
Chloroform	U		0.320	5.00	1	04/30/2015 14:21	WG785315
Chloromethane	U		0.280	2.50	1	04/30/2015 14:21	WG785315
1,2-Dibromoethane	U		0.380	1.00	1	04/30/2015 14:21	WG785315
1,1-Dichloroethane	U		0.260	1.00	1	04/30/2015 14:21	WG785315
1,2-Dichloroethane	U		0.360	1.00	1	04/30/2015 14:21	WG785315
1,1-Dichloroethene	U	J3	0.400	1.00	1	04/30/2015 14:21	WG785315
cis-1,2-Dichloroethene	U		0.260	1.00	1	04/30/2015 14:21	WG785315
trans-1,2-Dichloroethene	U	J3	0.400	1.00	1	04/30/2015 14:21	WG785315
1,2-Dichloropropane	U		0.310	1.00	1	04/30/2015 14:21	WG785315
cis-1,3-Dichloropropene	U		0.420	1.00	1	04/30/2015 14:21	WG785315
trans-1,3-Dichloropropene	U		0.420	1.00	1	04/30/2015 14:21	WG785315
Ethylbenzene	2.74		0.380	1.00	1	04/30/2015 14:21	WG785315
Isopropylbenzene	14.0		0.330	1.00	1	04/30/2015 14:21	WG785315
p-Isopropyltoluene	0.537	J	0.350	1.00	1	04/30/2015 14:21	WG785315
2-Butanone (MEK)	U		3.90	10.0	1	04/30/2015 14:21	WG785315
2-Hexanone	U		3.80	10.0	1	04/30/2015 14:21	WG785315
Methylene Chloride	U	J3	1.00	5.00	1	04/30/2015 14:21	WG785315
4-Methyl-2-pentanone (MIBK)	U		2.10	10.0	1	04/30/2015 14:21	WG785315
Methyl tert-butyl ether	55.3	J3 J6	0.370	1.00	1	04/30/2015 14:21	WG785315
Naphthalene	1.17	J	1.00	5.00	1	04/30/2015 14:21	WG785315
n-Propylbenzene	9.57		0.350	1.00	1	04/30/2015 14:21	WG785315
Styrene	U		0.310	1.00	1	04/30/2015 14:21	WG785315
1,1,1,2-Tetrachloroethane	U		0.380	1.00	1	04/30/2015 14:21	WG785315
1,1,2,2-Tetrachloroethane	U		0.130	1.00	1	04/30/2015 14:21	WG785315
Tetrachloroethene	U		0.370	1.00	1	04/30/2015 14:21	WG785315
Toluene	U		0.780	5.00	1	04/30/2015 14:21	WG785315
1,1,1-Trichloroethane	U		0.319	1.00	1	04/30/2015 14:21	WG785315
1,1,2-Trichloroethane	U		0.380	1.00	1	04/30/2015 14:21	WG785315
Trichloroethene	U		0.400	1.00	1	04/30/2015 14:21	WG785315
1,2,4-Trimethylbenzene	9.54		0.370	1.00	1	04/30/2015 14:21	WG785315
1,3,5-Trimethylbenzene	U		0.390	1.00	1	04/30/2015 14:21	WG785315
Vinyl chloride	U		0.260	1.00	1	04/30/2015 14:21	WG785315
o-Xylene	U		0.340	1.00	1	04/30/2015 14:21	WG785315
m&p-Xylene	17.5		0.720	1.00	1	04/30/2015 14:21	WG785315
Xylenes, Total	17.5		1.10	3.00	1	04/30/2015 14:21	WG785315
(S) Toluene-d8	*103*			*88.5-111*		*04/30/2015 14:21*	WG785315
(S) Dibromofluoromethane	*96.6*			*78.3-121*		*04/30/2015 14:21*	WG785315
(S) 4-Bromofluorobenzene	*100*			*71.0-126*		*04/30/2015 14:21*	WG785315

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	8600		25.0	100	1	04/24/2015 01:46	WG783646
(S) o-Terphenyl	*109*			*50.0-150*		*04/24/2015 01:46*	WG783646

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 10:28	WG784002

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	05/04/2015 11:23	WG786250

Wet Chemistry by Method 9056MOD

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	535000		5200	100000	100	04/28/2015 22:10	WG784970
Fluoride	690		9.90	100	1	04/28/2015 15:26	WG784970
Sulfate	1140000		7700	500000	100	04/28/2015 22:10	WG784970

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic	5.98		0.250	2.00	1	04/29/2015 21:50	WG783160
Arsenic,Dissolved	5.68		0.250	2.00	1	04/29/2015 15:52	WG785154
Barium	23.3		0.360	5.00	1	04/29/2015 21:50	WG783160
Barium,Dissolved	22.0		0.360	5.00	1	04/29/2015 15:52	WG785154
Calcium	289000		46.0	1000	1	04/29/2015 21:50	WG783160
Chromium	599	B	0.540	2.00	1	04/29/2015 21:50	WG783160
Chromium,Dissolved	29.8		0.540	2.00	1	04/29/2015 15:52	WG785154
Iron	2410	B	15.0	100	1	04/29/2015 21:50	WG783160
Iron,Dissolved	149		15.0	100	1	04/29/2015 15:52	WG785154
Lead	2.62		0.240	2.00	1	04/29/2015 21:50	WG783160
Lead,Dissolved	1.43	J	0.240	2.00	1	04/29/2015 15:52	WG785154
Manganese	860		0.250	5.00	1	04/29/2015 21:50	WG783160
Manganese,Dissolved	835	V	0.250	5.00	1	04/29/2015 15:52	WG785154
Potassium	411	J	37.0	1000	1	04/29/2015 21:50	WG783160
Selenium	0.420	J	0.380	2.00	1	04/29/2015 21:50	WG783160
Selenium,Dissolved	U		0.380	2.00	1	04/29/2015 15:52	WG785154
Sodium	281000		110	1000	1	04/29/2015 21:50	WG783160

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	2260		31.0	100	1	04/21/2015 22:25	WG783232
(S) α,α,α-Trifluorotoluene(FID)	*92.4*			*62.0-128*		*04/21/2015 22:25*	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	216	J	100	500	10	04/24/2015 14:57	WG783753
Benzene	155		3.30	10.0	10	04/24/2015 14:57	WG783753
Bromodichloromethane	U		3.80	10.0	10	04/24/2015 14:57	WG783753
Bromoform	U		4.70	10.0	10	04/24/2015 14:57	WG783753
Bromomethane	U		8.70	50.0	10	04/24/2015 14:57	WG783753
n-Butylbenzene	4.05	J	3.60	10.0	10	04/24/2015 14:57	WG783753
sec-Butylbenzene	11.8		3.60	10.0	10	04/24/2015 14:57	WG783753
Carbon disulfide	4.71	J	2.80	10.0	10	04/24/2015 14:57	WG783753
Carbon tetrachloride	U		3.80	10.0	10	04/24/2015 14:57	WG783753
Chlorobenzene	U		3.50	10.0	10	04/24/2015 14:57	WG783753

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chlorodibromomethane	U		3.30	10.0	10	04/24/2015 14:57	WG783753
Chloroethane	U		4.50	50.0	10	04/24/2015 14:57	WG783753
Chloroform	U		3.20	50.0	10	04/24/2015 14:57	WG783753
Chloromethane	U		2.80	25.0	10	04/24/2015 14:57	WG783753
1,2-Dibromoethane	U		3.80	10.0	10	04/24/2015 14:57	WG783753
1,1-Dichloroethane	U		2.60	10.0	10	04/24/2015 14:57	WG783753
1,2-Dichloroethane	U		3.60	10.0	10	04/24/2015 14:57	WG783753
1,1-Dichloroethene	U		4.00	10.0	10	04/24/2015 14:57	WG783753
cis-1,2-Dichloroethene	U		2.60	10.0	10	04/24/2015 14:57	WG783753
trans-1,2-Dichloroethene	U		4.00	10.0	10	04/24/2015 14:57	WG783753
1,2-Dichloropropane	U		3.10	10.0	10	04/24/2015 14:57	WG783753
cis-1,3-Dichloropropene	U		4.20	10.0	10	04/24/2015 14:57	WG783753
trans-1,3-Dichloropropene	U		4.20	10.0	10	04/24/2015 14:57	WG783753
Ethylbenzene	U		3.80	10.0	10	04/24/2015 14:57	WG783753
Isopropylbenzene	33.4		3.30	10.0	10	04/24/2015 14:57	WG783753
p-Isopropyltoluene	U		3.50	10.0	10	04/24/2015 14:57	WG783753
2-Butanone (MEK)	U		39.0	100	10	04/24/2015 14:57	WG783753
2-Hexanone	U		38.0	100	10	04/24/2015 14:57	WG783753
Methylene Chloride	U		10.0	50.0	10	04/24/2015 14:57	WG783753
4-Methyl-2-pentanone (MIBK)	U		21.0	100	10	04/24/2015 14:57	WG783753
Methyl tert-butyl ether	142		3.70	10.0	10	04/24/2015 14:57	WG783753
Naphthalene	U		10.0	50.0	10	04/24/2015 14:57	WG783753
n-Propylbenzene	53.5		3.50	10.0	10	04/24/2015 14:57	WG783753
Styrene	U		3.10	10.0	10	04/24/2015 14:57	WG783753
1,1,1,2-Tetrachloroethane	U		3.80	10.0	10	04/24/2015 14:57	WG783753
1,1,2,2-Tetrachloroethane	U		1.30	10.0	10	04/24/2015 14:57	WG783753
Tetrachloroethene	U		3.70	10.0	10	04/24/2015 14:57	WG783753
Toluene	U		7.80	50.0	10	04/24/2015 14:57	WG783753
1,1,1-Trichloroethane	U		3.19	10.0	10	04/24/2015 14:57	WG783753
1,1,2-Trichloroethane	U		3.80	10.0	10	04/24/2015 14:57	WG783753
Trichloroethene	U		4.00	10.0	10	04/24/2015 14:57	WG783753
1,2,4-Trimethylbenzene	75.8		3.70	10.0	10	04/24/2015 14:57	WG783753
1,3,5-Trimethylbenzene	U		3.90	10.0	10	04/24/2015 14:57	WG783753
Vinyl chloride	U		2.60	10.0	10	04/24/2015 14:57	WG783753
o-Xylene	U		3.40	10.0	10	04/24/2015 14:57	WG783753
m&p-Xylene	40.7		7.20	10.0	10	04/24/2015 14:57	WG783753
Xylenes, Total	40.7		11.0	30.0	10	04/24/2015 14:57	WG783753
(S) Toluene-d8	*101*			*88.5-111*		*04/24/2015 14:57*	WG783753
(S) Dibromofluoromethane	*102*			*78.3-121*		*04/24/2015 14:57*	WG783753
(S) 4-Bromofluorobenzene	*96.5*			*71.0-126*		*04/24/2015 14:57*	WG783753

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	8500		25.0	100	1	04/24/2015 00:53	WG783646
(S) o-Terphenyl	*102*			*50.0-150*		*04/24/2015 00:53*	WG783646

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 10:32	WG784002

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Nitrate-Nitrite	21.0	J P1	20.0	100	1	05/04/2015 09:14	WG786261

Wet Chemistry by Method 9056MOD

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	6200		52.0	1000	1	04/30/2015 20:45	WG785856
Fluoride	10.6	J	9.90	100	1	05/05/2015 19:20	WG785654
Sulfate	U	P1	77.0	5000	1	04/30/2015 20:45	WG785856

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	04/29/2015 20:15	WG783160
Arsenic,Dissolved	U		0.250	2.00	1	04/29/2015 16:01	WG785154
Barium	U		0.360	5.00	1	04/29/2015 20:15	WG783160
Barium,Dissolved	U		0.360	5.00	1	04/29/2015 16:01	WG785154
Calcium	U		46.0	1000	1	04/29/2015 20:15	WG783160
Chromium	U		0.540	2.00	1	04/29/2015 20:15	WG783160
Chromium,Dissolved	U		0.540	2.00	1	04/29/2015 16:01	WG785154
Iron	U		15.0	100	1	04/29/2015 20:15	WG783160
Iron,Dissolved	U		15.0	100	1	04/29/2015 16:01	WG785154
Lead	U		0.240	2.00	1	04/29/2015 20:15	WG783160
Lead,Dissolved	U		0.240	2.00	1	04/29/2015 16:01	WG785154
Manganese	U		0.250	5.00	1	04/29/2015 20:15	WG783160
Manganese,Dissolved	0.295	J	0.250	5.00	1	04/29/2015 16:01	WG785154
Potassium	U		37.0	1000	1	04/29/2015 20:15	WG783160
Selenium	U		0.380	2.00	1	04/29/2015 20:15	WG783160
Selenium,Dissolved	U		0.380	2.00	1	04/29/2015 16:01	WG785154
Sodium	U		110	1000	1	04/29/2015 20:15	WG783160

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 22:47	WG783232
(S) α,α,α-Trifluorotoluene(FID)	*92.0*			*62.0-128*		*04/21/2015 22:47*	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 08:57	WG783753
Benzene	U		0.330	1.00	1	04/24/2015 08:57	WG783753
Bromodichloromethane	U		0.380	1.00	1	04/24/2015 08:57	WG783753
Bromoform	U		0.470	1.00	1	04/24/2015 08:57	WG783753
Bromomethane	U		0.870	5.00	1	04/24/2015 08:57	WG783753
n-Butylbenzene	U		0.360	1.00	1	04/24/2015 08:57	WG783753
sec-Butylbenzene	U		0.360	1.00	1	04/24/2015 08:57	WG783753
Carbon disulfide	U		0.280	1.00	1	04/24/2015 08:57	WG783753
Carbon tetrachloride	U		0.380	1.00	1	04/24/2015 08:57	WG783753
Chlorobenzene	U		0.350	1.00	1	04/24/2015 08:57	WG783753

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chlorodibromomethane	U		0.330	1.00	1	04/24/2015 08:57	WG783753
Chloroethane	U		0.450	5.00	1	04/24/2015 08:57	WG783753
Chloroform	1.04	J	0.320	5.00	1	04/24/2015 08:57	WG783753
Chloromethane	U		0.280	2.50	1	04/24/2015 08:57	WG783753
1,2-Dibromoethane	U		0.380	1.00	1	04/24/2015 08:57	WG783753
1,1-Dichloroethane	U		0.260	1.00	1	04/24/2015 08:57	WG783753
1,2-Dichloroethane	U		0.360	1.00	1	04/24/2015 08:57	WG783753
1,1-Dichloroethene	U		0.400	1.00	1	04/24/2015 08:57	WG783753
cis-1,2-Dichloroethene	U		0.260	1.00	1	04/24/2015 08:57	WG783753
trans-1,2-Dichloroethene	U		0.400	1.00	1	04/24/2015 08:57	WG783753
1,2-Dichloropropane	U		0.310	1.00	1	04/24/2015 08:57	WG783753
cis-1,3-Dichloropropene	U		0.420	1.00	1	04/24/2015 08:57	WG783753
trans-1,3-Dichloropropene	U		0.420	1.00	1	04/24/2015 08:57	WG783753
Ethylbenzene	U		0.380	1.00	1	04/24/2015 08:57	WG783753
Isopropylbenzene	U		0.330	1.00	1	04/24/2015 08:57	WG783753
p-Isopropyltoluene	U		0.350	1.00	1	04/24/2015 08:57	WG783753
2-Butanone (MEK)	U		3.90	10.0	1	04/24/2015 08:57	WG783753
2-Hexanone	U		3.80	10.0	1	04/24/2015 08:57	WG783753
Methylene Chloride	U		1.00	5.00	1	04/24/2015 08:57	WG783753
4-Methyl-2-pentanone (MIBK)	U		2.10	10.0	1	04/24/2015 08:57	WG783753
Methyl tert-butyl ether	U		0.370	1.00	1	04/24/2015 08:57	WG783753
Naphthalene	U		1.00	5.00	1	04/24/2015 08:57	WG783753
n-Propylbenzene	U		0.350	1.00	1	04/24/2015 08:57	WG783753
Styrene	U		0.310	1.00	1	04/24/2015 08:57	WG783753
1,1,1,2-Tetrachloroethane	U		0.380	1.00	1	04/24/2015 08:57	WG783753
1,1,2,2-Tetrachloroethane	U		0.130	1.00	1	04/24/2015 08:57	WG783753
Tetrachloroethene	U		0.370	1.00	1	04/24/2015 08:57	WG783753
Toluene	U		0.780	5.00	1	04/24/2015 08:57	WG783753
1,1,1-Trichloroethane	U		0.319	1.00	1	04/24/2015 08:57	WG783753
1,1,2-Trichloroethane	U		0.380	1.00	1	04/24/2015 08:57	WG783753
Trichloroethene	U		0.400	1.00	1	04/24/2015 08:57	WG783753
1,2,4-Trimethylbenzene	U		0.370	1.00	1	04/24/2015 08:57	WG783753
1,3,5-Trimethylbenzene	U		0.390	1.00	1	04/24/2015 08:57	WG783753
Vinyl chloride	U		0.260	1.00	1	04/24/2015 08:57	WG783753
o-Xylene	U		0.340	1.00	1	04/24/2015 08:57	WG783753
m&p-Xylene	U		0.720	1.00	1	04/24/2015 08:57	WG783753
Xylenes, Total	U		1.10	3.00	1	04/24/2015 08:57	WG783753
(S) Toluene-d8	*101*			*88.5-111*		*04/24/2015 08:57*	WG783753
(S) Dibromofluoromethane	*102*			*78.3-121*		*04/24/2015 08:57*	WG783753
(S) 4-Bromofluorobenzene	*93.3*			*71.0-126*		*04/24/2015 08:57*	WG783753

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	81.0	J	25.0	100	1	04/24/2015 01:10	WG783646
(S) o-Terphenyl	*97.4*			*50.0-150*		*04/24/2015 01:10*	WG783646

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 08:35	WG783753
Benzene	U		0.330	1.00	1	04/24/2015 08:35	WG783753
Bromodichloromethane	U		0.380	1.00	1	04/24/2015 08:35	WG783753
Bromoform	U		0.470	1.00	1	04/24/2015 08:35	WG783753
Bromomethane	U		0.870	5.00	1	04/24/2015 08:35	WG783753
n-Butylbenzene	U		0.360	1.00	1	04/24/2015 08:35	WG783753
sec-Butylbenzene	U		0.360	1.00	1	04/24/2015 08:35	WG783753
Carbon disulfide	U		0.280	1.00	1	04/24/2015 08:35	WG783753
Carbon tetrachloride	U		0.380	1.00	1	04/24/2015 08:35	WG783753
Chlorobenzene	U		0.350	1.00	1	04/24/2015 08:35	WG783753
Chlorodibromomethane	U		0.330	1.00	1	04/24/2015 08:35	WG783753
Chloroethane	U		0.450	5.00	1	04/24/2015 08:35	WG783753
Chloroform	U		0.320	5.00	1	04/24/2015 08:35	WG783753
Chloromethane	U		0.280	2.50	1	04/24/2015 08:35	WG783753
1,2-Dibromoethane	U		0.380	1.00	1	04/24/2015 08:35	WG783753
1,1-Dichloroethane	U		0.260	1.00	1	04/24/2015 08:35	WG783753
1,2-Dichloroethane	U		0.360	1.00	1	04/24/2015 08:35	WG783753
1,1-Dichloroethene	U		0.400	1.00	1	04/24/2015 08:35	WG783753
cis-1,2-Dichloroethene	U		0.260	1.00	1	04/24/2015 08:35	WG783753
trans-1,2-Dichloroethene	U		0.400	1.00	1	04/24/2015 08:35	WG783753
1,2-Dichloropropane	U		0.310	1.00	1	04/24/2015 08:35	WG783753
cis-1,3-Dichloropropene	U		0.420	1.00	1	04/24/2015 08:35	WG783753
trans-1,3-Dichloropropene	U		0.420	1.00	1	04/24/2015 08:35	WG783753
Ethylbenzene	U		0.380	1.00	1	04/24/2015 08:35	WG783753
Isopropylbenzene	U		0.330	1.00	1	04/24/2015 08:35	WG783753
p-Isopropyltoluene	U		0.350	1.00	1	04/24/2015 08:35	WG783753
2-Butanone (MEK)	U		3.90	10.0	1	04/24/2015 08:35	WG783753
2-Hexanone	U		3.80	10.0	1	04/24/2015 08:35	WG783753
Methylene Chloride	U		1.00	5.00	1	04/24/2015 08:35	WG783753
4-Methyl-2-pentanone (MIBK)	U		2.10	10.0	1	04/24/2015 08:35	WG783753
Methyl tert-butyl ether	U		0.370	1.00	1	04/24/2015 08:35	WG783753
Naphthalene	U		1.00	5.00	1	04/24/2015 08:35	WG783753
n-Propylbenzene	U		0.350	1.00	1	04/24/2015 08:35	WG783753
Styrene	U		0.310	1.00	1	04/24/2015 08:35	WG783753
1,1,1,2-Tetrachloroethane	U		0.380	1.00	1	04/24/2015 08:35	WG783753
1,1,2,2-Tetrachloroethane	U		0.130	1.00	1	04/24/2015 08:35	WG783753
Tetrachloroethene	U		0.370	1.00	1	04/24/2015 08:35	WG783753
Toluene	U		0.780	5.00	1	04/24/2015 08:35	WG783753
1,1,1-Trichloroethane	U		0.319	1.00	1	04/24/2015 08:35	WG783753
1,1,2-Trichloroethane	U		0.380	1.00	1	04/24/2015 08:35	WG783753
Trichloroethene	U		0.400	1.00	1	04/24/2015 08:35	WG783753
1,2,4-Trimethylbenzene	U		0.370	1.00	1	04/24/2015 08:35	WG783753
1,3,5-Trimethylbenzene	U		0.390	1.00	1	04/24/2015 08:35	WG783753
Vinyl chloride	U		0.260	1.00	1	04/24/2015 08:35	WG783753
o-Xylene	U		0.340	1.00	1	04/24/2015 08:35	WG783753
m&p-Xylene	U		0.720	1.00	1	04/24/2015 08:35	WG783753
Xylenes, Total	U		1.10	3.00	1	04/24/2015 08:35	WG783753
(S) Toluene-d8	*102*			*88.5-111*		*04/24/2015 08:35*	WG783753
(S) Dibromofluoromethane	*106*			*78.3-121*		*04/24/2015 08:35*	WG783753
(S) 4-Bromofluorobenzene	*87.7*			*71.0-126*		*04/24/2015 08:35*	WG783753

Method Blank (MB)

(MB) 04/25/15 10:49

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

L760281-03 Original Sample (OS) • Duplicate (DUP)

(OS) 04/25/15 10:27 • (DUP) 04/25/15 10:27

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	mg/l	mg/l		%		%
Dissolved Solids	2390	2430	1	1.66		5

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

(LCS) 04/25/15 10:26 • (LCSD) 04/25/15 10:25

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	%	%	%			%	%
Dissolved Solids	8800	8270	8300	94.0	94.3	85.0-115			0.362	5

Method Blank (MB)

(MB) 04/27/15 08:36

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL 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

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

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	8700	98.1	98.9	85.0-115			0.808	5

Method Blank (MB)

(MB) 05/04/15 10:45

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL 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

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

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Nitrate-Nitrite	ND	ND	1	35	J P1	20

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

(LCS) 05/04/15 10:48 • (LCSD) 05/04/15 10:50

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 %
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

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Nitrate-Nitrite	5.00	4.34	9.05	8.59	95.0	85.8	1	90.0-110		J6	5.22	20

Method Blank (MB)

(MB) 05/04/15 09:07

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

L760281-07 Original Sample (OS) • Duplicate (DUP)

(OS) 05/04/15 09:14 • (DUP) 05/04/15 09:16

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Nitrate-Nitrite	ND	ND	1	200	P1	20

L760700-06 Original Sample (OS) • Duplicate (DUP)

(OS) 05/04/15 10:23 • (DUP) 05/04/15 10:24

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Nitrate-Nitrite	0.41	0.40	1	2.5		20

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

(LCS) 05/04/15 09:11 • (LCSD) 05/04/15 09:12

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 %
Nitrate-Nitrite	5.00	4.78	4.84	95.6	96.8	90.0-110			1.25	20

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

(OS) 05/04/15 09:17 • (MS) 05/04/15 09:18 • (MSD) 05/04/15 09:19

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Nitrate-Nitrite	5.00	5.08	9.43	9.44	86.6	86.8	1	90.0-110	J6	J6	0.106	20

Method Blank (MB)

(MB) 05/01/15 10:26

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL 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

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

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

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Cyanide	0.100	0.106	0.105	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

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 %
Cyanide	0.200	ND	0.209	0.206	105	103	1	90.0-110			1.45	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
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 P1	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
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 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
Sulfate	0.500	2940	7830	7830	98	98	100	80-120			0	20

Method Blank (MB)

(MB) 04/28/15 13:19

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

L760591-02 Original Sample (OS) • Duplicate (DUP)

(OS) 04/28/15 16:36 • (DUP) 04/28/15 16:50

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	16.7	16.2	2	3		20
Fluoride	0.860	0.916	2	6		20
Sulfate	138	139	2	0		20

L760604-01 Original Sample (OS) • Duplicate (DUP)

(OS) 04/28/15 19:23 • (DUP) 04/28/15 19:37

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	65.3	65.5	1	0		20
Fluoride	0.927	1.06	1	13		20

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

(LCS) 04/28/15 13:33 • (LCSD) 04/28/15 13:47

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	39.6	100	99	90-110			1	20
Fluoride	8.00	8.14	8.03	102	100	90-110			1	20
Sulfate	40.0	40.3	39.8	101	99	90-110			1	20

L760604-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 04/28/15 19:51 • (MS) 04/28/15 20:05 • (MSD) 04/28/15 20:19

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	50.0	81.5	128	128	94	94	1	80-120			0	20
Fluoride	5.00	0.856	5.99	5.16	103	86	1	80-120			15	20

Method Blank (MB)

(MB) 05/04/15 13:21

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL 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

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

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

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 %
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

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	1.45	6.34	6.47	98	100	1	80-120			2	20

Method Blank (MB)

(MB) 04/30/15 08:24

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL 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

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

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	6.20	5.82	1	6		20
Sulfate	0.0246	0.0954	1	118	J P1	20

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

(LCS) 04/30/15 08:39 • (LCSD) 04/30/15 08:55

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 %
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

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	50.0	8.33	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

Method Blank (MB)

(MB) 04/21/15 11:43

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL 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

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	0.00290	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

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

Method Blank (MB)

(MB) 04/29/15 20:08

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	0.00134	J	0.00054	0.00200
Iron	0.0856	J	0.015	0.100
Lead	U		0.00024	0.00200
Manganese	0.000588		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	U		0.00018	0.00500

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

(LCS) 04/29/15 20:11 • (LCSD) 04/29/15 20:13

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	0.0499	0.0459	100	92	80-120			8	20
Barium	0.0500	0.0483	0.0466	97	93	80-120			4	20
Calcium	5.00	4.83	4.62	97	92	80-120			4	20
Chromium	0.0500	0.0478	0.0466	96	93	80-120			2	20
Iron	5.00	4.62	4.46	92	89	80-120			4	20
Lead	0.0500	0.0492	0.0479	98	96	80-120			3	20
Manganese	0.0500	0.0488	0.0469	98	94	80-120			4	20
Nickel	0.0500	0.0486	0.0473	97	95	80-120			3	20
Potassium	5.00	4.84	4.70	97	94	80-120			3	20
Selenium	0.0500	0.0480	0.0464	96	93	80-120			3	20
Sodium	5.00	4.92	4.73	98	95	80-120			4	20
Vanadium	0.0500	0.0474	0.0464	95	93	80-120			2	20

L760281-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 04/29/15 20:15 • (MS) 04/29/15 20:20 • (MSD) 04/29/15 20:22

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	0.0000903	0.0471	0.0466	94	93	1	75-125			1	20
Barium	0.0500	0.0000954	0.0465	0.0456	93	91	1	75-125			2	20

L760281-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 04/29/15 20:15 • (MS) 04/29/15 20:20 • (MSD) 04/29/15 20:22

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	0.0324	4.82	4.45	96	88	1	75-125			8	20
Chromium	0.0500	0.000280	0.0471	0.0455	94	90	1	75-125			4	20
Potassium	5.00	ND	4.71	4.58	94	92	1	75-125			3	20
Iron	5.00	0.00245	4.48	4.39	90	88	1	75-125			2	20
Lead	0.0500	0.0000957	0.0487	0.0450	97	90	1	75-125			8	20
Manganese	0.0500	0.000119	0.0468	0.0463	93	92	1	75-125			1	20
Nickel	0.0500	0.000137	0.0477	0.0467	95	93	1	75-125			2	20
Selenium	0.0500	ND	0.0468	0.0459	94	92	1	75-125			2	20
Sodium	5.00	0.0755	4.82	4.70	95	92	1	75-125			3	20
Vanadium	0.0500	0.0000560	0.0470	0.0458	94	91	1	75-125			3	20

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

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
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

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 %
Vanadium,Dissolved	0.0500	0.000681	0.0487	0.0538	96	106	1	75-125			10	20

Method Blank (MB)

(MB) 04/29/15 15:45

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

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

(LCS) 04/29/15 15:47 • (LCSD) 04/29/15 15:50

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 %
Arsenic,Dissolved	0.0500	0.0479	0.0490	96	98	80-120			2	20
Barium,Dissolved	0.0500	0.0482	0.0492	96	98	80-120			2	20
Chromium,Dissolved	0.0500	0.0489	0.0489	98	98	80-120			0	20
Iron,Dissolved	5.00	4.66	4.64	93	93	80-120			0	20
Lead,Dissolved	0.0500	0.0498	0.0491	100	98	80-120			1	20
Manganese,Dissolved	0.0500	0.0484	0.0495	97	99	80-120			2	20
Selenium,Dissolved	0.0500	0.0481	0.0460	96	92	80-120			5	20

L760281-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 04/29/15 15:52 • (MS) 04/29/15 15:56 • (MSD) 04/29/15 15:59

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	0.00568	0.0539	0.0529	96	95	1	75-125			2	20
Barium,Dissolved	0.0500	0.0220	0.0720	0.0712	100	98	1	75-125			1	20
Chromium,Dissolved	0.0500	0.0298	0.0725	0.0705	85	81	1	75-125			3	20
Iron,Dissolved	5.00	0.149	4.38	4.24	85	82	1	75-125			3	20
Lead,Dissolved	0.0500	0.00143	0.0503	0.0494	98	96	1	75-125			2	20
Manganese,Dissolved	0.0500	0.835	0.819	0.796	0	0	1	75-125	V	V	3	20
Selenium,Dissolved	0.0500	0.000337	0.0440	0.0458	87	91	1	75-125			4	20

Method Blank (MB)

(MB) 04/21/15 13:36

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)	*92.4*			*62.0-128*

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

(LCS) 04/21/15 11:15 • (LCSD) 04/21/15 11:38

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 %
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 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	4.99	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*				

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 06:42

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

Method Blank (MB)

(MB) 04/24/15 06:42

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	*101*			*88.5-111*
(S) Dibromofluoromethane	*105*			*78.3-121*
(S) 4-Bromofluorobenzene	*92.3*			*71.0-126*

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

(LCS) 04/24/15 05:18 • (LCSD) 04/24/15 05:39

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	0.132	0.138	105	111	35.6-163			5.10	23.9
Benzene	0.0250	0.0245	0.0249	97.9	99.6	74.8-121			1.81	20
Bromodichloromethane	0.0250	0.0282	0.0280	113	112	75.1-116			0.900	20
Bromoform	0.0250	0.0256	0.0265	103	106	67.5-130			3.25	20
Bromomethane	0.0250	0.0275	0.0276	110	111	49.9-162			0.500	20
n-Butylbenzene	0.0250	0.0305	0.0310	122	124	76.2-126			1.36	20
sec-Butylbenzene	0.0250	0.0249	0.0256	99.7	102	74.4-127			2.48	20
Carbon disulfide	0.0250	0.0264	0.0267	106	107	64.6-140			0.840	20
Carbon tetrachloride	0.0250	0.0291	0.0294	116	118	70.2-123			0.960	20
Chlorobenzene	0.0250	0.0239	0.0243	95.6	97.2	78.1-119			1.62	20
Chlorodibromomethane	0.0250	0.0249	0.0260	99.6	104	74.0-121			4.22	20
Chloroethane	0.0250	0.0261	0.0272	104	109	61.7-135			4.30	20
Chloroform	0.0250	0.0262	0.0264	105	106	76.0-121			0.670	20
Chloromethane	0.0250	0.0236	0.0236	94.5	94.5	61.5-129			0.0500	20
1,2-Dibromoethane	0.0250	0.0230	0.0231	91.8	92.5	76.6-121			0.730	20
1,1-Dichloroethane	0.0250	0.0266	0.0276	107	110	70.7-126			3.51	20
1,2-Dichloroethane	0.0250	0.0307	0.0306	123	123	68.8-124			0.160	20
1,1-Dichloroethene	0.0250	0.0304	0.0302	122	121	67.8-129			0.650	20
cis-1,2-Dichloroethene	0.0250	0.0240	0.0249	96.0	99.6	76.0-119			3.66	20
trans-1,2-Dichloroethene	0.0250	0.0250	0.0251	99.9	100	72.6-121			0.470	20
1,2-Dichloropropane	0.0250	0.0266	0.0263	106	105	76.5-119			0.970	20

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

(LCS) 04/24/15 05:18 • (LCSD) 04/24/15 05:39

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
cis-1,3-Dichloropropene	0.0250	0.0284	0.0271	114	109	78.2-120			4.58	20
trans-1,3-Dichloropropene	0.0250	0.0245	0.0253	98.2	101	74.3-123			2.97	20
Ethylbenzene	0.0250	0.0241	0.0248	96.5	99.1	78.8-122			2.67	20
2-Hexanone	0.125	0.116	0.124	92.8	99.3	65.6-144			6.79	20
Isopropylbenzene	0.0250	0.0242	0.0247	96.8	98.9	78.6-132			2.09	20
p-Isopropyltoluene	0.0250	0.0257	0.0259	103	104	74.0-131			0.930	20
2-Butanone (MEK)	0.125	0.139	0.146	111	116	55.0-149			4.94	20
Methylene Chloride	0.0250	0.0233	0.0247	93.3	98.7	70.3-120			5.64	20
4-Methyl-2-pentanone (MIBK)	0.125	0.136	0.137	109	110	70.5-133			0.400	20
Methyl tert-butyl ether	0.0250	0.0242	0.0243	96.9	97.2	71.2-126			0.350	20
Naphthalene	0.0250	0.0224	0.0220	89.6	88.1	68.4-128			1.75	20
n-Propylbenzene	0.0250	0.0254	0.0261	102	104	78.2-122			2.48	20
Styrene	0.0250	0.0223	0.0213	89.3	85.3	80.4-126			4.60	20
1,1,1,2-Tetrachloroethane	0.0250	0.0256	0.0258	102	103	74.2-124			0.780	20
1,1,2,2-Tetrachloroethane	0.0250	0.0232	0.0235	92.9	93.8	70.7-122			1.03	20
Tetrachloroethene	0.0250	0.0257	0.0257	103	103	72.6-126			0.290	20
Toluene	0.0250	0.0248	0.0245	99.3	98.0	79.7-116			1.39	20
1,1,1-Trichloroethane	0.0250	0.0301	0.0298	120	119	73.2-123			0.810	20
1,1,2-Trichloroethane	0.0250	0.0228	0.0228	91.3	91.3	77.7-118			0.0200	20
Trichloroethene	0.0250	0.0241	0.0243	96.6	97.3	77.7-118			0.740	20
1,2,4-Trimethylbenzene	0.0250	0.0240	0.0246	96.0	98.5	75.0-123			2.55	20
1,3,5-Trimethylbenzene	0.0250	0.0240	0.0242	96.1	96.9	75.6-124			0.850	20
Vinyl chloride	0.0250	0.0266	0.0263	106	105	65.9-128			0.870	20
Xylenes, Total	0.0750	0.0712	0.0720	94.9	96.0	78.7-121			1.09	20
o-Xylene	0.0250	0.0232	0.0239	92.8	95.8	77.6-122			3.12	20
m&p-Xylenes	0.0500	0.0480	0.0481	96.0	96.1	78.8-121			0.100	20
(S) Toluene-d8				*103*	*101*	*88.5-111*				
(S) Dibromofluoromethane				*102*	*101*	*78.3-121*				
(S) 4-Bromofluorobenzene				*92.0*	*92.6*	*71.0-126*				

L760280-11 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 04/24/15 09:18 • (MS) 04/24/15 07:12 • (MSD) 04/24/15 07:33

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	0.00212	0.131	0.135	103	107	1	10.0-130			3.02	27.9
Benzene	0.0250	ND	0.0251	0.0244	100	97.7	1	54.3-133			2.64	20
Bromodichloromethane	0.0250	ND	0.0280	0.0291	112	116	1	63.9-121			3.80	20

L760280-11 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 04/24/15 09:18 • (MS) 04/24/15 07:12 • (MSD) 04/24/15 07:33

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Bromoform	0.0250	ND	0.0277	0.0287	111	115	1	59.5-134			3.66	20.5
Bromomethane	0.0250	ND	0.0254	0.0265	101	106	1	41.7-155			4.45	21.9
n-Butylbenzene	0.0250	ND	0.0295	0.0305	118	122	1	62.7-140			3.19	20.3
sec-Butylbenzene	0.0250	ND	0.0256	0.0262	102	105	1	62.2-136			2.43	20.3
Carbon disulfide	0.0250	ND	0.0264	0.0262	105	105	1	43.3-149			0.560	20.3
Carbon tetrachloride	0.0250	ND	0.0296	0.0292	118	117	1	55.7-134			1.17	20
Chlorobenzene	0.0250	ND	0.0242	0.0251	96.9	100	1	67.0-125			3.53	20
Chlorodibromomethane	0.0250	ND	0.0259	0.0273	104	109	1	64.3-125			5.28	20.8
Chloroethane	0.0250	ND	0.0259	0.0266	104	106	1	51.5-136			2.62	40
Chloroform	0.0250	ND	0.0274	0.0263	110	105	1	63.0-129			4.04	20
Chloromethane	0.0250	ND	0.0238	0.0239	95.1	95.6	1	42.4-135			0.540	20
1,2-Dibromoethane	0.0250	ND	0.0243	0.0257	97.2	103	1	67.1-125			5.69	20
1,1-Dichloroethane	0.0250	ND	0.0275	0.0270	110	108	1	58.5-132			2.09	20
1,2-Dichloroethane	0.0250	ND	0.0321	0.0321	128	128	1	60.0-126	J5	J5	0.170	20
1,1-Dichloroethene	0.0250	ND	0.0309	0.0303	123	121	1	51.1-140			2.01	20.2
cis-1,2-Dichloroethene	0.0250	ND	0.0251	0.0245	101	98.0	1	59.2-129			2.52	20
trans-1,2-Dichloroethene	0.0250	ND	0.0256	0.0242	102	97.0	1	56.5-129			5.27	20
1,2-Dichloropropane	0.0250	ND	0.0252	0.0263	101	105	1	64.2-123			4.26	20
cis-1,3-Dichloropropene	0.0250	ND	0.0268	0.0280	107	112	1	66.4-125			4.60	20
trans-1,3-Dichloropropene	0.0250	ND	0.0244	0.0239	97.6	95.7	1	64.1-128			2.00	20
Ethylbenzene	0.0250	ND	0.0244	0.0255	97.4	102	1	61.4-133			4.77	20
2-Hexanone	0.125	ND	0.130	0.141	104	112	1	43.3-137			8.19	25.5
Isopropylbenzene	0.0250	ND	0.0248	0.0254	99.2	102	1	66.8-141			2.30	20
p-Isopropyltoluene	0.0250	ND	0.0258	0.0272	103	109	1	63.2-139			5.48	20.4
2-Butanone (MEK)	0.125	ND	0.150	0.159	120	127	1	22.4-138			5.78	27
Methylene Chloride	0.0250	0.000306	0.0249	0.0243	98.4	96.0	1	58.1-122			2.41	20
4-Methyl-2-pentanone (MIBK)	0.125	ND	0.153	0.169	122	135	1	60.8-140			10.4	25.1
Methyl tert-butyl ether	0.0250	ND	0.0261	0.0268	104	107	1	57.7-134			2.66	20
Naphthalene	0.0250	ND	0.0246	0.0265	98.2	106	1	58.0-135			7.48	25.5
n-Propylbenzene	0.0250	ND	0.0257	0.0267	103	107	1	65.9-131			3.59	20
Styrene	0.0250	ND	0.0206	0.0210	82.4	83.9	1	66.8-133			1.83	20
1,1,1,2-Tetrachloroethane	0.0250	ND	0.0258	0.0267	103	107	1	64.0-128			3.32	20
1,1,2,2-Tetrachloroethane	0.0250	ND	0.0253	0.0279	101	112	1	56.0-132			9.57	22.2
Tetrachloroethene	0.0250	ND	0.0249	0.0268	99.4	107	1	53.0-139			7.41	20
Toluene	0.0250	ND	0.0242	0.0248	96.7	99.4	1	61.4-130			2.70	20
1,1,1-Trichloroethane	0.0250	ND	0.0302	0.0292	121	117	1	58.7-134			3.29	20
1,1,2-Trichloroethane	0.0250	ND	0.0241	0.0252	96.4	101	1	66.3-125			4.47	20
Trichloroethene	0.0250	ND	0.0239	0.0243	95.7	97.1	1	44.1-149			1.36	20
1,2,4-Trimethylbenzene	0.0250	ND	0.0245	0.0258	97.8	103	1	57.4-137			5.25	20

L760280-11 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 04/24/15 09:18 • (MS) 04/24/15 07:12 • (MSD) 04/24/15 07:33

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
1,3,5-Trimethylbenzene	0.0250	ND	0.0248	0.0254	99.2	102	1	63.6-132			2.46	20.5
Vinyl chloride	0.0250	ND	0.0259	0.0261	103	104	1	47.8-137			0.910	20
Xylenes, Total	0.0750	ND	0.0710	0.0729	94.7	97.2	1	63.3-131			2.54	20
o-Xylene	0.0250	ND	0.0238	0.0242	95.1	96.7	1	63.3-130			1.65	20
m&p-Xylenes	0.0500	ND	0.0473	0.0487	94.5	97.4	1	61.7-133			2.98	20
(S) Toluene-d8					*101*	*103*		*88.5-111*				
(S) Dibromofluoromethane					*105*	*104*		*78.3-121*				
(S) 4-Bromofluorobenzene					*93.6*	*97.4*		*71.0-126*				

Method Blank (MB)

(MB) 04/30/15 10:53

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

Method Blank (MB)

(MB) 04/30/15 10:53

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	*92.9*			*78.3-121*
(S) 4-Bromofluorobenzene	*105*			*71.0-126*

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 %
Acetone	0.125	0.170	0.134	136	107	35.6-163			23.5	23.9
Benzene	0.0250	0.0238	0.0229	95.3	91.5	74.8-121			4.09	20
Bromodichloromethane	0.0250	0.0240	0.0223	96.0	89.1	75.1-116			7.42	20
Bromoform	0.0250	0.0266	0.0257	106	103	67.5-130			3.54	20
Bromomethane	0.0250	0.0180	0.0171	72.1	68.3	49.9-162			5.41	20
n-Butylbenzene	0.0250	0.0238	0.0233	95.1	93.0	76.2-126			2.23	20
sec-Butylbenzene	0.0250	0.0259	0.0254	103	101	74.4-127			1.96	20
Carbon disulfide	0.0250	0.0238	0.0192	95.2	76.7	64.6-140		J3	21.6	20
Carbon tetrachloride	0.0250	0.0254	0.0240	101	96.0	70.2-123			5.49	20
Chlorobenzene	0.0250	0.0253	0.0252	101	101	78.1-119			0.460	20
Chlorodibromomethane	0.0250	0.0253	0.0248	101	99.1	74.0-121			2.12	20
Chloroethane	0.0250	0.0207	0.0193	82.7	77.1	61.7-135			7.00	20
Chloroform	0.0250	0.0233	0.0224	93.1	89.5	76.0-121			4.03	20
Chloromethane	0.0250	0.0177	0.0162	70.6	64.9	61.5-129			8.37	20
1,2-Dibromoethane	0.0250	0.0258	0.0259	103	104	76.6-121			0.370	20
1,1-Dichloroethane	0.0250	0.0242	0.0228	96.6	91.2	70.7-126			5.79	20
1,2-Dichloroethane	0.0250	0.0236	0.0228	94.5	91.1	68.8-124			3.75	20
1,1-Dichloroethene	0.0250	0.0232	0.0186	92.6	74.6	67.8-129		J3	21.6	20
cis-1,2-Dichloroethene	0.0250	0.0253	0.0233	101	93.2	76.0-119			8.42	20
trans-1,2-Dichloroethene	0.0250	0.0249	0.0204	99.5	81.7	72.6-121			19.7	20
1,2-Dichloropropane	0.0250	0.0245	0.0240	97.9	96.0	76.5-119			1.98	20

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 %
cis-1,3-Dichloropropene	0.0250	0.0262	0.0248	105	99.2	78.2-120			5.48	20
trans-1,3-Dichloropropene	0.0250	0.0269	0.0250	108	99.8	74.3-123			7.61	20
Ethylbenzene	0.0250	0.0250	0.0245	100	98.2	78.8-122			1.95	20
2-Hexanone	0.125	0.140	0.135	112	108	65.6-144			3.73	20
Isopropylbenzene	0.0250	0.0254	0.0251	101	100	78.6-132			0.990	20
p-Isopropyltoluene	0.0250	0.0261	0.0256	104	102	74.0-131			1.93	20
2-Butanone (MEK)	0.125	0.143	0.133	114	106	55.0-149			7.12	20
Methylene Chloride	0.0250	0.0247	0.0192	98.8	77.0	70.3-120		J3	24.8	20
4-Methyl-2-pentanone (MIBK)	0.125	0.124	0.115	99.1	92.0	70.5-133			7.40	20
Methyl tert-butyl ether	0.0250	0.0257	0.0209	103	83.4	71.2-126		J3	20.9	20
Naphthalene	0.0250	0.0240	0.0226	96.2	90.5	68.4-128			6.11	20
n-Propylbenzene	0.0250	0.0249	0.0248	99.8	99.3	78.2-122			0.520	20
Styrene	0.0250	0.0265	0.0258	106	103	80.4-126			2.55	20
1,1,1,2-Tetrachloroethane	0.0250	0.0256	0.0263	102	105	74.2-124			2.63	20
1,1,2,2-Tetrachloroethane	0.0250	0.0251	0.0251	100	100	70.7-122			0.0200	20
Tetrachloroethene	0.0250	0.0257	0.0255	103	102	72.6-126			0.760	20
Toluene	0.0250	0.0243	0.0232	97.3	92.9	79.7-116			4.72	20
1,1,1-Trichloroethane	0.0250	0.0247	0.0235	98.8	94.0	73.2-123			5.06	20
1,1,2-Trichloroethane	0.0250	0.0243	0.0244	97.4	97.7	77.7-118			0.350	20
Trichloroethene	0.0250	0.0261	0.0253	104	101	77.7-118			3.08	20
1,2,4-Trimethylbenzene	0.0250	0.0252	0.0250	101	99.9	75.0-123			0.790	20
1,3,5-Trimethylbenzene	0.0250	0.0248	0.0250	99.2	100	75.6-124			0.780	20
Vinyl chloride	0.0250	0.0194	0.0188	77.6	75.2	65.9-128			3.16	20
Xylenes, Total	0.0750	0.0760	0.0753	101	100	78.7-121			1.02	20
o-Xylene	0.0250	0.0251	0.0254	100	102	77.6-122			1.34	20
m&p-Xylenes	0.0500	0.0509	0.0498	102	99.7	78.8-121			2.20	20
(S) Toluene-d8				*104*	*103*	*88.5-111*				
(S) Dibromofluoromethane				*98.6*	*98.3*	*78.3-121*				
(S) 4-Bromofluorobenzene				*103*	*106*	*71.0-126*				

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 %
Acetone	0.125	ND	0.153	0.118	123	94.0	1	10.0-130			26.5	27.9
Benzene	0.0250	0.0770	0.102	0.0989	101	87.7	1	54.3-133			3.38	20
Bromodichloromethane	0.0250	ND	0.0250	0.0219	99.9	87.7	1	63.9-121			13.0	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 %
Bromoform	0.0250	ND	0.0301	0.0258	120	103	1	59.5-134			15.7	20.5
Bromomethane	0.0250	ND	0.0175	0.0146	70.1	58.5	1	41.7-155			18.0	21.9
n-Butylbenzene	0.0250	0.00116	0.0277	0.0247	106	94.2	1	62.7-140			11.6	20.3
sec-Butylbenzene	0.0250	0.00245	0.0314	0.0273	116	99.5	1	62.2-136			14.0	20.3
Carbon disulfide	0.0250	0.00106	0.0263	0.0213	101	81.1	1	43.3-149		J3	20.9	20.3
Carbon tetrachloride	0.0250	ND	0.0221	0.0202	88.6	80.6	1	55.7-134			9.39	20
Chlorobenzene	0.0250	ND	0.0285	0.0246	114	98.4	1	67.0-125			14.7	20
Chlorodibromomethane	0.0250	ND	0.0288	0.0246	115	98.5	1	64.3-125			15.7	20.8
Chloroethane	0.0250	ND	0.0210	0.0188	84.2	75.1	1	51.5-136			11.4	40
Chloroform	0.0250	ND	0.0294	0.0267	117	107	1	63.0-129			9.66	20
Chloromethane	0.0250	ND	0.0209	0.0185	83.7	74.0	1	42.4-135			12.4	20
1,2-Dibromoethane	0.0250	ND	0.0300	0.0248	120	99.1	1	67.1-125			19.2	20
1,1-Dichloroethane	0.0250	ND	0.0263	0.0231	105	92.2	1	58.5-132			13.3	20
1,2-Dichloroethane	0.0250	ND	0.0259	0.0228	104	91.3	1	60.0-126			12.6	20
1,1-Dichloroethene	0.0250	ND	0.0222	0.0192	88.8	76.8	1	51.1-140			14.5	20.2
cis-1,2-Dichloroethene	0.0250	ND	0.0271	0.0241	108	96.4	1	59.2-129			11.7	20
trans-1,2-Dichloroethene	0.0250	ND	0.0260	0.0204	104	81.8	1	56.5-129		J3	24.0	20
1,2-Dichloropropane	0.0250	ND	0.0274	0.0245	109	98.0	1	64.2-123			11.1	20
cis-1,3-Dichloropropene	0.0250	ND	0.0279	0.0246	112	98.6	1	66.4-125			12.4	20
trans-1,3-Dichloropropene	0.0250	ND	0.0309	0.0264	124	106	1	64.1-128			15.7	20
Ethylbenzene	0.0250	0.00274	0.0310	0.0267	113	96.0	1	61.4-133			14.7	20
2-Hexanone	0.125	ND	0.149	0.126	119	101	1	43.3-137			17.0	25.5
Isopropylbenzene	0.0250	0.0140	0.0429	0.0390	115	100	1	66.8-141			9.40	20
p-Isopropyltoluene	0.0250	0.000537	0.0296	0.0255	116	99.9	1	63.2-139			14.9	20.4
2-Butanone (MEK)	0.125	ND	0.141	0.123	113	98.6	1	22.4-138			13.8	27
Methylene Chloride	0.0250	ND	0.0256	0.0197	103	78.9	1	58.1-122		J3	26.1	20
4-Methyl-2-pentanone (MIBK)	0.125	ND	0.145	0.126	116	100	1	60.8-140			14.5	25.1
Methyl tert-butyl ether	0.0250	0.0553	0.0767	0.0672	86.0	47.7	1	57.7-134		J6	13.3	20
Naphthalene	0.0250	0.00117	0.0294	0.0258	113	98.5	1	58.0-135			13.2	25.5
n-Propylbenzene	0.0250	0.00957	0.0379	0.0341	113	98.2	1	65.9-131			10.4	20
Styrene	0.0250	ND	0.0289	0.0251	116	100	1	66.8-133			14.1	20
1,1,1,2-Tetrachloroethane	0.0250	ND	0.0286	0.0247	115	98.6	1	64.0-128			15.0	20
1,1,2,2-Tetrachloroethane	0.0250	ND	0.0300	0.0255	120	102	1	56.0-132			16.2	22.2
Tetrachloroethene	0.0250	ND	0.0285	0.0241	114	96.3	1	53.0-139			16.7	20
Toluene	0.0250	0.000587	0.0267	0.0240	105	93.6	1	61.4-130			10.8	20
1,1,1-Trichloroethane	0.0250	ND	0.0243	0.0217	97.1	86.6	1	58.7-134			11.4	20
1,1,2-Trichloroethane	0.0250	ND	0.0299	0.0253	120	101	1	66.3-125			16.8	20
Trichloroethene	0.0250	ND	0.0282	0.0248	113	99.3	1	44.1-149			12.8	20
1,2,4-Trimethylbenzene	0.0250	0.00954	0.0384	0.0336	115	96.2	1	57.4-137			13.4	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 %
1,3,5-Trimethylbenzene	0.0250	0.000367	0.0280	0.0240	111	94.7	1	63.6-132			15.3	20.5
Vinyl chloride	0.0250	ND	0.0210	0.0184	83.8	73.4	1	47.8-137			13.2	20
Xylenes, Total	0.0750	0.0175	0.103	0.0914	114	98.5	1	63.3-131			12.2	20
o-Xylene	0.0250	ND	0.0281	0.0250	112	99.9	1	63.3-130			11.8	20
m&p-Xylenes	0.0500	0.0175	0.0752	0.0665	115	97.9	1	61.7-133			12.3	20
(S) Toluene-d8					*104*	*104*		*88.5-111*				
(S) Dibromofluoromethane					*99.2*	*97.8*		*78.3-121*				
(S) 4-Bromofluorobenzene					*104*	*102*		*71.0-126*				

Method Blank (MB)

(MB) 04/23/15 10:34

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	*96.7*			*50.0-150*

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

(LCS) 04/23/15 10:52 • (LCSD) 04/23/15 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 %
TPH (GC/FID) High Fraction	1.50	1.59	1.64	106	109	50.0-150			3.38	20
(S) o-Terphenyl				*102*	*104*	*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.
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.
J7	Surrogate recovery cannot be used for control limit evaluation due to dilution.
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.

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
Conneticut	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 [1 4]	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		

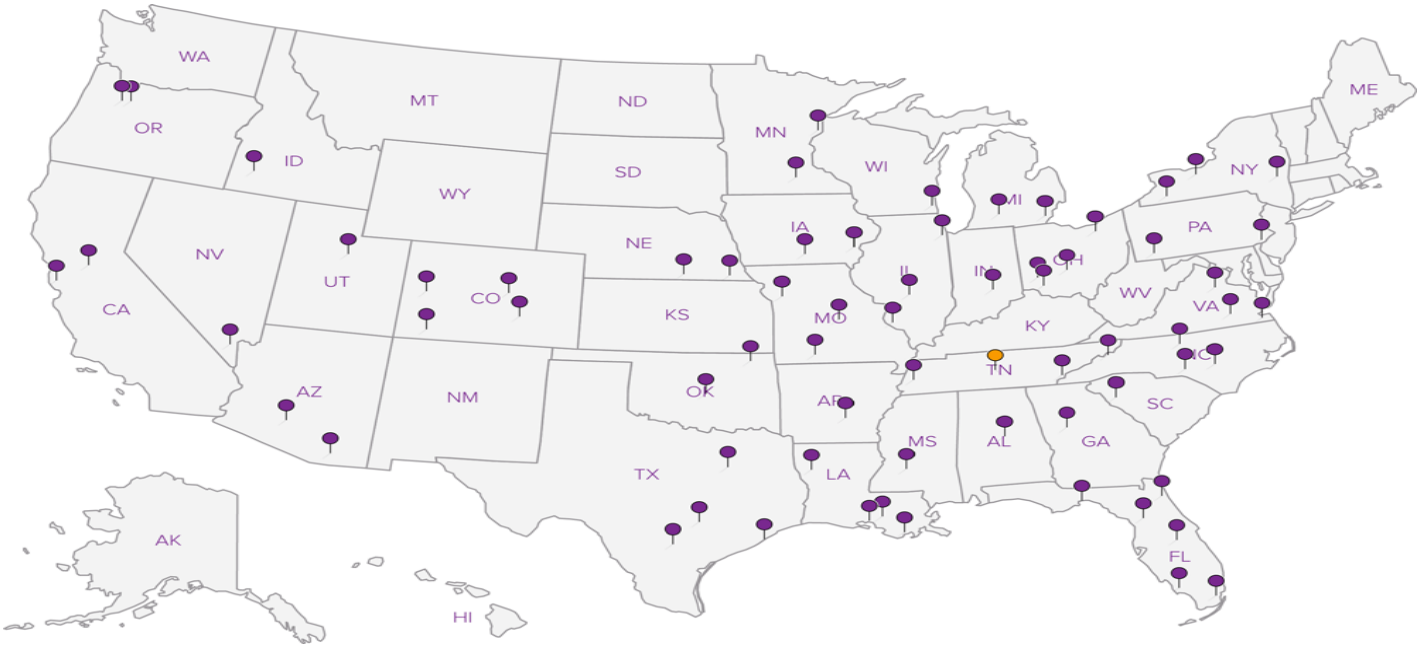
[1.] Drinking Water [2.] Underground Storage Tanks [3.] Aquatic Toxicity [4.] Chemical/Microbiological [5.] Mold [n/a] Accreditation not applicable

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.**



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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 Collected: Artesia, NM

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

TEL TX000836.007.15005 ✓

Lab Project # ARCADHTX-NAVAJO FULL

Collected by (print): Terrance Barry + Ami

Site/Facility ID #

P.O. #

Collected by (signature): Scott Ude

Immediately Iced? N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Next Day 100%
___ Two Day 50%
___ Three Day 25%

Date Results Needed

Email? ___No ___Yes
FAX? ___No ___Yes

Analysis / Container / Preservative

Chain of Custody Page 12 of 34

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

L# L760281

J154

Acctnum: ARCADHTX
Template: T101476
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 (12)	Total Metals: As, Ba, Cr, Fe, Pb, Mn, Ni, Se, V, Hg	Dis Metals: (FFiltered) As, Ba, Cr, Fe, Pb, Mn, Se (12)	Dis Metals: (FFiltered) As, Ba, Cr, Fe, Pb, Mn, Ni, Se,V (12)	Cyanide (7/2)	Anions: Chloride, Fluoride, Sulfate	Cations: Ca, K, Na (from Total Metals container) (12)	NO2 / NO3 (12)	TDS	Remarks/Comments	Sample # (lab only)
TEL-4	G	GW		4/16/15	825	12	✓	✓	✓	✓		✓			✓	✓	✓	✓		-01
TEL-3	↓	↓		↓	950	12	✓	✓	✓	✓		✓			✓	✓	✓	✓		-02
TEL-2	↓	↓		↓	1130	12	✓	✓	✓	✓		✓			✓	✓	✓	✓		-03
TEL-1	↓	↓		↓	1255	12	✓	✓	✓	✓		✓			✓	✓	✓	✓		-04
MW-49	↓	↓		4/17/15	950	13	✓	✓	✓		✓		✓	✓	✓	✓	✓	✓		-05

* 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)
Scott Ude	4/17/15	1600	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)

Samples returned via: ☐ UPS ☑ FedEx ☐ Courier ☐ ___

Temp: 3.1 °C 86

Date: 4/18/15 0900

Condition: (lab use only) M3 (OK)

COC Seal Intact: ✓ Y ___ N ___ NA

pH Checked: LZ 7/2 NCF:

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

TEL TX000836.007.15005 ✓

Lab Project # ARCADHTX-NAVAJO FULL

Collected by (print): Terrance Barry + HM

Site/Facility ID #

P.O. #

Collected by (signature): Scott Ude

Immediately Iced? N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Next Day 100%
___ Two Day 50%
___ Three Day 25%

Date Results Needed

Email? ___No ___Yes
FAX? ___No ___Yes

No. of Cntr

Analysis / Container / Preservative

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)
DUP-TEL-01	G	GW		4/16/15	1000	12	✓	✓	✓	✓		✓			✓	✓	✓	✓		-06
EB-TEL-01	↓	↓		↓	1015	12	✓	✓	✓	✓		✓			✓	✓	✓	✓		-07
Trip Blank-TEL-01	↓	↓		↓	—	1			✓											-08

Chain of Custody

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

L# L760281

Table #

Acctnum: ARCADHTX
Template: T101476
Prelogin:
TSR: Pam Langford
PB:

Shipped Via:

* 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)
Scott Ude	4/17/15	1600	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)

Samples returned via: ☐ UPS ☑ FedEx ☐ Courier ☐ ___

Temp: 3.1 °C 86

Date: 4/18/15 0900

Condition: (lab use only)

COC Seal Intact: ___Y ___N ___NA

pH Checked: 2 712

NCF:

ANALYTICAL REPORT

June 02, 2015

ARCADIS US - TX

Sample Delivery Group:	L760282
Samples Received:	04/18/2015
Project Number:	TX000836.0007.15007
Description:	Navajo Refining Company - Artesia, NM
Site:	TMD
Report To:	Pam Krueger 2929 Briarpark Dr., Suite 300 Houston, TX 77042

Entire Report Reviewed By:

Pamela a. Langford

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.

TABLE OF CONTENTS

MW-20 L760282-01 GW

Collected by: BB/SU/BH | Collected date/time: 04/17/15 11:50 | 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 08:46	JG
Metals (ICPMS) by Method 6020	WG783162	1	04/27/15 20:39	04/29/15 12:27	JD
Metals (ICPMS) by Method 6020	WG785154	1	04/28/15 15:35	04/29/15 16:03	VSS
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG783365	1	04/20/15 17:32	04/22/15 05:37	JNS
Volatile Organic Compounds (GC/MS) by Method 8260B	WG783747	1	04/23/15 23:21	04/23/15 23:21	MCB
Wet Chemistry by Method 353.2	WG786261	1	05/04/15 09:17	05/04/15 09:17	JAL
Wet Chemistry by Method 9056MOD	WG784970	1	04/28/15 17:46	04/28/15 17:46	DJD
Wet Chemistry by Method 9056MOD	WG784970	100	04/28/15 15:54	04/28/15 15:54	DJD

MW-8 L760282-02 GW

Collected by: BB/SU/BH | Collected date/time: 04/17/15 12:45 | 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	WG784341	1	04/24/15 12:37	04/27/15 08:43	JG
Metals (ICPMS) by Method 6020	WG783162	1	04/27/15 20:39	04/29/15 13:10	LAT
Metals (ICPMS) by Method 6020	WG785154	1	04/28/15 15:35	04/29/15 16:05	VSS
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG783365	1	04/20/15 17:32	04/22/15 05:55	JNS
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG783232	1	04/21/15 23:09	04/21/15 23:09	MCB
Volatile Organic Compounds (GC/MS) by Method 8260B	WG783751	1	04/24/15 03:27	04/24/15 03:27	KLO
Wet Chemistry by Method 353.2	WG786261	1	05/04/15 09:20	05/04/15 09:20	JAL
Wet Chemistry by Method 9056MOD	WG784970	1	04/28/15 18:00	04/28/15 18:00	DJD
Wet Chemistry by Method 9056MOD	WG784970	100	04/28/15 16:08	04/28/15 16:08	DJD

MW-71 L760282-03 GW

Collected by: BB/SU/BH | Collected date/time: 04/16/15 15:00 | 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	WG784002	1	04/23/15 17:28	04/25/15 10:30	JG
Mercury by Method 7470A	WG783355	1	04/20/15 23:05	04/21/15 11:07	ESC
Metals (ICPMS) by Method 6020	WG783162	1	04/27/15 20:39	04/29/15 13:13	LAT
Metals (ICPMS) by Method 6020	WG785154	1	04/28/15 15:35	04/29/15 16:28	VSS
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG783365	1	04/20/15 17:32	04/22/15 06:13	JNS
Volatile Organic Compounds (GC/MS) by Method 8260B	WG783759	1	04/26/15 13:44	04/26/15 13:44	JC
Wet Chemistry by Method 353.2	WG786261	20	05/04/15 10:36	05/04/15 10:36	JAL
Wet Chemistry by Method 9012B	WG785558	1	05/01/15 07:38	05/01/15 10:36	CSU
Wet Chemistry by Method 9056MOD	WG784970	1	04/28/15 18:13	04/28/15 18:13	DJD
Wet Chemistry by Method 9056MOD	WG784970	100	04/28/15 16:22	04/28/15 16:22	DJD

MW-68 L760282-04 GW

Collected by: BB/SU/BH | 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	WG784002	1	04/23/15 17:28	04/25/15 10:30	JG
Metals (ICPMS) by Method 6020	WG783162	1	04/27/15 20:39	04/29/15 13:15	LAT
Metals (ICPMS) by Method 6020	WG785154	1	04/28/15 15:35	04/29/15 16:31	VSS
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG783644	1	04/21/15 17:43	04/23/15 17:53	JNS
Volatile Organic Compounds (GC/MS) by Method 8260B	WG783759	1	04/26/15 14:05	04/26/15 14:05	JC
Wet Chemistry by Method 353.2	WG786261	1	05/04/15 09:23	05/04/15 09:23	JAL
Wet Chemistry by Method 9056MOD	WG784970	1	04/28/15 18:27	04/28/15 18:27	DJD
Wet Chemistry by Method 9056MOD	WG784970	100	04/28/15 23:47	04/28/15 23:47	DJD

MW-27 L760282-05 GW

Collected by: BB/SU/BH | 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	WG784002	1	04/23/15 17:28	04/25/15 10:30	JG
Metals (ICPMS) by Method 6020	WG783162	1	04/27/15 20:39	04/29/15 13:18	LAT
Metals (ICPMS) by Method 6020	WG785154	1	04/28/15 15:35	04/29/15 16:33	VSS
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG783644	1	04/21/15 17:43	04/23/15 18:10	JNS
Volatile Organic Compounds (GC/MS) by Method 8260B	WG783759	1	04/26/15 14:25	04/26/15 14:25	JC
Wet Chemistry by Method 353.2	WG786261	1	05/04/15 09:24	05/04/15 09:24	JAL
Wet Chemistry by Method 9056MOD	WG784970	1	04/28/15 21:00	04/28/15 21:00	DJD
Wet Chemistry by Method 9056MOD	WG784970	100	04/28/15 18:41	04/28/15 18:41	DJD

MW-26 L760282-06 GW

Collected by: BB/SU/BH | Collected date/time: 04/16/15 12:55 | 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	WG784002	1	04/23/15 17:28	04/25/15 10:51	JG
Metals (ICPMS) by Method 6020	WG783162	1	04/27/15 20:39	04/29/15 13:21	LAT
Metals (ICPMS) by Method 6020	WG783162	5	04/27/15 20:39	04/29/15 13:53	LAT
Metals (ICPMS) by Method 6020	WG785154	1	04/28/15 15:35	04/29/15 16:35	VSS
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG783644	1	04/21/15 17:43	04/23/15 18:28	JNS
Volatile Organic Compounds (GC/MS) by Method 8260B	WG783759	1	04/26/15 14:45	04/26/15 14:45	JC
Wet Chemistry by Method 353.2	WG786261	1	05/04/15 09:25	05/04/15 09:25	JAL
Wet Chemistry by Method 9056MOD	WG784970	1	04/28/15 21:14	04/28/15 21:14	DJD
Wet Chemistry by Method 9056MOD	WG784970	100	04/28/15 18:55	04/28/15 18:55	DJD

MW-46R L760282-07 GW

Collected by: BB/SU/BH | 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	WG784003	1	04/22/15 19:09	04/23/15 17:40	MF
Metals (ICPMS) by Method 6020	WG783162	1	04/27/15 20:39	04/29/15 13:23	LAT
Metals (ICPMS) by Method 6020	WG785154	1	04/28/15 15:35	04/29/15 16:37	VSS
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG783644	1	04/21/15 17:43	04/23/15 18:46	JNS
Volatile Organic Compounds (GC/MS) by Method 8260B	WG784386	1	04/30/15 16:31	04/30/15 16:31	MCB
Wet Chemistry by Method 353.2	WG786261	1	05/04/15 09:26	05/04/15 09:26	JAL
Wet Chemistry by Method 9056MOD	WG784970	1	04/28/15 21:28	04/28/15 21:28	DJD
Wet Chemistry by Method 9056MOD	WG784970	100	04/28/15 19:09	04/28/15 19:09	DJD

TRIP BLANK-TMD-01 L760282-08 GW

Collected by: BB/SU/BH | 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	WG784386	1	04/30/15 15:29	04/30/15 15:29	MCB

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.

Pamela A. Langford

Pam Langford

Pam Langford
Technical Service Representative

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	4790000		2800	10000	1	04/27/2015 08:46	WG784341

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Nitrate-Nitrite	5080	F	20.0	100	1	05/04/2015 09:17	WG786261

Wet Chemistry by Method 9056MOD

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	429000		5200	100000	100	04/28/2015 15:54	WG784970
Fluoride	1510		9.90	100	1	04/28/2015 17:46	WG784970
Sulfate	3490000		7700	500000	100	04/28/2015 15:54	WG784970

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic	6.21		0.250	2.00	1	04/29/2015 12:27	WG783162
Arsenic,Dissolved	5.86		0.250	2.00	1	04/29/2015 16:03	WG785154
Barium	10.4		0.360	5.00	1	04/29/2015 12:27	WG783162
Barium,Dissolved	9.26		0.360	5.00	1	04/29/2015 16:03	WG785154
Calcium	510000	4	46.0	1000	1	04/29/2015 12:27	WG783162
Chromium	U		0.540	2.00	1	04/29/2015 12:27	WG783162
Chromium,Dissolved	U		0.540	2.00	1	04/29/2015 16:03	WG785154
Iron	74.6	J	15.0	100	1	04/29/2015 12:27	WG783162
Iron,Dissolved	35.9	J	15.0	100	1	04/29/2015 16:03	WG785154
Lead	U		0.240	2.00	1	04/29/2015 12:27	WG783162
Lead,Dissolved	U		0.240	2.00	1	04/29/2015 16:03	WG785154
Manganese	7.43		0.250	5.00	1	04/29/2015 12:27	WG783162
Manganese,Dissolved	1.69	J	0.250	5.00	1	04/29/2015 16:03	WG785154
Potassium	398	J	37.0	1000	1	04/29/2015 12:27	WG783162
Selenium	28.9		0.380	2.00	1	04/29/2015 12:27	WG783162
Selenium,Dissolved	25.4		0.380	2.00	1	04/29/2015 16:03	WG785154
Sodium	232000	4	110	1000	1	04/29/2015 12:27	WG783162

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	04/23/2015 23:21	WG783747
Benzene	U		0.330	1.00	1	04/23/2015 23:21	WG783747
Bromodichloromethane	U		0.380	1.00	1	04/23/2015 23:21	WG783747
Bromoform	U		0.470	1.00	1	04/23/2015 23:21	WG783747
Bromomethane	U		0.870	5.00	1	04/23/2015 23:21	WG783747
n-Butylbenzene	U		0.360	1.00	1	04/23/2015 23:21	WG783747
sec-Butylbenzene	U		0.360	1.00	1	04/23/2015 23:21	WG783747
Carbon disulfide	U		0.280	1.00	1	04/23/2015 23:21	WG783747
Carbon tetrachloride	U		0.380	1.00	1	04/23/2015 23:21	WG783747
Chlorobenzene	U		0.350	1.00	1	04/23/2015 23:21	WG783747
Chlorodibromomethane	U		0.330	1.00	1	04/23/2015 23:21	WG783747
Chloroethane	U		0.450	5.00	1	04/23/2015 23:21	WG783747
Chloroform	U		0.320	5.00	1	04/23/2015 23:21	WG783747
Chloromethane	U		0.280	2.50	1	04/23/2015 23:21	WG783747
1,2-Dibromoethane	U		0.380	1.00	1	04/23/2015 23:21	WG783747
1,1-Dichloroethane	U		0.260	1.00	1	04/23/2015 23:21	WG783747

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,2-Dichloroethane	U		0.360	1.00	1	04/23/2015 23:21	WG783747
1,1-Dichloroethene	U		0.400	1.00	1	04/23/2015 23:21	WG783747
cis-1,2-Dichloroethene	U		0.260	1.00	1	04/23/2015 23:21	WG783747
trans-1,2-Dichloroethene	U		0.400	1.00	1	04/23/2015 23:21	WG783747
1,2-Dichloropropane	U		0.310	1.00	1	04/23/2015 23:21	WG783747
cis-1,3-Dichloropropene	U		0.420	1.00	1	04/23/2015 23:21	WG783747
trans-1,3-Dichloropropene	U		0.420	1.00	1	04/23/2015 23:21	WG783747
Ethylbenzene	U		0.380	1.00	1	04/23/2015 23:21	WG783747
Isopropylbenzene	U	*	0.330	1.00	1	04/23/2015 23:21	WG783747
p-Isopropyltoluene	U	*	0.350	1.00	1	04/23/2015 23:21	WG783747
2-Butanone (MEK)	U		3.90	10.0	1	04/23/2015 23:21	WG783747
2-Hexanone	U		3.80	10.0	1	04/23/2015 23:21	WG783747
Methylene Chloride	U		1.00	5.00	1	04/23/2015 23:21	WG783747
4-Methyl-2-pentanone (MIBK)	U		2.10	10.0	1	04/23/2015 23:21	WG783747
Methyl tert-butyl ether	U		0.370	1.00	1	04/23/2015 23:21	WG783747
Naphthalene	U		1.00	5.00	1	04/23/2015 23:21	WG783747
n-Propylbenzene	U		0.350	1.00	1	04/23/2015 23:21	WG783747
Styrene	U		0.310	1.00	1	04/23/2015 23:21	WG783747
1,1,1,2-Tetrachloroethane	U		0.380	1.00	1	04/23/2015 23:21	WG783747
1,1,2,2-Tetrachloroethane	U		0.130	1.00	1	04/23/2015 23:21	WG783747
Tetrachloroethene	U		0.370	1.00	1	04/23/2015 23:21	WG783747
Toluene	U		0.780	5.00	1	04/23/2015 23:21	WG783747
1,1,1-Trichloroethane	U		0.319	1.00	1	04/23/2015 23:21	WG783747
1,1,2-Trichloroethane	U		0.380	1.00	1	04/23/2015 23:21	WG783747
Trichloroethene	U		0.400	1.00	1	04/23/2015 23:21	WG783747
1,2,4-Trimethylbenzene	U		0.370	1.00	1	04/23/2015 23:21	WG783747
1,3,5-Trimethylbenzene	U		0.390	1.00	1	04/23/2015 23:21	WG783747
Vinyl chloride	U		0.260	1.00	1	04/23/2015 23:21	WG783747
o-Xylene	U		0.340	1.00	1	04/23/2015 23:21	WG783747
m&p-Xylene	U		0.720	1.00	1	04/23/2015 23:21	WG783747
Xylenes, Total	U		1.10	3.00	1	04/23/2015 23:21	WG783747
(S) Toluene-d8	*105*			*88.5-111*		*04/23/2015 23:21*	WG783747
(S) Dibromofluoromethane	*103*			*78.3-121*		*04/23/2015 23:21*	WG783747
(S) 4-Bromofluorobenzene	*100*			*71.0-126*		*04/23/2015 23:21*	WG783747

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	150		25.0	100	1	04/22/2015 05:37	WG783365
(S) o-Terphenyl	*109*			*50.0-150*		*04/22/2015 05:37*	WG783365

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	4210000		2800	10000	1	04/27/2015 08:43	WG784341

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Nitrate-Nitrite	1100		20.0	100	1	05/04/2015 09:20	WG786261

Wet Chemistry by Method 9056MOD

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	321000		5200	100000	100	04/28/2015 16:08	WG784970
Fluoride	1510		9.90	100	1	04/28/2015 18:00	WG784970
Sulfate	2940000		7700	500000	100	04/28/2015 16:08	WG784970

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic	10.8		0.250	2.00	1	04/29/2015 13:10	WG783162
Arsenic,Dissolved	6.79		0.250	2.00	1	04/29/2015 16:05	WG785154
Barium	10.7		0.360	5.00	1	04/29/2015 13:10	WG783162
Barium,Dissolved	10.0		0.360	5.00	1	04/29/2015 16:05	WG785154
Calcium	390000		46.0	1000	1	04/29/2015 13:10	WG783162
Chromium	234		0.540	2.00	1	04/29/2015 13:10	WG783162
Chromium,Dissolved	0.644	J	0.540	2.00	1	04/29/2015 16:05	WG785154
Iron	779		15.0	100	1	04/29/2015 13:10	WG783162
Iron,Dissolved	U		15.0	100	1	04/29/2015 16:05	WG785154
Lead	0.470	J	0.240	2.00	1	04/29/2015 13:10	WG783162
Lead,Dissolved	U		0.240	2.00	1	04/29/2015 16:05	WG785154
Manganese	507		0.250	5.00	1	04/29/2015 13:10	WG783162
Manganese,Dissolved	464		0.250	5.00	1	04/29/2015 16:05	WG785154
Potassium	1590		37.0	1000	1	04/29/2015 13:10	WG783162
Selenium	18.8		0.380	2.00	1	04/29/2015 13:10	WG783162
Selenium,Dissolved	17.4		0.380	2.00	1	04/29/2015 16:05	WG785154
Sodium	328000		110	1000	1	04/29/2015 13:10	WG783162

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 23:09	WG783232
(S) α,α,α-Trifluorotoluene(FID)	*92.3*			*62.0-128*		*04/21/2015 23:09*	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 03:27	WG783751
Benzene	U		0.330	1.00	1	04/24/2015 03:27	WG783751
Bromodichloromethane	U		0.380	1.00	1	04/24/2015 03:27	WG783751
Bromoform	U		0.470	1.00	1	04/24/2015 03:27	WG783751
Bromomethane	U		0.870	5.00	1	04/24/2015 03:27	WG783751
n-Butylbenzene	U		0.360	1.00	1	04/24/2015 03:27	WG783751
sec-Butylbenzene	U		0.360	1.00	1	04/24/2015 03:27	WG783751
Carbon disulfide	U		0.280	1.00	1	04/24/2015 03:27	WG783751
Carbon tetrachloride	U		0.380	1.00	1	04/24/2015 03:27	WG783751
Chlorobenzene	U		0.350	1.00	1	04/24/2015 03:27	WG783751

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chlorodibromomethane	U		0.330	1.00	1	04/24/2015 03:27	WG783751
Chloroethane	U		0.450	5.00	1	04/24/2015 03:27	WG783751
Chloroform	U		0.320	5.00	1	04/24/2015 03:27	WG783751
Chloromethane	U		0.280	2.50	1	04/24/2015 03:27	WG783751
1,2-Dibromoethane	U		0.380	1.00	1	04/24/2015 03:27	WG783751
1,1-Dichloroethane	U		0.260	1.00	1	04/24/2015 03:27	WG783751
1,2-Dichloroethane	U		0.360	1.00	1	04/24/2015 03:27	WG783751
1,1-Dichloroethene	U		0.400	1.00	1	04/24/2015 03:27	WG783751
cis-1,2-Dichloroethene	U		0.260	1.00	1	04/24/2015 03:27	WG783751
trans-1,2-Dichloroethene	U		0.400	1.00	1	04/24/2015 03:27	WG783751
1,2-Dichloropropane	U		0.310	1.00	1	04/24/2015 03:27	WG783751
cis-1,3-Dichloropropene	U		0.420	1.00	1	04/24/2015 03:27	WG783751
trans-1,3-Dichloropropene	U		0.420	1.00	1	04/24/2015 03:27	WG783751
Ethylbenzene	U		0.380	1.00	1	04/24/2015 03:27	WG783751
Isopropylbenzene	U		0.330	1.00	1	04/24/2015 03:27	WG783751
p-Isopropyltoluene	U		0.350	1.00	1	04/24/2015 03:27	WG783751
2-Butanone (MEK)	U		3.90	10.0	1	04/24/2015 03:27	WG783751
2-Hexanone	U		3.80	10.0	1	04/24/2015 03:27	WG783751
Methylene Chloride	U		1.00	5.00	1	04/24/2015 03:27	WG783751
4-Methyl-2-pentanone (MIBK)	U		2.10	10.0	1	04/24/2015 03:27	WG783751
Methyl tert-butyl ether	U		0.370	1.00	1	04/24/2015 03:27	WG783751
Naphthalene	U		1.00	5.00	1	04/24/2015 03:27	WG783751
n-Propylbenzene	U		0.350	1.00	1	04/24/2015 03:27	WG783751
Styrene	U		0.310	1.00	1	04/24/2015 03:27	WG783751
1,1,1,2-Tetrachloroethane	U		0.380	1.00	1	04/24/2015 03:27	WG783751
1,1,2,2-Tetrachloroethane	U		0.130	1.00	1	04/24/2015 03:27	WG783751
Tetrachloroethene	U		0.370	1.00	1	04/24/2015 03:27	WG783751
Toluene	U		0.780	5.00	1	04/24/2015 03:27	WG783751
1,1,1-Trichloroethane	U		0.319	1.00	1	04/24/2015 03:27	WG783751
1,1,2-Trichloroethane	U		0.380	1.00	1	04/24/2015 03:27	WG783751
Trichloroethene	U		0.400	1.00	1	04/24/2015 03:27	WG783751
1,2,4-Trimethylbenzene	U		0.370	1.00	1	04/24/2015 03:27	WG783751
1,3,5-Trimethylbenzene	U		0.390	1.00	1	04/24/2015 03:27	WG783751
Vinyl chloride	U		0.260	1.00	1	04/24/2015 03:27	WG783751
o-Xylene	U		0.340	1.00	1	04/24/2015 03:27	WG783751
m&p-Xylene	U		0.720	1.00	1	04/24/2015 03:27	WG783751
Xylenes, Total	U		1.10	3.00	1	04/24/2015 03:27	WG783751
(S) Toluene-d8	*101*			*88.5-111*		*04/24/2015 03:27*	WG783751
(S) Dibromofluoromethane	*93.1*			*78.3-121*		*04/24/2015 03:27*	WG783751
(S) 4-Bromofluorobenzene	*103*			*71.0-126*		*04/24/2015 03:27*	WG783751

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	380		25.0	100	1	04/22/2015 05:55	WG783365
(S) o-Terphenyl	*107*			*50.0-150*		*04/22/2015 05:55*	WG783365

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	6110000		2800	10000	1	04/25/2015 10:30	WG784002

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Nitrate-Nitrite	50600		390	2000	20	05/04/2015 10:36	WG786261

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 10:36	WG785558

Wet Chemistry by Method 9056MOD

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	906000		5200	100000	100	04/28/2015 16:22	WG784970
Fluoride	1090		9.90	100	1	04/28/2015 18:13	WG784970
Sulfate	3150000		7700	500000	100	04/28/2015 16:22	WG784970

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 11:07	WG783355

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic	4.11		0.250	2.00	1	04/29/2015 13:13	WG783162
Arsenic,Dissolved	3.87		0.250	2.00	1	04/29/2015 16:28	WG785154
Barium	8.97		0.360	5.00	1	04/29/2015 13:13	WG783162
Barium,Dissolved	8.17		0.360	5.00	1	04/29/2015 16:28	WG785154
Calcium	642000		46.0	1000	1	04/29/2015 13:13	WG783162
Chromium	0.581	J	0.540	2.00	1	04/29/2015 13:13	WG783162
Chromium,Dissolved	U		0.540	2.00	1	04/29/2015 16:28	WG785154
Iron	37.3	J	15.0	100	1	04/29/2015 13:13	WG783162
Iron,Dissolved	U		15.0	100	1	04/29/2015 16:28	WG785154
Lead	U		0.240	2.00	1	04/29/2015 13:13	WG783162
Lead,Dissolved	U		0.240	2.00	1	04/29/2015 16:28	WG785154
Manganese	0.898	J	0.250	5.00	1	04/29/2015 13:13	WG783162
Manganese,Dissolved	0.487	J	0.250	5.00	1	04/29/2015 16:28	WG785154
Nickel	1.34	J	0.350	2.00	1	04/29/2015 13:13	WG783162
Nickel,Dissolved	1.16	J	0.350	2.00	1	04/29/2015 16:28	WG785154
Potassium	3590		37.0	1000	1	04/29/2015 13:13	WG783162
Selenium	34.9		0.380	2.00	1	04/29/2015 13:13	WG783162
Selenium,Dissolved	33.6		0.380	2.00	1	04/29/2015 16:28	WG785154
Sodium	447000		110	1000	1	04/29/2015 13:13	WG783162
Vanadium	22.9		0.180	5.00	1	04/29/2015 13:13	WG783162
Vanadium,Dissolved	21.5		0.180	5.00	1	04/29/2015 16:28	WG785154

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	04/26/2015 13:44	WG783759
Benzene	U		0.330	1.00	1	04/26/2015 13:44	WG783759
Bromodichloromethane	U		0.380	1.00	1	04/26/2015 13:44	WG783759
Bromoform	U		0.470	1.00	1	04/26/2015 13:44	WG783759
Bromomethane	U		0.870	5.00	1	04/26/2015 13:44	WG783759
n-Butylbenzene	U		0.360	1.00	1	04/26/2015 13:44	WG783759
sec-Butylbenzene	U		0.360	1.00	1	04/26/2015 13:44	WG783759
Carbon disulfide	U		0.280	1.00	1	04/26/2015 13:44	WG783759
Carbon tetrachloride	U		0.380	1.00	1	04/26/2015 13:44	WG783759
Chlorobenzene	U		0.350	1.00	1	04/26/2015 13:44	WG783759
Chlorodibromomethane	U		0.330	1.00	1	04/26/2015 13:44	WG783759
Chloroethane	U		0.450	5.00	1	04/26/2015 13:44	WG783759
Chloroform	U		0.320	5.00	1	04/26/2015 13:44	WG783759
Chloromethane	U		0.280	2.50	1	04/26/2015 13:44	WG783759
1,2-Dibromoethane	U		0.380	1.00	1	04/26/2015 13:44	WG783759
1,1-Dichloroethane	U		0.260	1.00	1	04/26/2015 13:44	WG783759
1,2-Dichloroethane	U		0.360	1.00	1	04/26/2015 13:44	WG783759
1,1-Dichloroethene	U		0.400	1.00	1	04/26/2015 13:44	WG783759
cis-1,2-Dichloroethene	U		0.260	1.00	1	04/26/2015 13:44	WG783759
trans-1,2-Dichloroethene	U		0.400	1.00	1	04/26/2015 13:44	WG783759
1,2-Dichloropropane	U		0.310	1.00	1	04/26/2015 13:44	WG783759
cis-1,3-Dichloropropene	U		0.420	1.00	1	04/26/2015 13:44	WG783759
trans-1,3-Dichloropropene	U		0.420	1.00	1	04/26/2015 13:44	WG783759
Ethylbenzene	U		0.380	1.00	1	04/26/2015 13:44	WG783759
Isopropylbenzene	U		0.330	1.00	1	04/26/2015 13:44	WG783759
p-Isopropyltoluene	U		0.350	1.00	1	04/26/2015 13:44	WG783759
2-Butanone (MEK)	U		3.90	10.0	1	04/26/2015 13:44	WG783759
2-Hexanone	U		3.80	10.0	1	04/26/2015 13:44	WG783759
Methylene Chloride	U		1.00	5.00	1	04/26/2015 13:44	WG783759
4-Methyl-2-pentanone (MIBK)	U		2.10	10.0	1	04/26/2015 13:44	WG783759
Methyl tert-butyl ether	U		0.370	1.00	1	04/26/2015 13:44	WG783759
Naphthalene	U		1.00	5.00	1	04/26/2015 13:44	WG783759
n-Propylbenzene	U		0.350	1.00	1	04/26/2015 13:44	WG783759
Styrene	U		0.310	1.00	1	04/26/2015 13:44	WG783759
1,1,1,2-Tetrachloroethane	U		0.380	1.00	1	04/26/2015 13:44	WG783759
1,1,2,2-Tetrachloroethane	U		0.130	1.00	1	04/26/2015 13:44	WG783759
Tetrachloroethene	U		0.370	1.00	1	04/26/2015 13:44	WG783759
Toluene	U		0.780	5.00	1	04/26/2015 13:44	WG783759
1,1,1-Trichloroethane	U		0.319	1.00	1	04/26/2015 13:44	WG783759
1,1,2-Trichloroethane	U		0.380	1.00	1	04/26/2015 13:44	WG783759
Trichloroethene	U		0.400	1.00	1	04/26/2015 13:44	WG783759
1,2,4-Trimethylbenzene	U		0.370	1.00	1	04/26/2015 13:44	WG783759
1,3,5-Trimethylbenzene	U		0.390	1.00	1	04/26/2015 13:44	WG783759
Vinyl chloride	U		0.260	1.00	1	04/26/2015 13:44	WG783759
o-Xylene	U		0.340	1.00	1	04/26/2015 13:44	WG783759
m&p-Xylene	U		0.720	1.00	1	04/26/2015 13:44	WG783759
Xylenes, Total	U		1.10	3.00	1	04/26/2015 13:44	WG783759
(S) Toluene-d8	*105*			*88.5-111*		*04/26/2015 13:44*	WG783759
(S) Dibromofluoromethane	*108*			*78.3-121*		*04/26/2015 13:44*	WG783759
(S) 4-Bromofluorobenzene	*110*			*71.0-126*		*04/26/2015 13:44*	WG783759

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	93.0	J	25.0	100	1	04/22/2015 06:13	WG783365
(S) o-Terphenyl	*107*			*50.0-150*		*04/22/2015 06:13*	WG783365

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	4460000		2800	10000	1	04/25/2015 10:30	WG784002

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Nitrate-Nitrite	4520		20.0	100	1	05/04/2015 09:23	WG786261

Wet Chemistry by Method 9056MOD

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	397000		5200	100000	100	04/28/2015 23:47	WG784970
Fluoride	1150		9.90	100	1	04/28/2015 18:27	WG784970
Sulfate	2610000		7700	500000	100	04/28/2015 23:47	WG784970

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic	2.92		0.250	2.00	1	04/29/2015 13:15	WG783162
Arsenic,Dissolved	2.72		0.250	2.00	1	04/29/2015 16:31	WG785154
Barium	15.9		0.360	5.00	1	04/29/2015 13:15	WG783162
Barium,Dissolved	15.4		0.360	5.00	1	04/29/2015 16:31	WG785154
Calcium	552000		46.0	1000	1	04/29/2015 13:15	WG783162
Chromium	U		0.540	2.00	1	04/29/2015 13:15	WG783162
Chromium,Dissolved	U		0.540	2.00	1	04/29/2015 16:31	WG785154
Iron	59.4	J	15.0	100	1	04/29/2015 13:15	WG783162
Iron,Dissolved	90.4	J	15.0	100	1	04/29/2015 16:31	WG785154
Lead	0.524	J	0.240	2.00	1	04/29/2015 13:15	WG783162
Lead,Dissolved	U		0.240	2.00	1	04/29/2015 16:31	WG785154
Manganese	1.31	J	0.250	5.00	1	04/29/2015 13:15	WG783162
Manganese,Dissolved	1.26	J	0.250	5.00	1	04/29/2015 16:31	WG785154
Potassium	4650		37.0	1000	1	04/29/2015 13:15	WG783162
Selenium	12.3		0.380	2.00	1	04/29/2015 13:15	WG783162
Selenium,Dissolved	11.5		0.380	2.00	1	04/29/2015 16:31	WG785154
Sodium	242000		110	1000	1	04/29/2015 13:15	WG783162

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	04/26/2015 14:05	WG783759
Benzene	U		0.330	1.00	1	04/26/2015 14:05	WG783759
Bromodichloromethane	U		0.380	1.00	1	04/26/2015 14:05	WG783759
Bromoform	U		0.470	1.00	1	04/26/2015 14:05	WG783759
Bromomethane	U		0.870	5.00	1	04/26/2015 14:05	WG783759
n-Butylbenzene	U		0.360	1.00	1	04/26/2015 14:05	WG783759
sec-Butylbenzene	U		0.360	1.00	1	04/26/2015 14:05	WG783759
Carbon disulfide	U		0.280	1.00	1	04/26/2015 14:05	WG783759
Carbon tetrachloride	U		0.380	1.00	1	04/26/2015 14:05	WG783759
Chlorobenzene	U		0.350	1.00	1	04/26/2015 14:05	WG783759
Chlorodibromomethane	U		0.330	1.00	1	04/26/2015 14:05	WG783759
Chloroethane	U		0.450	5.00	1	04/26/2015 14:05	WG783759
Chloroform	U		0.320	5.00	1	04/26/2015 14:05	WG783759
Chloromethane	U		0.280	2.50	1	04/26/2015 14:05	WG783759
1,2-Dibromoethane	U		0.380	1.00	1	04/26/2015 14:05	WG783759
1,1-Dichloroethane	U		0.260	1.00	1	04/26/2015 14:05	WG783759

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,2-Dichloroethane	U		0.360	1.00	1	04/26/2015 14:05	WG783759
1,1-Dichloroethene	U		0.400	1.00	1	04/26/2015 14:05	WG783759
cis-1,2-Dichloroethene	U		0.260	1.00	1	04/26/2015 14:05	WG783759
trans-1,2-Dichloroethene	U		0.400	1.00	1	04/26/2015 14:05	WG783759
1,2-Dichloropropane	U		0.310	1.00	1	04/26/2015 14:05	WG783759
cis-1,3-Dichloropropene	U		0.420	1.00	1	04/26/2015 14:05	WG783759
trans-1,3-Dichloropropene	U		0.420	1.00	1	04/26/2015 14:05	WG783759
Ethylbenzene	U		0.380	1.00	1	04/26/2015 14:05	WG783759
Isopropylbenzene	U		0.330	1.00	1	04/26/2015 14:05	WG783759
p-Isopropyltoluene	U		0.350	1.00	1	04/26/2015 14:05	WG783759
2-Butanone (MEK)	U		3.90	10.0	1	04/26/2015 14:05	WG783759
2-Hexanone	U		3.80	10.0	1	04/26/2015 14:05	WG783759
Methylene Chloride	U		1.00	5.00	1	04/26/2015 14:05	WG783759
4-Methyl-2-pentanone (MIBK)	U		2.10	10.0	1	04/26/2015 14:05	WG783759
Methyl tert-butyl ether	U		0.370	1.00	1	04/26/2015 14:05	WG783759
Naphthalene	U		1.00	5.00	1	04/26/2015 14:05	WG783759
n-Propylbenzene	U		0.350	1.00	1	04/26/2015 14:05	WG783759
Styrene	U		0.310	1.00	1	04/26/2015 14:05	WG783759
1,1,1,2-Tetrachloroethane	U		0.380	1.00	1	04/26/2015 14:05	WG783759
1,1,2,2-Tetrachloroethane	U		0.130	1.00	1	04/26/2015 14:05	WG783759
Tetrachloroethene	U		0.370	1.00	1	04/26/2015 14:05	WG783759
Toluene	U		0.780	5.00	1	04/26/2015 14:05	WG783759
1,1,1-Trichloroethane	U		0.319	1.00	1	04/26/2015 14:05	WG783759
1,1,2-Trichloroethane	U		0.380	1.00	1	04/26/2015 14:05	WG783759
Trichloroethene	U		0.400	1.00	1	04/26/2015 14:05	WG783759
1,2,4-Trimethylbenzene	U		0.370	1.00	1	04/26/2015 14:05	WG783759
1,3,5-Trimethylbenzene	U		0.390	1.00	1	04/26/2015 14:05	WG783759
Vinyl chloride	U		0.260	1.00	1	04/26/2015 14:05	WG783759
o-Xylene	U		0.340	1.00	1	04/26/2015 14:05	WG783759
m&p-Xylene	U		0.720	1.00	1	04/26/2015 14:05	WG783759
Xylenes, Total	U		1.10	3.00	1	04/26/2015 14:05	WG783759
(S) Toluene-d8	*105*			*88.5-111*		*04/26/2015 14:05*	WG783759
(S) Dibromofluoromethane	*112*			*78.3-121*		*04/26/2015 14:05*	WG783759
(S) 4-Bromofluorobenzene	*106*			*71.0-126*		*04/26/2015 14:05*	WG783759

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	130	B	25.0	100	1	04/23/2015 17:53	WG783644
(S) o-Terphenyl	*104*			*50.0-150*		*04/23/2015 17:53*	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	3640000		2800	10000	1	04/25/2015 10:30	WG784002

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Nitrate-Nitrite	703		20.0	100	1	05/04/2015 09:24	WG786261

Wet Chemistry by Method 9056MOD

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	246000		5200	100000	100	04/28/2015 18:41	WG784970
Fluoride	928		9.90	100	1	04/28/2015 21:00	WG784970
Sulfate	2320000		7700	500000	100	04/28/2015 18:41	WG784970

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic	2.39		0.250	2.00	1	04/29/2015 13:18	WG783162
Arsenic,Dissolved	2.59		0.250	2.00	1	04/29/2015 16:33	WG785154
Barium	23.5		0.360	5.00	1	04/29/2015 13:18	WG783162
Barium,Dissolved	21.8		0.360	5.00	1	04/29/2015 16:33	WG785154
Calcium	607000		46.0	1000	1	04/29/2015 13:18	WG783162
Chromium	U		0.540	2.00	1	04/29/2015 13:18	WG783162
Chromium,Dissolved	U		0.540	2.00	1	04/29/2015 16:33	WG785154
Iron	U		15.0	100	1	04/29/2015 13:18	WG783162
Iron,Dissolved	U		15.0	100	1	04/29/2015 16:33	WG785154
Lead	U		0.240	2.00	1	04/29/2015 13:18	WG783162
Lead,Dissolved	U		0.240	2.00	1	04/29/2015 16:33	WG785154
Manganese	31.8		0.250	5.00	1	04/29/2015 13:18	WG783162
Manganese,Dissolved	29.0		0.250	5.00	1	04/29/2015 16:33	WG785154
Potassium	11200		37.0	1000	1	04/29/2015 13:18	WG783162
Selenium	18.0		0.380	2.00	1	04/29/2015 13:18	WG783162
Selenium,Dissolved	17.3		0.380	2.00	1	04/29/2015 16:33	WG785154
Sodium	128000		110	1000	1	04/29/2015 13:18	WG783162

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	04/26/2015 14:25	WG783759
Benzene	U		0.330	1.00	1	04/26/2015 14:25	WG783759
Bromodichloromethane	U		0.380	1.00	1	04/26/2015 14:25	WG783759
Bromoform	U		0.470	1.00	1	04/26/2015 14:25	WG783759
Bromomethane	U		0.870	5.00	1	04/26/2015 14:25	WG783759
n-Butylbenzene	U		0.360	1.00	1	04/26/2015 14:25	WG783759
sec-Butylbenzene	U		0.360	1.00	1	04/26/2015 14:25	WG783759
Carbon disulfide	U		0.280	1.00	1	04/26/2015 14:25	WG783759
Carbon tetrachloride	U		0.380	1.00	1	04/26/2015 14:25	WG783759
Chlorobenzene	U		0.350	1.00	1	04/26/2015 14:25	WG783759
Chlorodibromomethane	U		0.330	1.00	1	04/26/2015 14:25	WG783759
Chloroethane	U		0.450	5.00	1	04/26/2015 14:25	WG783759
Chloroform	U		0.320	5.00	1	04/26/2015 14:25	WG783759
Chloromethane	U		0.280	2.50	1	04/26/2015 14:25	WG783759
1,2-Dibromoethane	U		0.380	1.00	1	04/26/2015 14:25	WG783759
1,1-Dichloroethane	U		0.260	1.00	1	04/26/2015 14:25	WG783759

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,2-Dichloroethane	U		0.360	1.00	1	04/26/2015 14:25	WG783759
1,1-Dichloroethene	U		0.400	1.00	1	04/26/2015 14:25	WG783759
cis-1,2-Dichloroethene	U		0.260	1.00	1	04/26/2015 14:25	WG783759
trans-1,2-Dichloroethene	U		0.400	1.00	1	04/26/2015 14:25	WG783759
1,2-Dichloropropane	U		0.310	1.00	1	04/26/2015 14:25	WG783759
cis-1,3-Dichloropropene	U		0.420	1.00	1	04/26/2015 14:25	WG783759
trans-1,3-Dichloropropene	U		0.420	1.00	1	04/26/2015 14:25	WG783759
Ethylbenzene	U		0.380	1.00	1	04/26/2015 14:25	WG783759
Isopropylbenzene	U		0.330	1.00	1	04/26/2015 14:25	WG783759
p-Isopropyltoluene	U		0.350	1.00	1	04/26/2015 14:25	WG783759
2-Butanone (MEK)	U		3.90	10.0	1	04/26/2015 14:25	WG783759
2-Hexanone	U		3.80	10.0	1	04/26/2015 14:25	WG783759
Methylene Chloride	U		1.00	5.00	1	04/26/2015 14:25	WG783759
4-Methyl-2-pentanone (MIBK)	U		2.10	10.0	1	04/26/2015 14:25	WG783759
Methyl tert-butyl ether	U		0.370	1.00	1	04/26/2015 14:25	WG783759
Naphthalene	U		1.00	5.00	1	04/26/2015 14:25	WG783759
n-Propylbenzene	U		0.350	1.00	1	04/26/2015 14:25	WG783759
Styrene	U		0.310	1.00	1	04/26/2015 14:25	WG783759
1,1,1,2-Tetrachloroethane	U		0.380	1.00	1	04/26/2015 14:25	WG783759
1,1,2,2-Tetrachloroethane	U		0.130	1.00	1	04/26/2015 14:25	WG783759
Tetrachloroethene	U		0.370	1.00	1	04/26/2015 14:25	WG783759
Toluene	U		0.780	5.00	1	04/26/2015 14:25	WG783759
1,1,1-Trichloroethane	U		0.319	1.00	1	04/26/2015 14:25	WG783759
1,1,2-Trichloroethane	U		0.380	1.00	1	04/26/2015 14:25	WG783759
Trichloroethene	U		0.400	1.00	1	04/26/2015 14:25	WG783759
1,2,4-Trimethylbenzene	U		0.370	1.00	1	04/26/2015 14:25	WG783759
1,3,5-Trimethylbenzene	U		0.390	1.00	1	04/26/2015 14:25	WG783759
Vinyl chloride	U		0.260	1.00	1	04/26/2015 14:25	WG783759
o-Xylene	U		0.340	1.00	1	04/26/2015 14:25	WG783759
m&p-Xylene	U		0.720	1.00	1	04/26/2015 14:25	WG783759
Xylenes, Total	U		1.10	3.00	1	04/26/2015 14:25	WG783759
(S) Toluene-d8	*104*			*88.5-111*		*04/26/2015 14:25*	WG783759
(S) Dibromofluoromethane	*107*			*78.3-121*		*04/26/2015 14:25*	WG783759
(S) 4-Bromofluorobenzene	*108*			*71.0-126*		*04/26/2015 14:25*	WG783759

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	110	B	25.0	100	1	04/23/2015 18:10	WG783644
(S) o-Terphenyl	*104*			*50.0-150*		*04/23/2015 18:10*	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	8660000		2800	10000	1	04/25/2015 10:51	WG784002

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Nitrate-Nitrite	268		20.0	100	1	05/04/2015 09:25	WG786261

Wet Chemistry by Method 9056MOD

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	1130000		5200	100000	100	04/28/2015 18:55	WG784970
Fluoride	1150		9.90	100	1	04/28/2015 21:14	WG784970
Sulfate	5950000		7700	500000	100	04/28/2015 18:55	WG784970

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic	3.51		0.250	2.00	1	04/29/2015 13:21	WG783162
Arsenic,Dissolved	3.38		0.250	2.00	1	04/29/2015 16:35	WG785154
Barium	9.44		0.360	5.00	1	04/29/2015 13:21	WG783162
Barium,Dissolved	8.42		0.360	5.00	1	04/29/2015 16:35	WG785154
Calcium	698000		46.0	1000	1	04/29/2015 13:21	WG783162
Chromium	U		0.540	2.00	1	04/29/2015 13:21	WG783162
Chromium,Dissolved	U		0.540	2.00	1	04/29/2015 16:35	WG785154
Iron	81.1	J	15.0	100	1	04/29/2015 13:21	WG783162
Iron,Dissolved	U		15.0	100	1	04/29/2015 16:35	WG785154
Lead	U		0.240	2.00	1	04/29/2015 13:21	WG783162
Lead,Dissolved	U		0.240	2.00	1	04/29/2015 16:35	WG785154
Manganese	613		0.250	5.00	1	04/29/2015 13:21	WG783162
Manganese,Dissolved	470		0.250	5.00	1	04/29/2015 16:35	WG785154
Potassium	5420		37.0	1000	1	04/29/2015 13:21	WG783162
Selenium	19.7		0.380	2.00	1	04/29/2015 13:21	WG783162
Selenium,Dissolved	18.4		0.380	2.00	1	04/29/2015 16:35	WG785154
Sodium	704000		550	5000	5	04/29/2015 13:53	WG783162

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	04/26/2015 14:45	WG783759
Benzene	U		0.330	1.00	1	04/26/2015 14:45	WG783759
Bromodichloromethane	U		0.380	1.00	1	04/26/2015 14:45	WG783759
Bromoform	U		0.470	1.00	1	04/26/2015 14:45	WG783759
Bromomethane	U		0.870	5.00	1	04/26/2015 14:45	WG783759
n-Butylbenzene	U		0.360	1.00	1	04/26/2015 14:45	WG783759
sec-Butylbenzene	U		0.360	1.00	1	04/26/2015 14:45	WG783759
Carbon disulfide	U		0.280	1.00	1	04/26/2015 14:45	WG783759
Carbon tetrachloride	U		0.380	1.00	1	04/26/2015 14:45	WG783759
Chlorobenzene	U		0.350	1.00	1	04/26/2015 14:45	WG783759
Chlorodibromomethane	U		0.330	1.00	1	04/26/2015 14:45	WG783759
Chloroethane	U		0.450	5.00	1	04/26/2015 14:45	WG783759
Chloroform	U		0.320	5.00	1	04/26/2015 14:45	WG783759
Chloromethane	U		0.280	2.50	1	04/26/2015 14:45	WG783759
1,2-Dibromoethane	U		0.380	1.00	1	04/26/2015 14:45	WG783759
1,1-Dichloroethane	U		0.260	1.00	1	04/26/2015 14:45	WG783759

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,2-Dichloroethane	U		0.360	1.00	1	04/26/2015 14:45	WG783759
1,1-Dichloroethene	U		0.400	1.00	1	04/26/2015 14:45	WG783759
cis-1,2-Dichloroethene	U		0.260	1.00	1	04/26/2015 14:45	WG783759
trans-1,2-Dichloroethene	U		0.400	1.00	1	04/26/2015 14:45	WG783759
1,2-Dichloropropane	U		0.310	1.00	1	04/26/2015 14:45	WG783759
cis-1,3-Dichloropropene	U		0.420	1.00	1	04/26/2015 14:45	WG783759
trans-1,3-Dichloropropene	U		0.420	1.00	1	04/26/2015 14:45	WG783759
Ethylbenzene	U		0.380	1.00	1	04/26/2015 14:45	WG783759
Isopropylbenzene	U		0.330	1.00	1	04/26/2015 14:45	WG783759
p-Isopropyltoluene	U		0.350	1.00	1	04/26/2015 14:45	WG783759
2-Butanone (MEK)	U		3.90	10.0	1	04/26/2015 14:45	WG783759
2-Hexanone	U		3.80	10.0	1	04/26/2015 14:45	WG783759
Methylene Chloride	U		1.00	5.00	1	04/26/2015 14:45	WG783759
4-Methyl-2-pentanone (MIBK)	U		2.10	10.0	1	04/26/2015 14:45	WG783759
Methyl tert-butyl ether	U		0.370	1.00	1	04/26/2015 14:45	WG783759
Naphthalene	U		1.00	5.00	1	04/26/2015 14:45	WG783759
n-Propylbenzene	U		0.350	1.00	1	04/26/2015 14:45	WG783759
Styrene	U		0.310	1.00	1	04/26/2015 14:45	WG783759
1,1,1,2-Tetrachloroethane	U		0.380	1.00	1	04/26/2015 14:45	WG783759
1,1,2,2-Tetrachloroethane	U		0.130	1.00	1	04/26/2015 14:45	WG783759
Tetrachloroethene	U		0.370	1.00	1	04/26/2015 14:45	WG783759
Toluene	U		0.780	5.00	1	04/26/2015 14:45	WG783759
1,1,1-Trichloroethane	U		0.319	1.00	1	04/26/2015 14:45	WG783759
1,1,2-Trichloroethane	U		0.380	1.00	1	04/26/2015 14:45	WG783759
Trichloroethene	U		0.400	1.00	1	04/26/2015 14:45	WG783759
1,2,4-Trimethylbenzene	U		0.370	1.00	1	04/26/2015 14:45	WG783759
1,3,5-Trimethylbenzene	U		0.390	1.00	1	04/26/2015 14:45	WG783759
Vinyl chloride	U		0.260	1.00	1	04/26/2015 14:45	WG783759
o-Xylene	U		0.340	1.00	1	04/26/2015 14:45	WG783759
m&p-Xylene	U		0.720	1.00	1	04/26/2015 14:45	WG783759
Xylenes, Total	U		1.10	3.00	1	04/26/2015 14:45	WG783759
(S) Toluene-d8	*105*			*88.5-111*		*04/26/2015 14:45*	WG783759
(S) Dibromofluoromethane	*111*			*78.3-121*		*04/26/2015 14:45*	WG783759
(S) 4-Bromofluorobenzene	*106*			*71.0-126*		*04/26/2015 14:45*	WG783759

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	53.0	J	25.0	100	1	04/23/2015 18:28	WG783644
(S) o-Terphenyl	*102*			*50.0-150*		*04/23/2015 18:28*	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	3980000		2800	10000	1	04/23/2015 17:40	WG784003

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Nitrate-Nitrite	169		20.0	100	1	05/04/2015 09:26	WG786261

Wet Chemistry by Method 9056MOD

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	288000		5200	100000	100	04/28/2015 19:09	WG784970
Fluoride	1240		9.90	100	1	04/28/2015 21:28	WG784970
Sulfate	2590000		7700	500000	100	04/28/2015 19:09	WG784970

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic	3.07		0.250	2.00	1	04/29/2015 13:23	WG783162
Arsenic,Dissolved	2.93		0.250	2.00	1	04/29/2015 16:37	WG785154
Barium	18.8		0.360	5.00	1	04/29/2015 13:23	WG783162
Barium,Dissolved	12.7		0.360	5.00	1	04/29/2015 16:37	WG785154
Calcium	599000		46.0	1000	1	04/29/2015 13:23	WG783162
Chromium	1.06	J	0.540	2.00	1	04/29/2015 13:23	WG783162
Chromium,Dissolved	U		0.540	2.00	1	04/29/2015 16:37	WG785154
Iron	297		15.0	100	1	04/29/2015 13:23	WG783162
Iron,Dissolved	87.3	J	15.0	100	1	04/29/2015 16:37	WG785154
Lead	0.608	J	0.240	2.00	1	04/29/2015 13:23	WG783162
Lead,Dissolved	U		0.240	2.00	1	04/29/2015 16:37	WG785154
Manganese	116		0.250	5.00	1	04/29/2015 13:23	WG783162
Manganese,Dissolved	102		0.250	5.00	1	04/29/2015 16:37	WG785154
Potassium	1820		37.0	1000	1	04/29/2015 13:23	WG783162
Selenium	1.16	J	0.380	2.00	1	04/29/2015 13:23	WG783162
Selenium,Dissolved	1.02	J	0.380	2.00	1	04/29/2015 16:37	WG785154
Sodium	152000		110	1000	1	04/29/2015 13:23	WG783162

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 16:31	WG784386
Benzene	U		0.330	1.00	1	04/30/2015 16:31	WG784386
Bromodichloromethane	U		0.380	1.00	1	04/30/2015 16:31	WG784386
Bromoform	U		0.470	1.00	1	04/30/2015 16:31	WG784386
Bromomethane	U		0.870	5.00	1	04/30/2015 16:31	WG784386
n-Butylbenzene	U		0.360	1.00	1	04/30/2015 16:31	WG784386
sec-Butylbenzene	U		0.360	1.00	1	04/30/2015 16:31	WG784386
Carbon disulfide	U		0.280	1.00	1	04/30/2015 16:31	WG784386
Carbon tetrachloride	U		0.380	1.00	1	04/30/2015 16:31	WG784386
Chlorobenzene	U		0.350	1.00	1	04/30/2015 16:31	WG784386
Chlorodibromomethane	U		0.330	1.00	1	04/30/2015 16:31	WG784386
Chloroethane	U	*	0.450	5.00	1	04/30/2015 16:31	WG784386
Chloroform	U		0.320	5.00	1	04/30/2015 16:31	WG784386
Chloromethane	U		0.280	2.50	1	04/30/2015 16:31	WG784386
1,2-Dibromoethane	U		0.380	1.00	1	04/30/2015 16:31	WG784386
1,1-Dichloroethane	U		0.260	1.00	1	04/30/2015 16:31	WG784386

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,2-Dichloroethane	U		0.360	1.00	1	04/30/2015 16:31	WG784386
1,1-Dichloroethene	U		0.400	1.00	1	04/30/2015 16:31	WG784386
cis-1,2-Dichloroethene	U		0.260	1.00	1	04/30/2015 16:31	WG784386
trans-1,2-Dichloroethene	U		0.400	1.00	1	04/30/2015 16:31	WG784386
1,2-Dichloropropane	U		0.310	1.00	1	04/30/2015 16:31	WG784386
cis-1,3-Dichloropropene	U		0.420	1.00	1	04/30/2015 16:31	WG784386
trans-1,3-Dichloropropene	U		0.420	1.00	1	04/30/2015 16:31	WG784386
Ethylbenzene	U		0.380	1.00	1	04/30/2015 16:31	WG784386
Isopropylbenzene	U		0.330	1.00	1	04/30/2015 16:31	WG784386
p-Isopropyltoluene	U		0.350	1.00	1	04/30/2015 16:31	WG784386
2-Butanone (MEK)	U		3.90	10.0	1	04/30/2015 16:31	WG784386
2-Hexanone	U		3.80	10.0	1	04/30/2015 16:31	WG784386
Methylene Chloride	U		1.00	5.00	1	04/30/2015 16:31	WG784386
4-Methyl-2-pentanone (MIBK)	U		2.10	10.0	1	04/30/2015 16:31	WG784386
Methyl tert-butyl ether	U		0.370	1.00	1	04/30/2015 16:31	WG784386
Naphthalene	U		1.00	5.00	1	04/30/2015 16:31	WG784386
n-Propylbenzene	U		0.350	1.00	1	04/30/2015 16:31	WG784386
Styrene	U		0.310	1.00	1	04/30/2015 16:31	WG784386
1,1,1,2-Tetrachloroethane	U		0.380	1.00	1	04/30/2015 16:31	WG784386
1,1,2,2-Tetrachloroethane	U		0.130	1.00	1	04/30/2015 16:31	WG784386
Tetrachloroethene	U		0.370	1.00	1	04/30/2015 16:31	WG784386
Toluene	U		0.780	5.00	1	04/30/2015 16:31	WG784386
1,1,1-Trichloroethane	U		0.319	1.00	1	04/30/2015 16:31	WG784386
1,1,2-Trichloroethane	U		0.380	1.00	1	04/30/2015 16:31	WG784386
Trichloroethene	U		0.400	1.00	1	04/30/2015 16:31	WG784386
1,2,4-Trimethylbenzene	U		0.370	1.00	1	04/30/2015 16:31	WG784386
1,3,5-Trimethylbenzene	U		0.390	1.00	1	04/30/2015 16:31	WG784386
Vinyl chloride	U		0.260	1.00	1	04/30/2015 16:31	WG784386
o-Xylene	U		0.340	1.00	1	04/30/2015 16:31	WG784386
m&p-Xylene	U		0.720	1.00	1	04/30/2015 16:31	WG784386
Xylenes, Total	U		1.10	3.00	1	04/30/2015 16:31	WG784386
(S) Toluene-d8	*109*			*88.5-111*		*04/30/2015 16:31*	WG784386
(S) Dibromofluoromethane	*98.4*			*78.3-121*		*04/30/2015 16:31*	WG784386
(S) 4-Bromofluorobenzene	*94.1*			*71.0-126*		*04/30/2015 16:31*	WG784386

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	54.0	J	25.0	100	1	04/23/2015 18:46	WG783644
(S) o-Terphenyl	*100*			*50.0-150*		*04/23/2015 18:46*	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 15:29	WG784386
Benzene	U		0.330	1.00	1	04/30/2015 15:29	WG784386
Bromodichloromethane	U		0.380	1.00	1	04/30/2015 15:29	WG784386
Bromoform	U		0.470	1.00	1	04/30/2015 15:29	WG784386
Bromomethane	U		0.870	5.00	1	04/30/2015 15:29	WG784386
n-Butylbenzene	U		0.360	1.00	1	04/30/2015 15:29	WG784386
sec-Butylbenzene	U		0.360	1.00	1	04/30/2015 15:29	WG784386
Carbon disulfide	U		0.280	1.00	1	04/30/2015 15:29	WG784386
Carbon tetrachloride	U		0.380	1.00	1	04/30/2015 15:29	WG784386
Chlorobenzene	U		0.350	1.00	1	04/30/2015 15:29	WG784386
Chlorodibromomethane	U		0.330	1.00	1	04/30/2015 15:29	WG784386
Chloroethane	U	*	0.450	5.00	1	04/30/2015 15:29	WG784386
Chloroform	U		0.320	5.00	1	04/30/2015 15:29	WG784386
Chloromethane	U		0.280	2.50	1	04/30/2015 15:29	WG784386
1,2-Dibromoethane	U		0.380	1.00	1	04/30/2015 15:29	WG784386
1,1-Dichloroethane	U		0.260	1.00	1	04/30/2015 15:29	WG784386
1,2-Dichloroethane	U		0.360	1.00	1	04/30/2015 15:29	WG784386
1,1-Dichloroethene	U		0.400	1.00	1	04/30/2015 15:29	WG784386
cis-1,2-Dichloroethene	U		0.260	1.00	1	04/30/2015 15:29	WG784386
trans-1,2-Dichloroethene	U		0.400	1.00	1	04/30/2015 15:29	WG784386
1,2-Dichloropropane	U		0.310	1.00	1	04/30/2015 15:29	WG784386
cis-1,3-Dichloropropene	U		0.420	1.00	1	04/30/2015 15:29	WG784386
trans-1,3-Dichloropropene	U		0.420	1.00	1	04/30/2015 15:29	WG784386
Ethylbenzene	U		0.380	1.00	1	04/30/2015 15:29	WG784386
Isopropylbenzene	U		0.330	1.00	1	04/30/2015 15:29	WG784386
p-Isopropyltoluene	U		0.350	1.00	1	04/30/2015 15:29	WG784386
2-Butanone (MEK)	U		3.90	10.0	1	04/30/2015 15:29	WG784386
2-Hexanone	U		3.80	10.0	1	04/30/2015 15:29	WG784386
Methylene Chloride	U		1.00	5.00	1	04/30/2015 15:29	WG784386
4-Methyl-2-pentanone (MIBK)	U		2.10	10.0	1	04/30/2015 15:29	WG784386
Methyl tert-butyl ether	U		0.370	1.00	1	04/30/2015 15:29	WG784386
Naphthalene	U		1.00	5.00	1	04/30/2015 15:29	WG784386
n-Propylbenzene	U		0.350	1.00	1	04/30/2015 15:29	WG784386
Styrene	U		0.310	1.00	1	04/30/2015 15:29	WG784386
1,1,1,2-Tetrachloroethane	U		0.380	1.00	1	04/30/2015 15:29	WG784386
1,1,2,2-Tetrachloroethane	U		0.130	1.00	1	04/30/2015 15:29	WG784386
Tetrachloroethene	U		0.370	1.00	1	04/30/2015 15:29	WG784386
Toluene	U		0.780	5.00	1	04/30/2015 15:29	WG784386
1,1,1-Trichloroethane	U		0.319	1.00	1	04/30/2015 15:29	WG784386
1,1,2-Trichloroethane	U		0.380	1.00	1	04/30/2015 15:29	WG784386
Trichloroethene	U		0.400	1.00	1	04/30/2015 15:29	WG784386
1,2,4-Trimethylbenzene	U		0.370	1.00	1	04/30/2015 15:29	WG784386
1,3,5-Trimethylbenzene	U		0.390	1.00	1	04/30/2015 15:29	WG784386
Vinyl chloride	U		0.260	1.00	1	04/30/2015 15:29	WG784386
o-Xylene	U		0.340	1.00	1	04/30/2015 15:29	WG784386
m&p-Xylene	U		0.720	1.00	1	04/30/2015 15:29	WG784386
Xylenes, Total	U		1.10	3.00	1	04/30/2015 15:29	WG784386
(S) Toluene-d8	*109*			*88.5-111*		*04/30/2015 15:29*	WG784386
(S) Dibromofluoromethane	*105*			*78.3-121*		*04/30/2015 15:29*	WG784386
(S) 4-Bromofluorobenzene	*93.2*			*71.0-126*		*04/30/2015 15:29*	WG784386

Method Blank (MB)

(MB) 04/25/15 10:49

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

L760281-03 Original Sample (OS) • Duplicate (DUP)

(OS) 04/25/15 10:27 • (DUP) 04/25/15 10:27

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	2390	2430	1	1.66		5

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

(LCS) 04/25/15 10:26 • (LCSD) 04/25/15 10:25

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 %
Dissolved Solids	8800	8270	8300	94.0	94.3	85.0-115			0.362	5

Method Blank (MB)

(MB) 04/23/15 17:40

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

L760282-07 Original Sample (OS) • Duplicate (DUP)

(OS) 04/23/15 17:40 • (DUP) 04/23/15 17:39

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	3980	3910	1	1.69		5

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

(LCS) 04/23/15 17:37 • (LCSD) 04/23/15 17:33

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 %
Dissolved Solids	8800	8460	8510	96.1	96.7	85.0-115			0.589	5

Method Blank (MB)

(MB) 04/27/15 08:36

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL 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

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

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	8700	98.1	98.9	85.0-115			0.808	5

Method Blank (MB)

(MB) 05/04/15 09:07

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

L760281-07 Original Sample (OS) • Duplicate (DUP)

(OS) 05/04/15 09:14 • (DUP) 05/04/15 09:16

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Nitrate-Nitrite	ND	ND	1	200	*	20

L760700-06 Original Sample (OS) • Duplicate (DUP)

(OS) 05/04/15 10:23 • (DUP) 05/04/15 10:24

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Nitrate-Nitrite	0.41	0.40	1	2.5		20

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

(LCS) 05/04/15 09:11 • (LCSD) 05/04/15 09:12

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 %
Nitrate-Nitrite	5.00	4.78	4.84	95.6	96.8	90.0-110			1.25	20

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

(OS) 05/04/15 09:17 • (MS) 05/04/15 09:18 • (MSD) 05/04/15 09:19

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Nitrate-Nitrite	5.00	5.08	9.43	9.44	86.6	86.8	1	90.0-110	F	F	0.106	20

Method Blank (MB)

(MB) 05/01/15 10:26

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL 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

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

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

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Cyanide	0.100	0.106	0.105	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

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 %
Cyanide	0.200	ND	0.209	0.206	105	103	1	90.0-110			1.45	20

Method Blank (MB)

(MB) 04/28/15 13:19

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

L760591-02 Original Sample (OS) • Duplicate (DUP)

(OS) 04/28/15 16:36 • (DUP) 04/28/15 16:50

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	16.7	16.2	2	3		20
Fluoride	0.860	0.916	2	6		20
Sulfate	138	139	2	0		20

L760604-01 Original Sample (OS) • Duplicate (DUP)

(OS) 04/28/15 19:23 • (DUP) 04/28/15 19:37

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	65.3	65.5	1	0		20
Fluoride	0.927	1.06	1	13		20

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

(LCS) 04/28/15 13:33 • (LCSD) 04/28/15 13:47

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	39.6	100	99	90-110			1	20
Fluoride	8.00	8.14	8.03	102	100	90-110			1	20
Sulfate	40.0	40.3	39.8	101	99	90-110			1	20

L760604-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 04/28/15 19:51 • (MS) 04/28/15 20:05 • (MSD) 04/28/15 20:19

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	50.0	81.5	128	128	94	94	1	80-120			0	20
Fluoride	5.00	0.856	5.99	5.16	103	86	1	80-120			15	20

Method Blank (MB)

(MB) 04/21/15 10:21

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

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

(LCS) 04/21/15 10:24 • (LCSD) 04/21/15 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 %
Mercury	0.00300	0.00310	0.00317	103	106	80-120			2	20

L759988-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 04/21/15 10:29 • (MS) 04/21/15 10:32 • (MSD) 04/21/15 10:34

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Mercury	0.00300	ND	0.00300	0.00312	100	104	1	75-125			4	20

Method Blank (MB)

(MB) 04/29/15 12:19

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	0.0234		0.015	0.100
Lead	U		0.00024	0.00200
Manganese	0.000479		0.00025	0.00500
Nickel	0.00153		0.00035	0.00200
Potassium	U		0.037	1.00
Selenium	U		0.00038	0.00200
Sodium	U		0.11	1.00
Vanadium	0.00026		0.00018	0.00500

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

(LCS) 04/29/15 12:21 • (LCSD) 04/29/15 12:24

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	0.0485	0.0480	97	96	80-120			1	20
Barium	0.0500	0.0509	0.0515	102	103	80-120			1	20
Calcium	5.00	5.07	5.05	101	101	80-120			1	20
Chromium	0.0500	0.0504	0.0506	101	101	80-120			0	20
Iron	5.00	4.71	4.65	94	93	80-120			1	20
Lead	0.0500	0.0517	0.0515	103	103	80-120			0	20
Manganese	0.0500	0.0511	0.0503	102	101	80-120			2	20
Nickel	0.0500	0.0523	0.0519	105	104	80-120			1	20
Potassium	5.00	5.00	4.92	100	98	80-120			2	20
Selenium	0.0500	0.0492	0.0498	98	100	80-120			1	20
Sodium	5.00	5.31	5.22	106	104	80-120			2	20
Vanadium	0.0500	0.0511	0.0509	102	102	80-120			0	20

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

(OS) 04/29/15 12:27 • (MS) 04/29/15 12:32 • (MSD) 04/29/15 12:34

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	0.0500	0.00621	0.0577	0.0578	103	103	1	75-125			0	20
Barium	0.0500	0.0104	0.0624	0.0621	104	103	1	75-125			0	20

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

(OS) 04/29/15 12:27 • (MS) 04/29/15 12:32 • (MSD) 04/29/15 12:34

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Calcium	5.00	510	513	507	65	0	1	75-125	4	4	1	20
Chromium	0.0500	0.000346	0.0505	0.0479	100	95	1	75-125			5	20
Potassium	5.00	0.398	5.26	5.17	97	95	1	75-125			2	20
Iron	5.00	0.0746	4.71	4.34	93	85	1	75-125			8	20
Lead	0.0500	0.000148	0.0515	0.0501	103	100	1	75-125			3	20
Manganese	0.0500	0.00743	0.0575	0.0544	100	94	1	75-125			6	20
Nickel	0.0500	0.00398	0.0522	0.0508	96	94	1	75-125			3	20
Selenium	0.0500	0.0289	0.0833	0.0793	109	101	1	75-125			5	20
Sodium	5.00	232	236	234	87	37	1	75-125		4	1	20
Vanadium	0.0500	0.0442	0.0956	0.0922	103	96	1	75-125			4	20

Method Blank (MB)

(MB) 04/29/15 15:45

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	0.000359		0.00035	0.00200
Selenium,Dissolved	U		0.00038	0.00200
Vanadium,Dissolved	U		0.00018	0.00500

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

(LCS) 04/29/15 15:47 • (LCSD) 04/29/15 15:50

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 %
Arsenic,Dissolved	0.0500	0.0479	0.0490	96	98	80-120			2	20
Barium,Dissolved	0.0500	0.0482	0.0492	96	98	80-120			2	20
Chromium,Dissolved	0.0500	0.0489	0.0489	98	98	80-120			0	20
Iron,Dissolved	5.00	4.66	4.64	93	93	80-120			0	20
Lead,Dissolved	0.0500	0.0498	0.0491	100	98	80-120			1	20
Manganese,Dissolved	0.0500	0.0484	0.0495	97	99	80-120			2	20
Nickel,Dissolved	0.0500	0.0497	0.0496	99	99	80-120			0	20
Selenium,Dissolved	0.0500	0.0481	0.0460	96	92	80-120			5	20
Vanadium,Dissolved	0.0500	0.0484	0.0485	97	97	80-120			0	20

L760281-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 04/29/15 15:52 • (MS) 04/29/15 15:56 • (MSD) 04/29/15 15:59

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	0.00568	0.0539	0.0529	96	95	1	75-125			2	20
Barium,Dissolved	0.0500	0.0220	0.0720	0.0712	100	98	1	75-125			1	20
Chromium,Dissolved	0.0500	0.0298	0.0725	0.0705	85	81	1	75-125			3	20
Iron,Dissolved	5.00	0.149	4.38	4.24	85	82	1	75-125			3	20
Lead,Dissolved	0.0500	0.00143	0.0503	0.0494	98	96	1	75-125			2	20
Manganese,Dissolved	0.0500	0.835	0.819	0.796	0	0	1	75-125	4	4	3	20
Nickel,Dissolved	0.0500	0.0114	0.0543	0.0527	86	83	1	75-125			3	20
Selenium,Dissolved	0.0500	0.000337	0.0440	0.0458	87	91	1	75-125			4	20

L760281-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 04/29/15 15:52 • (MS) 04/29/15 15:56 • (MSD) 04/29/15 15:59

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	0.000477	0.0467	0.0454	92	90	1	75-125			3	20

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*

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) 04/23/15 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

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*

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*				

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		*	21.6	20
p-Isopropyltoluene	0.0250	ND	0.0235	0.0191	94.0	76.3	1	63.2-139		*	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

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*				

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
Tetrachloroethene	U		0.000372	0.00100
Toluene	U		0.000780	0.00500
1,1,1-Trichloroethane	U		0.000319	0.00100

Method Blank (MB)

(MB) 04/24/15 01:13

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	*101*			*88.5-111*
(S) Dibromofluoromethane	*93.0*			*78.3-121*
(S) 4-Bromofluorobenzene	*101*			*71.0-126*

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
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

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 %
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*				

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

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 %
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
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

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 %
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*				

Method Blank (MB)

(MB) 04/26/15 08:30

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

Method Blank (MB)

(MB) 04/26/15 08:30

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	*104*			*88.5-111*
(S) Dibromofluoromethane	*109*			*78.3-121*
(S) 4-Bromofluorobenzene	*107*			*71.0-126*

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

(LCS) 04/26/15 06:40 • (LCSD) 04/26/15 07:00

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	0.141	106	113	35.6-163			5.75	23.9
Benzene	0.0250	0.0286	0.0291	114	116	74.8-121			1.81	20
Bromodichloromethane	0.0250	0.0268	0.0268	107	107	75.1-116			0.000	20
Bromoform	0.0250	0.0257	0.0259	103	103	67.5-130			0.510	20
Bromomethane	0.0250	0.0269	0.0282	107	113	49.9-162			4.89	20
n-Butylbenzene	0.0250	0.0251	0.0245	101	98.2	76.2-126			2.46	20
sec-Butylbenzene	0.0250	0.0263	0.0263	105	105	74.4-127			0.140	20
Carbon disulfide	0.0250	0.0319	0.0321	127	129	64.6-140			0.900	20
Carbon tetrachloride	0.0250	0.0292	0.0298	117	119	70.2-123			2.23	20
Chlorobenzene	0.0250	0.0268	0.0262	107	105	78.1-119			2.57	20
Chlorodibromomethane	0.0250	0.0266	0.0262	107	105	74.0-121			1.71	20
Chloroethane	0.0250	0.0275	0.0285	110	114	61.7-135			3.48	20
Chloroform	0.0250	0.0287	0.0293	115	117	76.0-121			1.91	20
Chloromethane	0.0250	0.0269	0.0275	108	110	61.5-129			2.17	20
1,2-Dibromoethane	0.0250	0.0257	0.0257	103	103	76.6-121			0.200	20
1,1-Dichloroethane	0.0250	0.0295	0.0300	118	120	70.7-126			1.81	20
1,2-Dichloroethane	0.0250	0.0295	0.0302	118	121	68.8-124			2.30	20
1,1-Dichloroethene	0.0250	0.0309	0.0315	124	126	67.8-129			1.74	20
cis-1,2-Dichloroethene	0.0250	0.0283	0.0289	113	116	76.0-119			2.02	20
trans-1,2-Dichloroethene	0.0250	0.0281	0.0289	112	115	72.6-121			2.75	20
1,2-Dichloropropane	0.0250	0.0284	0.0282	114	113	76.5-119			0.960	20

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

(LCS) 04/26/15 06:40 • (LCSD) 04/26/15 07:00

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	0.0266	0.0268	107	107	78.2-120			0.550	20
trans-1,3-Dichloropropene	0.0250	0.0267	0.0262	107	105	74.3-123			1.55	20
Ethylbenzene	0.0250	0.0267	0.0262	107	105	78.8-122			2.01	20
2-Hexanone	0.125	0.139	0.144	111	115	65.6-144			2.96	20
Isopropylbenzene	0.0250	0.0259	0.0254	103	102	78.6-132			1.71	20
p-Isopropyltoluene	0.0250	0.0264	0.0265	106	106	74.0-131			0.180	20
2-Butanone (MEK)	0.125	0.143	0.151	114	121	55.0-149			5.31	20
Methylene Chloride	0.0250	0.0295	0.0295	118	118	70.3-120			0.0500	20
4-Methyl-2-pentanone (MIBK)	0.125	0.135	0.141	108	113	70.5-133			4.19	20
Methyl tert-butyl ether	0.0250	0.0289	0.0299	116	120	71.2-126			3.35	20
Naphthalene	0.0250	0.0232	0.0235	92.9	94.0	68.4-128			1.17	20
n-Propylbenzene	0.0250	0.0264	0.0262	106	105	78.2-122			0.600	20
Styrene	0.0250	0.0272	0.0264	109	106	80.4-126			2.97	20
1,1,1,2-Tetrachloroethane	0.0250	0.0242	0.0240	96.7	95.9	74.2-124			0.830	20
1,1,2,2-Tetrachloroethane	0.0250	0.0292	0.0293	117	117	70.7-122			0.400	20
Tetrachloroethene	0.0250	0.0265	0.0252	106	101	72.6-126			4.77	20
Toluene	0.0250	0.0275	0.0272	110	109	79.7-116			1.04	20
1,1,1-Trichloroethane	0.0250	0.0290	0.0303	116	121	73.2-123			4.41	20
1,1,2-Trichloroethane	0.0250	0.0256	0.0255	102	102	77.7-118			0.400	20
Trichloroethene	0.0250	0.0277	0.0274	111	109	77.7-118			1.39	20
1,2,4-Trimethylbenzene	0.0250	0.0255	0.0252	102	101	75.0-123			1.21	20
1,3,5-Trimethylbenzene	0.0250	0.0265	0.0265	106	106	75.6-124			0.200	20
Vinyl chloride	0.0250	0.0276	0.0280	110	112	65.9-128			1.38	20
Xylenes, Total	0.0750	0.0788	0.0778	105	104	78.7-121			1.32	20
o-Xylene	0.0250	0.0263	0.0261	105	104	77.6-122			0.940	20
m&p-Xylenes	0.0500	0.0525	0.0517	105	103	78.8-121			1.50	20
(S) Toluene-d8				*105*	*104*	*88.5-111*				
(S) Dibromofluoromethane				*103*	*105*	*78.3-121*				
(S) 4-Bromofluorobenzene				*108*	*107*	*71.0-126*				

L760220-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 04/28/15 01:45 • (MS) 04/28/15 00:47 • (MSD) 04/28/15 01:06

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	0.00234	0.101	0.0946	78.8	73.8	1	10.0-130			6.31	27.9
Benzene	0.0250	ND	0.0196	0.0193	78.3	77.2	1	54.3-133			1.45	20
Bromodichloromethane	0.0250	ND	0.0205	0.0205	82.0	81.9	1	63.9-121			0.0600	20

L760220-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 04/28/15 01:45 • (MS) 04/28/15 00:47 • (MSD) 04/28/15 01:06

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	0.0227	0.0222	90.6	89.0	1	59.5-134			1.80	20.5
Bromomethane	0.0250	ND	0.0160	0.0155	64.0	62.1	1	41.7-155			2.99	21.9
n-Butylbenzene	0.0250	ND	0.0218	0.0222	87.1	88.9	1	62.7-140			2.10	20.3
sec-Butylbenzene	0.0250	ND	0.0232	0.0237	92.7	94.9	1	62.2-136			2.30	20.3
Carbon disulfide	0.0250	ND	0.0116	0.0115	46.5	46.1	1	43.3-149			0.890	20.3
Carbon tetrachloride	0.0250	ND	0.0214	0.0219	85.7	87.6	1	55.7-134			2.22	20
Chlorobenzene	0.0250	ND	0.0214	0.0215	85.8	85.9	1	67.0-125			0.160	20
Chlorodibromomethane	0.0250	ND	0.0217	0.0217	86.7	86.8	1	64.3-125			0.100	20.8
Chloroethane	0.0250	ND	0.0171	0.0172	68.3	68.6	1	51.5-136			0.460	40
Chloroform	0.0250	ND	0.0211	0.0205	84.3	81.9	1	63.0-129			2.91	20
Chloromethane	0.0250	ND	0.0143	0.0140	57.4	55.9	1	42.4-135			2.62	20
1,2-Dibromoethane	0.0250	ND	0.0215	0.0216	85.9	86.5	1	67.1-125			0.700	20
1,1-Dichloroethane	0.0250	ND	0.0210	0.0209	84.1	83.5	1	58.5-132			0.720	20
1,2-Dichloroethane	0.0250	ND	0.0203	0.0195	81.3	78.1	1	60.0-126			4.00	20
1,1-Dichloroethene	0.0250	ND	0.0182	0.0179	73.0	71.7	1	51.1-140			1.76	20.2
cis-1,2-Dichloroethene	0.0250	ND	0.0210	0.0207	84.2	82.6	1	59.2-129			1.88	20
trans-1,2-Dichloroethene	0.0250	ND	0.0189	0.0185	75.6	74.2	1	56.5-129			1.86	20
1,2-Dichloropropane	0.0250	ND	0.0219	0.0220	87.5	87.9	1	64.2-123			0.390	20
cis-1,3-Dichloropropene	0.0250	ND	0.0212	0.0212	84.9	84.7	1	66.4-125			0.260	20
trans-1,3-Dichloropropene	0.0250	ND	0.0205	0.0218	81.9	87.3	1	64.1-128			6.39	20
Ethylbenzene	0.0250	ND	0.0216	0.0219	86.5	87.7	1	61.4-133			1.39	20
2-Hexanone	0.125	0.000421	0.124	0.120	98.8	95.4	1	43.3-137			3.48	25.5
Isopropylbenzene	0.0250	ND	0.0223	0.0227	89.2	90.8	1	66.8-141			1.75	20
p-Isopropyltoluene	0.0250	ND	0.0230	0.0231	92.2	92.6	1	63.2-139			0.440	20.4
2-Butanone (MEK)	0.125	ND	0.117	0.110	93.6	88.0	1	22.4-138			6.17	27
Methylene Chloride	0.0250	0.000910	0.0196	0.0189	74.8	71.8	1	58.1-122			3.90	20
4-Methyl-2-pentanone (MIBK)	0.125	ND	0.117	0.115	93.9	91.7	1	60.8-140			2.42	25.1
Methyl tert-butyl ether	0.0250	ND	0.0225	0.0214	90.0	85.8	1	57.7-134			4.83	20
Naphthalene	0.0250	0.000502	0.0221	0.0215	86.5	84.0	1	58.0-135			2.85	25.5
n-Propylbenzene	0.0250	ND	0.0219	0.0223	87.4	89.2	1	65.9-131			2.02	20
Styrene	0.0250	ND	0.0224	0.0228	89.7	91.0	1	66.8-133			1.41	20
1,1,1,2-Tetrachloroethane	0.0250	ND	0.0223	0.0230	89.3	91.9	1	64.0-128			2.88	20
1,1,2,2-Tetrachloroethane	0.0250	ND	0.0235	0.0230	93.9	92.1	1	56.0-132			1.93	22.2
Tetrachloroethene	0.0250	0.000864	0.0205	0.0211	78.7	81.1	1	53.0-139			2.93	20
Toluene	0.0250	ND	0.0200	0.0205	80.2	81.9	1	61.4-130			2.09	20
1,1,1-Trichloroethane	0.0250	ND	0.0214	0.0215	85.7	86.2	1	58.7-134			0.580	20
1,1,2-Trichloroethane	0.0250	ND	0.0216	0.0211	86.4	84.4	1	66.3-125			2.34	20
Trichloroethene	0.0250	ND	0.0205	0.0208	81.9	83.0	1	44.1-149			1.45	20
1,2,4-Trimethylbenzene	0.0250	ND	0.0216	0.0223	86.5	89.4	1	57.4-137			3.21	20

L760220-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 04/28/15 01:45 • (MS) 04/28/15 00:47 • (MSD) 04/28/15 01:06

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	0.0217	0.0220	86.8	87.9	1	63.6-132			1.25	20.5
Vinyl chloride	0.0250	ND	0.0163	0.0159	65.4	63.4	1	47.8-137			3.06	20
Xylenes, Total	0.0750	ND	0.0649	0.0660	86.5	88.0	1	63.3-131			1.63	20
o-Xylene	0.0250	ND	0.0219	0.0222	87.6	88.7	1	63.3-130			1.15	20
m&p-Xylenes	0.0500	ND	0.0430	0.0438	86.0	87.6	1	61.7-133			1.88	20
(S) Toluene-d8					*104*	*105*		*88.5-111*				
(S) Dibromofluoromethane					*100*	*98.4*		*78.3-121*				
(S) 4-Bromofluorobenzene					*103*	*104*		*71.0-126*				

Method Blank (MB)

(MB) 04/30/15 14:37

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

Method Blank (MB)

(MB) 04/30/15 14:37

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	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	*108*			*88.5-111*
(S) Dibromofluoromethane	*107*			*78.3-121*
(S) 4-Bromofluorobenzene	*95.7*			*71.0-126*

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

(LCS) 04/30/15 12:13 • (LCSD) 04/30/15 12:33

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 %
Acetone	0.125	0.194	0.196	155	157	35.6-163			1.20	23.9
Benzene	0.0250	0.0269	0.0253	108	101	74.8-121			6.16	20
Bromodichloromethane	0.0250	0.0276	0.0259	110	103	75.1-116			6.62	20
Bromoform	0.0250	0.0274	0.0263	109	105	67.5-130			4.13	20
Bromomethane	0.0250	0.0237	0.0196	94.6	78.3	49.9-162			18.9	20
n-Butylbenzene	0.0250	0.0294	0.0259	118	104	76.2-126			12.4	20
sec-Butylbenzene	0.0250	0.0264	0.0243	106	97.1	74.4-127			8.57	20
Carbon disulfide	0.0250	0.0246	0.0218	98.3	87.4	64.6-140			11.7	20
Carbon tetrachloride	0.0250	0.0267	0.0251	107	100	70.2-123			6.18	20
Chlorobenzene	0.0250	0.0261	0.0244	105	97.7	78.1-119			6.78	20
Chlorodibromomethane	0.0250	0.0277	0.0268	111	107	74.0-121			3.41	20
Chloroethane	0.0250	0.0217	0.0173	86.9	69.0	61.7-135		*	23.0	20
Chloroform	0.0250	0.0259	0.0245	104	97.9	76.0-121			5.75	20
Chloromethane	0.0250	0.0255	0.0237	102	94.6	61.5-129			7.39	20
1,2-Dibromoethane	0.0250	0.0268	0.0255	107	102	76.6-121			4.87	20
1,1-Dichloroethane	0.0250	0.0278	0.0264	111	105	70.7-126			5.18	20
1,2-Dichloroethane	0.0250	0.0257	0.0245	103	98.1	68.8-124			4.83	20
1,1-Dichloroethene	0.0250	0.0215	0.0192	86.1	76.7	67.8-129			11.5	20
cis-1,2-Dichloroethene	0.0250	0.0268	0.0255	107	102	76.0-119			5.12	20
trans-1,2-Dichloroethene	0.0250	0.0269	0.0256	107	103	72.6-121			4.64	20
1,2-Dichloropropane	0.0250	0.0293	0.0275	117	110	76.5-119			6.33	20

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

(LCS) 04/30/15 12:13 • (LCSD) 04/30/15 12:33

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 %
cis-1,3-Dichloropropene	0.0250	0.0294	0.0276	118	110	78.2-120			6.49	20
trans-1,3-Dichloropropene	0.0250	0.0272	0.0259	109	104	74.3-123			5.04	20
Ethylbenzene	0.0250	0.0261	0.0246	104	98.2	78.8-122			5.94	20
2-Hexanone	0.125	0.156	0.151	125	121	65.6-144			3.56	20
Isopropylbenzene	0.0250	0.0264	0.0246	106	98.3	78.6-132			7.34	20
p-Isopropyltoluene	0.0250	0.0266	0.0247	106	98.7	74.0-131			7.51	20
2-Butanone (MEK)	0.125	0.181	0.176	145	141	55.0-149			2.65	20
Methylene Chloride	0.0250	0.0282	0.0270	113	108	70.3-120			4.19	20
4-Methyl-2-pentanone (MIBK)	0.125	0.149	0.145	119	116	70.5-133			2.89	20
Methyl tert-butyl ether	0.0250	0.0271	0.0259	108	104	71.2-126			4.29	20
Naphthalene	0.0250	0.0290	0.0278	116	111	68.4-128			4.41	20
n-Propylbenzene	0.0250	0.0263	0.0243	105	97.2	78.2-122			7.76	20
Styrene	0.0250	0.0251	0.0239	101	95.5	80.4-126			5.18	20
1,1,1,2-Tetrachloroethane	0.0250	0.0271	0.0258	108	103	74.2-124			5.02	20
1,1,2,2-Tetrachloroethane	0.0250	0.0263	0.0250	105	99.8	70.7-122			5.13	20
Tetrachloroethene	0.0250	0.0256	0.0242	102	96.8	72.6-126			5.66	20
Toluene	0.0250	0.0259	0.0243	103	97.3	79.7-116			6.08	20
1,1,1-Trichloroethane	0.0250	0.0264	0.0249	105	99.4	73.2-123			5.85	20
1,1,2-Trichloroethane	0.0250	0.0262	0.0247	105	98.6	77.7-118			6.12	20
Trichloroethene	0.0250	0.0268	0.0251	107	100	77.7-118			6.78	20
1,2,4-Trimethylbenzene	0.0250	0.0260	0.0243	104	97.1	75.0-123			6.96	20
1,3,5-Trimethylbenzene	0.0250	0.0262	0.0239	105	95.7	75.6-124			8.91	20
Vinyl chloride	0.0250	0.0224	0.0200	89.5	80.0	65.9-128			11.2	20
Xylenes, Total	0.0750	0.0773	0.0724	103	96.5	78.7-121			6.50	20
o-Xylene	0.0250	0.0259	0.0243	103	97.3	77.6-122			6.18	20
m&p-Xylenes	0.0500	0.0514	0.0481	103	96.2	78.8-121			6.66	20
(S) Toluene-d8				*109*	*107*	*88.5-111*				
(S) Dibromofluoromethane				*106*	*105*	*78.3-121*				
(S) 4-Bromofluorobenzene				*95.7*	*95.7*	*71.0-126*				

L761038-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 04/30/15 16:10 • (MS) 04/30/15 13:36 • (MSD) 04/30/15 13:57

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 %
Acetone	0.125	0.00382	0.140	0.178	109	139	1	10.0-130		F	24.1	27.9
Benzene	0.0250	ND	0.0217	0.0263	87.0	105	1	54.3-133			19.0	20
Bromodichloromethane	0.0250	ND	0.0216	0.0261	86.3	105	1	63.9-121			19.2	20

L761038-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 04/30/15 16:10 • (MS) 04/30/15 13:36 • (MSD) 04/30/15 13:57

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 %
Bromoform	0.0250	ND	0.0222	0.0269	88.7	108	1	59.5-134			19.2	20.5
Bromomethane	0.0250	ND	0.0170	0.0205	68.1	82.2	1	41.7-155			18.7	21.9
n-Butylbenzene	0.0250	ND	0.0243	0.0278	97.3	111	1	62.7-140			13.3	20.3
sec-Butylbenzene	0.0250	ND	0.0231	0.0255	92.4	102	1	62.2-136			10.1	20.3
Carbon disulfide	0.0250	ND	0.0198	0.0228	79.2	91.0	1	43.3-149			14.0	20.3
Carbon tetrachloride	0.0250	ND	0.0227	0.0268	90.7	107	1	55.7-134			16.7	20
Chlorobenzene	0.0250	ND	0.0218	0.0261	87.3	104	1	67.0-125			17.8	20
Chlorodibromomethane	0.0250	ND	0.0227	0.0271	90.7	109	1	64.3-125			17.9	20.8
Chloroethane	0.0250	ND	0.0158	0.0186	63.3	74.2	1	51.5-136			16.0	40
Chloroform	0.0250	ND	0.0209	0.0253	83.5	101	1	63.0-129			19.0	20
Chloromethane	0.0250	ND	0.0205	0.0257	81.9	103	1	42.4-135		*	22.7	20
1,2-Dibromoethane	0.0250	ND	0.0215	0.0259	86.1	104	1	67.1-125			18.4	20
1,1-Dichloroethane	0.0250	ND	0.0227	0.0275	90.8	110	1	58.5-132			19.0	20
1,2-Dichloroethane	0.0250	ND	0.0200	0.0250	79.8	100	1	60.0-126		*	22.5	20
1,1-Dichloroethene	0.0250	ND	0.0178	0.0203	71.3	81.4	1	51.1-140			13.1	20.2
cis-1,2-Dichloroethene	0.0250	ND	0.0223	0.0267	89.0	107	1	59.2-129			18.0	20
trans-1,2-Dichloroethene	0.0250	ND	0.0227	0.0272	90.9	109	1	56.5-129			17.9	20
1,2-Dichloropropane	0.0250	ND	0.0229	0.0280	91.8	112	1	64.2-123			19.7	20
cis-1,3-Dichloropropene	0.0250	ND	0.0231	0.0282	92.3	113	1	66.4-125			19.9	20
trans-1,3-Dichloropropene	0.0250	ND	0.0217	0.0261	87.0	105	1	64.1-128			18.4	20
Ethylbenzene	0.0250	ND	0.0227	0.0266	90.9	106	1	61.4-133			15.7	20
2-Hexanone	0.125	ND	0.131	0.158	105	127	1	43.3-137			18.8	25.5
Isopropylbenzene	0.0250	ND	0.0232	0.0265	92.9	106	1	66.8-141			13.3	20
p-Isopropyltoluene	0.0250	ND	0.0235	0.0261	93.9	104	1	63.2-139			10.5	20.4
2-Butanone (MEK)	0.125	ND	0.143	0.179	114	143	1	22.4-138		F	22.3	27
Methylene Chloride	0.0250	0.000504	0.0212	0.0259	82.6	101	1	58.1-122			20.0	20
4-Methyl-2-pentanone (MIBK)	0.125	ND	0.120	0.148	95.7	119	1	60.8-140			21.4	25.1
Methyl tert-butyl ether	0.0250	ND	0.0208	0.0264	83.3	106	1	57.7-134		*	23.7	20
Naphthalene	0.0250	0.000418	0.0218	0.0287	85.3	113	1	58.0-135		*	27.4	25.5
n-Propylbenzene	0.0250	ND	0.0235	0.0268	93.9	107	1	65.9-131			13.3	20
Styrene	0.0250	ND	0.0211	0.0250	84.4	99.9	1	66.8-133			16.8	20
1,1,1,2-Tetrachloroethane	0.0250	ND	0.0223	0.0269	89.1	108	1	64.0-128			19.0	20
1,1,2,2-Tetrachloroethane	0.0250	ND	0.0214	0.0264	85.6	106	1	56.0-132			21.1	22.2
Tetrachloroethene	0.0250	ND	0.0328	0.0270	131	108	1	53.0-139			19.4	20
Toluene	0.0250	ND	0.0211	0.0254	84.6	102	1	61.4-130			18.3	20
1,1,1-Trichloroethane	0.0250	ND	0.0226	0.0271	90.4	108	1	58.7-134			18.1	20
1,1,2-Trichloroethane	0.0250	ND	0.0209	0.0257	83.7	103	1	66.3-125		*	20.5	20
Trichloroethene	0.0250	ND	0.0220	0.0263	87.9	105	1	44.1-149			17.9	20
1,2,4-Trimethylbenzene	0.0250	ND	0.0230	0.0262	91.8	105	1	57.4-137			13.3	20

L761038-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 04/30/15 16:10 • (MS) 04/30/15 13:36 • (MSD) 04/30/15 13:57

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 %
1,3,5-Trimethylbenzene	0.0250	ND	0.0228	0.0257	91.1	103	1	63.6-132			12.2	20.5
Vinyl chloride	0.0250	ND	0.0181	0.0206	72.5	82.3	1	47.8-137			12.7	20
Xylenes, Total	0.0750	ND	0.0677	0.0785	90.2	105	1	63.3-131			14.8	20
o-Xylene	0.0250	ND	0.0223	0.0260	89.1	104	1	63.3-130			15.6	20
m&p-Xylenes	0.0500	ND	0.0454	0.0525	90.8	105	1	61.7-133			14.4	20
(S) Toluene-d8					*108*	*108*		*88.5-111*				
(S) Dibromofluoromethane					*104*	*107*		*78.3-121*				
(S) 4-Bromofluorobenzene					*101*	*98.0*		*71.0-126*				

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*

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*				

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	U		0.0247	0.100
(S) o-Terphenyl	*98.3*			*50.0-150*

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.
J	Estimated value.

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
Conneticut	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 [1 4]	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		

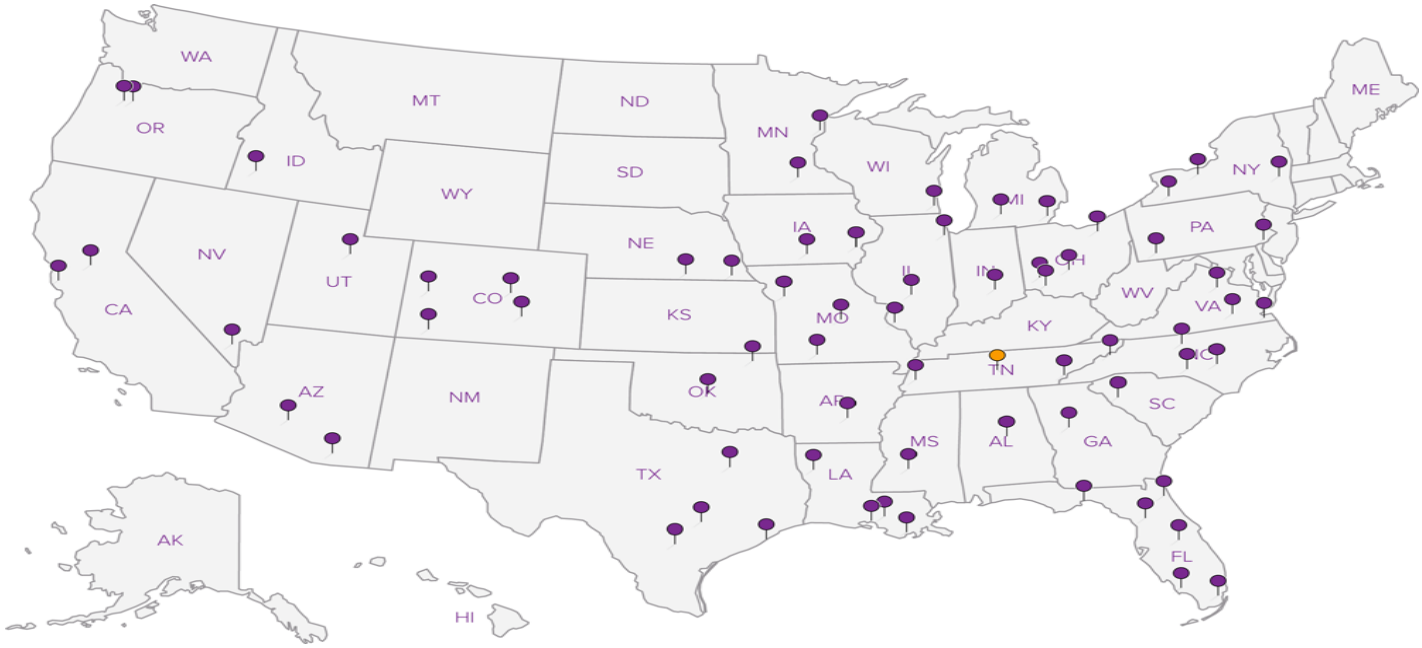
[1.] Drinking Water [2.] Underground Storage Tanks [3.] Aquatic Toxicity [4.] Chemical/Microbiological [5.] Mold [n/a] Accreditation not applicable

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 Collected: Artesia, NM

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

TMD TX000836.0007.15006 (7 / 5a)

Lab Project # ARCADHTX-NAVAJO FULL

Collected by (print): Bryan Bayles (HMI)

Site/Facility ID #

P.O. #

Collected by (signature): Scott Ude

Immediately Iced? N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Next Day 100%
___ Two Day 50%
___ Three Day 25%

Date Results Needed

Email? ___No ___Yes
FAX? ___No ___Yes

Analysis / Container / Preservative (42 / 42 / 42 / 42 / 712 / 42)

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 <2	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 712	Anions: Chloride, Fluoride, Sulfate	Cations: Ca, K, Na (from Total Metals container)	NO2 / NO3 42	TDS	Remarks/Comments	Sample # (lab only)
MW-20	G	GW		4/17/15	1150	10	✓		✓	✓		✓			✓	✓	✓	✓		-01
~~NP-1~~									✓						✓	✓	✓	✓	SU	
~~NP-6~~									✓										SU	
MW-8				4/17/15	1245	12	✓	✓	✓	✓		✓			✓	✓	✓	✓		-02
~~MW-21~~							✓	✓	✓	✓		✓			✓	✓	✓	✓	SU	
MW-71				4/16/15	1500	11	✓		✓		✓		✓	✓	✓	✓	✓	✓		-03
MW-68				4/16/15	1555	10	✓		✓	✓		✓			✓	✓	✓	✓		-04
MW-27				4/16/15	1400	10	✓		✓	✓		✓			✓	✓	✓	✓		-05
~~MW-89~~							✓		✓	✓		✓			✓	✓	✓	✓	SU	
~~MW-16~~							✓		✓	✓		✓			✓	✓	✓	✓	SU	

Chain of Custody Page 18 of 34

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

L# L760282

Table J155

Acctnum: ARCADHTX
Template: T101497
Prelogin:
TSR: Pam Langford
PB:
Shipped Via:

* 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)
Scott Ude	4/17/15	1600	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)

Samples returned via: ☐ UPS ☑ FedEx ☐ Courier ☐ ___

Temp: 3.1 °C 74

Date: 4/18/15 0900

Condition: m (OK) (lab use only)

COC Seal Intact: ✓ Y ___ N ___ NA

pH Checked: 42 712

NCF:

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 Collected: Artesia, NM

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

TMD TX000836.0007.15006 (7 SU)

Lab Project # ARCADHTX-NAVAJO FULL

Collected by (print): Bryan Bayles + HMI

Site/Facility ID #

P.O. #

Collected by (signature): Scott Ude

Immediately Iced? N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Next Day 100%
___ Two Day 50%
___ Three Day 25%

Date Results Needed

Email? ___No ___Yes
FAX? ___No ___Yes

Analysis / Container / Preservative

Chain of Custody Page 19 of 34

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

L# L760282

Table #

Acctnum: ARCADHTX
Template: T101497
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 (2)	Total Metals: As, Ba, Cr, Fe, Pb, Mn, Ni, Se, V, Hg (2)	Dis Metals: (FFiltered) As, Ba, Cr, Fe, Pb, Mn, Se (2)	Dis Metals: (FFiltered) As, Ba, Cr, Fe, Pb, Mn, Ni, Se,V (2)	Cyanide (2)	Anions: Chloride, Fluoride, Sulfate	Cations: Ca, K, Na (from Total Metals container) (2)	NO2 / NO3 (2)	TDS	Remarks/Comments	Sample # (lab only)
MW-26	G	GW		4/16/15	1255	10	✓		✓	✓		✓			✓	✓	✓	✓		-06

* 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)
Scott Ude	4/17/15	1600	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)

Samples returned via: ☐ UPS ☑ FedEx ☐ Courier ☐ ___

Temp: 3.4 °C 74

Date: 4/18/15 0900

Condition: (lab use only) (A) M?

COC Seal Intact: ✓ Y ___N ___NA

pH Checked: 12 712

NCF:

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 Collected: Artesia, NM

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

TMD: TX000836.0007.15006

Lab Project # ARCADHTX-NAVAJO FULL

Collected by (print): Scott Ude + Hml

Site/Facility ID #

P.O. #

Collected by (signature): Scott Ude

Immediately Iced? N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Next Day 100%
___ Two Day 50%
___ Three Day 25%

Date Results Needed

Email? ___No ___Yes
FAX? ___No ___Yes

Analysis / Container / Preservative

Chain of Custody Page 4 of 34

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

L# L760282

Table #

Acctnum: ARCADHTX

Template: T101472

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 <2	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 <12	Anions: Chloride, Fluoride, Sulfate	Cations: Ca, K, Na (from Total Metals container) <2	NO2 / NO3 <2	TDS	Remarks/Comments	Sample # (lab only)
MW-46R	G	GW		4/16/15	850	10	✓		✓	✓		✓			✓	✓	✓	✓		-07

* 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)
Scott Ude	4/17/15	1600	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)

Samples returned via: ☐ UPS ☑ FedEx ☐ Courier ☐ ___

Temp: 3.4 °C 74

Date: 4/18/15 0900

Condition: (lab use only) (ok) m²

COC Seal Intact: ___Y ___N ___NA

pH Checked: <2 <12 NCF:

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 Collected: Artesia, NM

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

TMD TX000836.0007.15005 (7 su)

Lab Project # ARCADHTX-NAVAJO FULL

Collected by (print): Bryan Bayles + HMI

Site/Facility ID #

P.O. #

Collected by (signature): Scott Ude

Immediately Iced? N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Next Day 100%
___ Two Day 50%
___ Three Day 25%

Date Results Needed

Email? ___No ___Yes
FAX? ___No ___Yes

Sample ID	Comp/ Grab	Matrix *	Depth	Date	Time	No. of Cntr	DRO 8015	GRO 8015	Volatiles 8260 (Extended List)	Total Metals: As, Ba, Cr, Fe, Pb, Mn, Se (2)	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 (2)	Anions: Chloride, Fluoride, Sulfate	Cations: Ca, K, Na (from Total Metals container)	NO2 / NO3 (2)	TDS	Remarks/Comments	Sample # (lab only)
Trip Blank-TMD-01	G	GW		4/16/15	—	1			✓											-08

Analysis / Container / Preservative

Chain of Custody Page 20 of 34

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

L# L760282

Table #

Acctnum: ARCADHTX

Template: T101497

Prelogin:

TSR: Pam Langford

PB:

Shipped Via:

* 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)
Scott Ude	4/17/15	1600	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)

Samples returned via: ☐ UPS ☑ FedEx ☐ Courier ☐ _____

Temp: 3.4 °C 74

Date: 4/18/15 Time: 0900

Condition: (lab use only) (ok) μ3

COC Seal Intact: ___Y ___N ___NA

pH Checked: 12 7/2 NCF:

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 Collected: Artesia, NM

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

TMD TX000836.0007.15006 — 7 SU

Lab Project # ARCADHTX-NAVAJO FULL

Collected by (print): Brian Hilling + HMI

Site/Facility ID #

P.O. #

Collected by (signature): Scott Uda

Immediately Iced? N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Next Day 100%
___ Two Day 50%
___ Three Day 25%

Date Results Needed

Email? ___No ___Yes
FAX? ___No ___Yes

Analysis / Container / Preservative

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-25	G	GW					✓		✓	✓		✓			✓	✓	✓	✓	SU	
* Added to 4/15/15 set per phone conversation b/w Pam Langford & Scott Uda,																				
4/17/15 14:10		SU		It was inadvertently left off 4/15/15 COC (sent 4/16/15)																

* logged to L760059-06 per NCF response on 4/17/15 (BT)

* 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)
Scott Uda	4/17/15	1600	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)

Samples returned via: ☐ UPS ☑ FedEx ☐ Courier ☐ ___

Temp: 2.4 °C 74

Date: 4/18/15 0900

Condition: (lab use only) (ok) MT

COC Seal Intact: ___Y ___N ___NA

pH Checked: 22 712

NCF:

Chain of Custody Page 28 of 34

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

L# L760282

Table #

Acctnum: ARCADHTX
Template:T101458
Prelogin:
TSR: Pam Langford
PB: 3.31 MT
Shipped Via:

ANALYTICAL REPORT

November 04, 2015

ARCADIS US - TX

Sample Delivery Group:	L782431
Samples Received:	08/12/2015
Project Number:	TX000825.0005
Description:	Navajo Refining Company - Artesia, NM

Report To:

Pam Krueger
2929 Briarpark Dr., Suite 300
Houston, TX 77042

Entire Report Reviewed By:

Pam Langford
Technical Service Representative

MW-138 (24) L782431-01 Solid

Collected by: Eric Bergersen
Collected date/time: 08/11/15 14:30
Received date/time: 08/12/15 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analysis Analyst
Mercury by Method 7471A	WG808817	1	08/13/15 10:10	08/15/15 12:46	RDS
Metals (ICPMS) by Method 6020	WG808799	5	08/17/15 16:23	08/19/15 22:06	JD
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG808903	1	08/13/15 14:27	08/14/15 04:14	ADF
Semi-Volatile Organic Compounds (GC) by Method 8015	WG809333	1	08/14/15 16:49	08/14/15 23:45	CMJ
Total Solids by Method 2540 G-2011	WG809134	1	08/14/15 14:38	08/15/15 08:39	KDW
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG809485	5	08/16/15 00:46	08/16/15 09:37	JHH
Volatile Organic Compounds (GC/MS) by Method 8260B	WG809942	5	08/18/15 12:09	08/18/15 18:07	JHH
Wet Chemistry by Method 9012B	WG808917	5	08/13/15 14:51	08/13/15 18:12	ASK

MW-138 (18) L782431-02 Solid

Collected by: Eric Bergersen
Collected date/time: 08/11/15 14:40
Received date/time: 08/12/15 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analysis Analyst
Mercury by Method 7471A	WG808817	1	08/13/15 10:10	08/15/15 12:49	RDS
Metals (ICPMS) by Method 6020	WG808799	5	08/17/15 16:23	08/19/15 23:06	JD
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG808903	5	08/13/15 14:27	08/14/15 07:44	ADF
Semi-Volatile Organic Compounds (GC) by Method 8015	WG809333	1	08/14/15 16:49	08/14/15 23:58	CMJ
Total Solids by Method 2540 G-2011	WG809134	1	08/14/15 14:38	08/15/15 08:39	KDW
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG809485	100	08/16/15 00:46	08/16/15 10:00	JHH
Volatile Organic Compounds (GC/MS) by Method 8260B	WG809942	50	08/18/15 12:09	08/18/15 18:24	JHH
Wet Chemistry by Method 9012B	WG808917	5	08/13/15 14:51	08/13/15 18:13	ASK

MW-138 (12) L782431-03 Solid

Collected by: Eric Bergersen
Collected date/time: 08/11/15 14:50
Received date/time: 08/12/15 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analysis Analyst
Mercury by Method 7471A	WG808817	1	08/13/15 10:10	08/15/15 12:51	RDS
Metals (ICPMS) by Method 6020	WG808799	5	08/17/15 16:23	08/19/15 23:09	JD
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG808903	10	08/13/15 14:27	08/14/15 08:07	ADF
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG808903	20	08/13/15 14:27	08/14/15 16:13	ADF
Semi-Volatile Organic Compounds (GC) by Method 8015	WG809333	100	08/14/15 16:49	08/17/15 21:00	CMJ
Semi-Volatile Organic Compounds (GC) by Method 8015	WG809333	50	08/14/15 16:49	08/15/15 00:23	CMJ
Total Solids by Method 2540 G-2011	WG809134	1	08/14/15 14:38	08/15/15 08:40	KDW
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG809485	500	08/16/15 00:46	08/16/15 10:23	JHH
Volatile Organic Compounds (GC/MS) by Method 8260B	WG809942	1000	08/18/15 12:09	08/18/15 18:41	JHH
Wet Chemistry by Method 9012B	WG808917	1	08/13/15 14:51	08/13/15 17:36	ASK

DUP-01 L782431-04 Solid

Collected by: Eric Bergersen
Collected date/time: 08/11/15 00:00
Received date/time: 08/12/15 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analysis Analyst
Mercury by Method 7471A	WG808817	1	08/13/15 10:10	08/15/15 12:54	RDS
Metals (ICPMS) by Method 6020	WG808799	5	08/17/15 16:23	08/19/15 23:11	JD
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG808903	1	08/13/15 14:27	08/14/15 05:24	ADF
Semi-Volatile Organic Compounds (GC) by Method 8015	WG809333	1	08/14/15 16:49	08/15/15 00:10	CMJ
Total Solids by Method 2540 G-2011	WG809134	1	08/14/15 14:38	08/15/15 08:40	KDW
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG809083	5	08/13/15 23:17	08/14/15 16:22	JHH
Volatile Organic Compounds (GC/MS) by Method 8260B	WG810235	5	08/19/15 14:51	08/19/15 18:07	JHH
Wet Chemistry by Method 9012B	WG809991	3	08/19/15 10:20	08/19/15 13:44	DR

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

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

Pam Langford
Technical Service Representative

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	73.0		1	08/15/2015 08:39	WG809134

Wet Chemistry by Method 9012B

Analyte	Result (dry)	Qualifier	MDL	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Cyanide	U		0.267	1.71	5	08/13/2015 18:12	WG808917

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.00636	J	0.00384	0.0274	1	08/15/2015 12:46	WG808817

Metals (ICPMS) by Method 6020

Analyte	Result (dry)	Qualifier	MDL	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Aluminum	2190	F	3.15	68.5	5	08/19/2015 22:06	WG808799
Antimony	U		0.144	0.685	5	08/19/2015 22:06	WG808799
Arsenic	1.75		0.0171	0.343	5	08/19/2015 22:06	WG808799
Barium	20.1		0.219	0.685	5	08/19/2015 22:06	WG808799
Beryllium	0.286	J	0.0822	0.343	5	08/19/2015 22:06	WG808799
Boron	2.68	J	0.520	13.7	5	08/19/2015 22:06	WG808799
Cadmium	0.193	J	0.110	0.685	5	08/19/2015 22:06	WG808799
Calcium	306000	* 4	15.8	685	5	08/19/2015 22:06	WG808799
Chromium	4.51		0.342	0.685	5	08/19/2015 22:06	WG808799
Cobalt	1.66		0.178	0.343	5	08/19/2015 22:06	WG808799
Copper	2.20		0.342	0.343	5	08/19/2015 22:06	WG808799
Iron	2090	F	16.4	68.5	5	08/19/2015 22:06	WG808799
Lead	4.67		0.164	0.343	5	08/19/2015 22:06	WG808799
Manganese	252	F	0.171	1.37	5	08/19/2015 22:06	WG808799
Nickel	3.02		0.240	0.343	5	08/19/2015 22:06	WG808799
Potassium	471	J	12.3	685	5	08/19/2015 22:06	WG808799
Selenium	U		0.260	0.685	5	08/19/2015 22:06	WG808799
Silver	U		0.171	1.37	5	08/19/2015 22:06	WG808799
Sodium	315	J	41.8	685	5	08/19/2015 22:06	WG808799
Uranium	0.401	J	0.110	6.85	5	08/19/2015 22:06	WG808799
Vanadium	9.16		0.123	0.343	5	08/19/2015 22:06	WG808799
Zinc	5.69		1.75	3.43	5	08/19/2015 22:06	WG808799

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

Analyte	Result (dry)	Qualifier	MDL	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	U		0.148	0.685	5	08/16/2015 09:37	WG809485
(S) a,a,a-Trifluorotoluene(FID)	*98.9*			*59.0-128*		*08/16/2015 09:37*	WG809485

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

Analyte	Result (dry)	Qualifier	MDL	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0737	J	0.0685	0.343	5	08/18/2015 18:07	WG809942
Benzene	U		0.00185	0.00685	5	08/18/2015 18:07	WG809942
Bromodichloromethane	U		0.00174	0.00685	5	08/18/2015 18:07	WG809942
Bromoform	U		0.00290	0.00685	5	08/18/2015 18:07	WG809942
Bromomethane	U		0.00918	0.0343	5	08/18/2015 18:07	WG809942
n-Butylbenzene	U		0.00177	0.00685	5	08/18/2015 18:07	WG809942

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

Analyte	Result (dry) mg/kg	Qualifier	MDL mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Carbon disulfide	U		0.00151	0.00685	5	08/18/2015 18:07	WG809942
Carbon tetrachloride	U		0.00225	0.00685	5	08/18/2015 18:07	WG809942
Chlorobenzene	U		0.00145	0.00685	5	08/18/2015 18:07	WG809942
Chlorodibromomethane	U		0.00255	0.00685	5	08/18/2015 18:07	WG809942
Chloroethane	U		0.00648	0.0343	5	08/18/2015 18:07	WG809942
Chloroform	U		0.00156	0.0343	5	08/18/2015 18:07	WG809942
Chloromethane	U		0.00258	0.0171	5	08/18/2015 18:07	WG809942
1,2-Dibromoethane	U		0.00236	0.00685	5	08/18/2015 18:07	WG809942
1,1-Dichloroethane	U		0.00136	0.00685	5	08/18/2015 18:07	WG809942
1,2-Dichloroethane	U		0.00181	0.00685	5	08/18/2015 18:07	WG809942
1,1-Dichloroethene	U		0.00208	0.00685	5	08/18/2015 18:07	WG809942
cis-1,2-Dichloroethene	U		0.00162	0.00685	5	08/18/2015 18:07	WG809942
trans-1,2-Dichloroethene	U		0.00181	0.00685	5	08/18/2015 18:07	WG809942
1,2-Dichloropropane	U		0.00245	0.00685	5	08/18/2015 18:07	WG809942
cis-1,3-Dichloropropene	U		0.00179	0.00685	5	08/18/2015 18:07	WG809942
trans-1,3-Dichloropropene	U		0.00184	0.00685	5	08/18/2015 18:07	WG809942
Ethylbenzene	U		0.00203	0.00685	5	08/18/2015 18:07	WG809942
Isopropylbenzene	U		0.00167	0.00685	5	08/18/2015 18:07	WG809942
p-Isopropyltoluene	U		0.00140	0.00685	5	08/18/2015 18:07	WG809942
2-Butanone (MEK)	U		0.0320	0.0685	5	08/18/2015 18:07	WG809942
2-Hexanone	U		0.00938	0.0685	5	08/18/2015 18:07	WG809942
4-Methyl-2-pentanone (MIBK)	U		0.0129	0.0685	5	08/18/2015 18:07	WG809942
Methyl tert-butyl ether	U		0.00145	0.00685	5	08/18/2015 18:07	WG809942
Methylene Chloride	U		0.00685	0.0343	5	08/18/2015 18:07	WG809942
Naphthalene	U		0.00685	0.0343	5	08/18/2015 18:07	WG809942
n-Propylbenzene	U		0.00141	0.00685	5	08/18/2015 18:07	WG809942
Styrene	U		0.00160	0.00685	5	08/18/2015 18:07	WG809942
1,1,2,2-Tetrachloroethane	U		0.00249	0.00685	5	08/18/2015 18:07	WG809942
Tetrachloroethene	U		0.00189	0.00685	5	08/18/2015 18:07	WG809942
Toluene	U		0.00297	0.0343	5	08/18/2015 18:07	WG809942
1,1,1-Trichloroethane	U		0.00196	0.00685	5	08/18/2015 18:07	WG809942
1,1,2-Trichloroethane	U		0.00189	0.00685	5	08/18/2015 18:07	WG809942
Trichloroethene	U		0.00192	0.00685	5	08/18/2015 18:07	WG809942
sec-Butylbenzene	U		0.00137	0.00685	5	08/18/2015 18:07	WG809942
1,2,4-Trimethylbenzene	U		0.00145	0.00685	5	08/18/2015 18:07	WG809942
Vinyl chloride	U		0.00200	0.00685	5	08/18/2015 18:07	WG809942
1,3,5-Trimethylbenzene	U		0.00182	0.00685	5	08/18/2015 18:07	WG809942
Xylenes, Total	U		0.00478	0.0206	5	08/18/2015 18:07	WG809942
o-Xylene	U		0.00251	0.00685	5	08/18/2015 18:07	WG809942
m&p-Xylene	U		0.00227	0.00685	5	08/18/2015 18:07	WG809942
(S) Toluene-d8	*100*			*88.7-115*		*08/18/2015 18:07*	WG809942
(S) Dibromofluoromethane	*91.2*			*76.3-123*		*08/18/2015 18:07*	WG809942
(S) 4-Bromofluorobenzene	*104*			*69.7-129*		*08/18/2015 18:07*	WG809942

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	8.42		2.20	5.48	1	08/14/2015 23:45	WG809333
C28-C40 Oil Range	U		0.375	5.48	1	08/14/2015 23:45	WG809333
(S) o-Terphenyl	*86.7*			*50.0-150*		*08/14/2015 23:45*	WG809333

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

Analyte	Result (dry) mg/kg	Qualifier	MDL mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.00879	0.0452	1	08/14/2015 04:14	WG808903
Acenaphthylene	U		0.00919	0.0452	1	08/14/2015 04:14	WG808903
Acetophenone	U		0.103	0.456	1	08/14/2015 04:14	WG808903
Anthracene	U		0.00866	0.0452	1	08/14/2015 04:14	WG808903
Atrazine	U		0.128	0.456	1	08/14/2015 04:14	WG808903
Benzaldehyde	U		0.0729	0.456	1	08/14/2015 04:14	WG808903
Benzo(a)anthracene	U		0.00586	0.0452	1	08/14/2015 04:14	WG808903
Benzo(b)fluoranthene	U		0.00952	0.0452	1	08/14/2015 04:14	WG808903
Benzo(k)fluoranthene	U		0.00797	0.0452	1	08/14/2015 04:14	WG808903
Benzo(g,h,i)perylene	U		0.00988	0.0452	1	08/14/2015 04:14	WG808903
Benzo(a)pyrene	U		0.00751	0.0452	1	08/14/2015 04:14	WG808903
Biphenyl	U		0.00805	0.456	1	08/14/2015 04:14	WG808903
Bis(2-chlorethoxy)methane	U		0.0105	0.456	1	08/14/2015 04:14	WG808903
Bis(2-chloroethyl)ether	U		0.0123	0.456	1	08/14/2015 04:14	WG808903
Bis(2-chloroisopropyl)ether	U		0.0104	0.456	1	08/14/2015 04:14	WG808903
4-Bromophenyl-phenylether	U		0.0156	0.456	1	08/14/2015 04:14	WG808903
2-Chloronaphthalene	U		0.00875	0.0452	1	08/14/2015 04:14	WG808903
Caprolactam	U		0.142	0.456	1	08/14/2015 04:14	WG808903
Carbazole	U		0.00718	0.456	1	08/14/2015 04:14	WG808903
4-Chloroaniline	U		0.0482	0.456	1	08/14/2015 04:14	WG808903
4-Chlorophenyl-phenylether	U		0.00859	0.456	1	08/14/2015 04:14	WG808903
Chrysene	U		0.00760	0.0452	1	08/14/2015 04:14	WG808903
Dibenz(a,h)anthracene	U		0.0112	0.0452	1	08/14/2015 04:14	WG808903
Dibenzofuran	U		0.00710	0.0452	1	08/14/2015 04:14	WG808903
3,3-Dichlorobenzidine	U		0.109	0.456	1	08/14/2015 04:14	WG808903
2,4-Dinitrotoluene	U		0.00832	0.456	1	08/14/2015 04:14	WG808903
2,6-Dinitrotoluene	U		0.0101	0.456	1	08/14/2015 04:14	WG808903
Fluoranthene	U		0.00679	0.0452	1	08/14/2015 04:14	WG808903
Fluorene	U		0.00934	0.0452	1	08/14/2015 04:14	WG808903
Hexachlorobenzene	U		0.0117	0.456	1	08/14/2015 04:14	WG808903
Hexachloro-1,3-butadiene	U		0.0137	0.456	1	08/14/2015 04:14	WG808903
2-Methylphenol	U		0.0135	0.456	1	08/14/2015 04:14	WG808903
3&4-Methyl Phenol	U		0.0107	0.456	1	08/14/2015 04:14	WG808903
Hexachlorocyclopentadiene	U		0.0804	0.456	1	08/14/2015 04:14	WG808903
Hexachloroethane	U		0.0184	0.456	1	08/14/2015 04:14	WG808903
Indeno(1,2,3-cd)pyrene	U		0.0106	0.0452	1	08/14/2015 04:14	WG808903
Isophorone	U		0.00715	0.456	1	08/14/2015 04:14	WG808903
Naphthalene	U		0.0122	0.0452	1	08/14/2015 04:14	WG808903
1-Methylnaphthalene	U		0.0151	0.0452	1	08/14/2015 04:14	WG808903
2-Methylnaphthalene	U		0.0118	0.0452	1	08/14/2015 04:14	WG808903
Nitrobenzene	U		0.00952	0.456	1	08/14/2015 04:14	WG808903
2-Nitroaniline	U		0.0103	0.456	1	08/14/2015 04:14	WG808903
3-Nitroaniline	U		0.0116	0.456	1	08/14/2015 04:14	WG808903
4-Nitroaniline	U		0.00875	0.456	1	08/14/2015 04:14	WG808903
n-Nitrosodimethylamine	U		0.0886	0.456	1	08/14/2015 04:14	WG808903
n-Nitrosodiphenylamine	U		0.00814	0.456	1	08/14/2015 04:14	WG808903
n-Nitrosodi-n-propylamine	U		0.0124	0.456	1	08/14/2015 04:14	WG808903
Phenanthrene	U		0.00723	0.0452	1	08/14/2015 04:14	WG808903
Benzylbutyl phthalate	U		0.0141	0.456	1	08/14/2015 04:14	WG808903
Bis(2-ethylhexyl)phthalate	U		0.0164	0.456	1	08/14/2015 04:14	WG808903
Di-n-butyl phthalate	U		0.0149	0.456	1	08/14/2015 04:14	WG808903
Diethyl phthalate	U		0.00946	0.456	1	08/14/2015 04:14	WG808903
Dimethyl phthalate	U		0.00740	0.456	1	08/14/2015 04:14	WG808903
Di-n-octyl phthalate	U		0.0124	0.456	1	08/14/2015 04:14	WG808903
Pyrene	U		0.0168	0.0452	1	08/14/2015 04:14	WG808903
4-Chloro-3-methylphenol	U		0.00653	0.456	1	08/14/2015 04:14	WG808903

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

Analyte	Result (dry) mg/kg	Qualifier	MDL mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2-Chlorophenol	U		0.0114	0.456	1	08/14/2015 04:14	WG808903
2,4-Dichlorophenol	U		0.0102	0.456	1	08/14/2015 04:14	WG808903
2,4-Dimethylphenol	U		0.0645	0.456	1	08/14/2015 04:14	WG808903
4,6-Dinitro-2-methylphenol	U		0.170	0.456	1	08/14/2015 04:14	WG808903
2,4-Dinitrophenol	U		0.134	0.456	1	08/14/2015 04:14	WG808903
2-Nitrophenol	U		0.0178	0.456	1	08/14/2015 04:14	WG808903
4-Nitrophenol	U		0.0719	0.456	1	08/14/2015 04:14	WG808903
Pentachlorophenol	U		0.0658	0.456	1	08/14/2015 04:14	WG808903
Phenol	0.0112	J	0.00952	0.456	1	08/14/2015 04:14	WG808903
2,4,5-Trichlorophenol	U		0.0142	0.456	1	08/14/2015 04:14	WG808903
2,4,6-Trichlorophenol	U		0.0107	0.456	1	08/14/2015 04:14	WG808903
(S) 2-Fluorophenol	*77.7*			*21.1-116*		*08/14/2015 04:14*	WG808903
(S) Phenol-d5	*68.3*			*26.3-121*		*08/14/2015 04:14*	WG808903
(S) Nitrobenzene-d5	*66.0*			*21.9-129*		*08/14/2015 04:14*	WG808903
(S) 2-Fluorobiphenyl	*77.6*			*34.9-129*		*08/14/2015 04:14*	WG808903
(S) 2,4,6-Tribromophenol	*82.0*			*21.6-142*		*08/14/2015 04:14*	WG808903
(S) p-Terphenyl-d14	*77.4*			*21.5-128*		*08/14/2015 04:14*	WG808903

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	77.5		1	08/15/2015 08:39	WG809134

Wet Chemistry by Method 9012B

Analyte	Result (dry)	Qualifier	MDL	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Cyanide	U		0.252	1.61	5	08/13/2015 18:13	WG808917

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.00410	J	0.00361	0.0258	1	08/15/2015 12:49	WG808817

Metals (ICPMS) by Method 6020

Analyte	Result (dry)	Qualifier	MDL	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Aluminum	3200		2.97	64.5	5	08/19/2015 23:06	WG808799
Antimony	U		0.135	0.645	5	08/19/2015 23:06	WG808799
Arsenic	2.36		0.0161	0.323	5	08/19/2015 23:06	WG808799
Barium	17.4		0.206	0.645	5	08/19/2015 23:06	WG808799
Beryllium	0.650		0.0774	0.323	5	08/19/2015 23:06	WG808799
Boron	U		0.490	12.9	5	08/19/2015 23:06	WG808799
Cadmium	0.168	J	0.103	0.645	5	08/19/2015 23:06	WG808799
Calcium	159000	*	14.8	645	5	08/19/2015 23:06	WG808799
Chromium	4.04		0.322	0.645	5	08/19/2015 23:06	WG808799
Cobalt	6.06		0.168	0.323	5	08/19/2015 23:06	WG808799
Copper	3.03		0.322	0.323	5	08/19/2015 23:06	WG808799
Iron	2830		15.5	64.5	5	08/19/2015 23:06	WG808799
Lead	9.43		0.155	0.323	5	08/19/2015 23:06	WG808799
Manganese	72.3		0.161	1.29	5	08/19/2015 23:06	WG808799
Nickel	5.05		0.226	0.323	5	08/19/2015 23:06	WG808799
Potassium	659		11.6	645	5	08/19/2015 23:06	WG808799
Selenium	0.488	J	0.245	0.645	5	08/19/2015 23:06	WG808799
Silver	U		0.161	1.29	5	08/19/2015 23:06	WG808799
Sodium	680		39.4	645	5	08/19/2015 23:06	WG808799
Uranium	0.327	J	0.103	6.45	5	08/19/2015 23:06	WG808799
Vanadium	9.54		0.116	0.323	5	08/19/2015 23:06	WG808799
Zinc	11.3		1.65	3.23	5	08/19/2015 23:06	WG808799

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

Analyte	Result (dry)	Qualifier	MDL	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	390		2.80	12.9	100	08/16/2015 10:00	WG809485
(S) a,a,a-Trifluorotoluene(FID)	*83.6*			*59.0-128*		*08/16/2015 10:00*	WG809485

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

Analyte	Result (dry)	Qualifier	MDL	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.645	3.23	50	08/18/2015 18:24	WG809942
Benzene	0.648		0.0174	0.0645	50	08/18/2015 18:24	WG809942
Bromodichloromethane	U		0.0164	0.0645	50	08/18/2015 18:24	WG809942
Bromoform	U		0.0274	0.0645	50	08/18/2015 18:24	WG809942
Bromomethane	U		0.0864	0.323	50	08/18/2015 18:24	WG809942
n-Butylbenzene	2.39		0.0166	0.0645	50	08/18/2015 18:24	WG809942

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

Analyte	Result (dry) mg/kg	Qualifier	MDL mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Carbon disulfide	U		0.0142	0.0645	50	08/18/2015 18:24	WG809942
Carbon tetrachloride	U		0.0212	0.0645	50	08/18/2015 18:24	WG809942
Chlorobenzene	U		0.0137	0.0645	50	08/18/2015 18:24	WG809942
Chlorodibromomethane	U		0.0240	0.0645	50	08/18/2015 18:24	WG809942
Chloroethane	U		0.0610	0.323	50	08/18/2015 18:24	WG809942
Chloroform	U		0.0147	0.323	50	08/18/2015 18:24	WG809942
Chloromethane	U		0.0242	0.161	50	08/18/2015 18:24	WG809942
1,2-Dibromoethane	U		0.0222	0.0645	50	08/18/2015 18:24	WG809942
1,1-Dichloroethane	U		0.0128	0.0645	50	08/18/2015 18:24	WG809942
1,2-Dichloroethane	U		0.0170	0.0645	50	08/18/2015 18:24	WG809942
1,1-Dichloroethene	U		0.0196	0.0645	50	08/18/2015 18:24	WG809942
cis-1,2-Dichloroethene	U		0.0152	0.0645	50	08/18/2015 18:24	WG809942
trans-1,2-Dichloroethene	U		0.0170	0.0645	50	08/18/2015 18:24	WG809942
1,2-Dichloropropane	U		0.0231	0.0645	50	08/18/2015 18:24	WG809942
cis-1,3-Dichloropropene	U		0.0169	0.0645	50	08/18/2015 18:24	WG809942
trans-1,3-Dichloropropene	U		0.0173	0.0645	50	08/18/2015 18:24	WG809942
Ethylbenzene	3.14		0.0191	0.0645	50	08/18/2015 18:24	WG809942
Isopropylbenzene	1.89		0.0157	0.0645	50	08/18/2015 18:24	WG809942
p-Isopropyltoluene	0.236		0.0132	0.0645	50	08/18/2015 18:24	WG809942
2-Butanone (MEK)	U		0.302	0.645	50	08/18/2015 18:24	WG809942
2-Hexanone	U		0.0884	0.645	50	08/18/2015 18:24	WG809942
4-Methyl-2-pentanone (MIBK)	U		0.121	0.645	50	08/18/2015 18:24	WG809942
Methyl tert-butyl ether	U		0.0137	0.0645	50	08/18/2015 18:24	WG809942
Methylene Chloride	U		0.0645	0.323	50	08/18/2015 18:24	WG809942
Naphthalene	2.16		0.0645	0.323	50	08/18/2015 18:24	WG809942
n-Propylbenzene	4.33		0.0133	0.0645	50	08/18/2015 18:24	WG809942
Styrene	U		0.0151	0.0645	50	08/18/2015 18:24	WG809942
1,1,2,2-Tetrachloroethane	U		0.0235	0.0645	50	08/18/2015 18:24	WG809942
Tetrachloroethene	U		0.0178	0.0645	50	08/18/2015 18:24	WG809942
Toluene	0.0586	J	0.0280	0.323	50	08/18/2015 18:24	WG809942
1,1,1-Trichloroethane	U		0.0184	0.0645	50	08/18/2015 18:24	WG809942
1,1,2-Trichloroethane	U		0.0178	0.0645	50	08/18/2015 18:24	WG809942
Trichloroethene	U		0.0181	0.0645	50	08/18/2015 18:24	WG809942
sec-Butylbenzene	1.43		0.0129	0.0645	50	08/18/2015 18:24	WG809942
1,2,4-Trimethylbenzene	U		0.0137	0.0645	50	08/18/2015 18:24	WG809942
Vinyl chloride	U		0.0188	0.0645	50	08/18/2015 18:24	WG809942
1,3,5-Trimethylbenzene	0.119		0.0172	0.0645	50	08/18/2015 18:24	WG809942
Xylenes, Total	0.205		0.0450	0.194	50	08/18/2015 18:24	WG809942
o-Xylene	0.0492	J	0.0236	0.0645	50	08/18/2015 18:24	WG809942
m&p-Xylene	0.156		0.0214	0.0645	50	08/18/2015 18:24	WG809942
(S) Toluene-d8	*98.0*			*88.7-115*		*08/18/2015 18:24*	WG809942
(S) Dibromofluoromethane	*88.8*			*76.3-123*		*08/18/2015 18:24*	WG809942
(S) 4-Bromofluorobenzene	*96.8*			*69.7-129*		*08/18/2015 18:24*	WG809942

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	248		2.08	5.16	1	08/14/2015 23:58	WG809333
C28-C40 Oil Range	4.07	J	0.354	5.16	1	08/14/2015 23:58	WG809333
(S) o-Terphenyl	*96.8*			*50.0-150*		*08/14/2015 23:58*	WG809333

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

Analyte	Result (dry) mg/kg	Qualifier	MDL mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	0.179	J	0.0414	0.213	5	08/14/2015 07:44	WG808903
Acenaphthylene	U		0.0434	0.213	5	08/14/2015 07:44	WG808903
Acetophenone	U		0.485	2.15	5	08/14/2015 07:44	WG808903
Anthracene	U		0.0408	0.213	5	08/14/2015 07:44	WG808903
Atrazine	U		0.605	2.15	5	08/14/2015 07:44	WG808903
Benzaldehyde	U		0.343	2.15	5	08/14/2015 07:44	WG808903
Benzo(a)anthracene	U		0.0276	0.213	5	08/14/2015 07:44	WG808903
Benzo(b)fluoranthene	U		0.0449	0.213	5	08/14/2015 07:44	WG808903
Benzo(k)fluoranthene	U		0.0375	0.213	5	08/14/2015 07:44	WG808903
Benzo(g,h,i)perylene	U		0.0464	0.213	5	08/14/2015 07:44	WG808903
Benzo(a)pyrene	U		0.0354	0.213	5	08/14/2015 07:44	WG808903
Biphenyl	0.287	J	0.0379	2.15	5	08/14/2015 07:44	WG808903
Bis(2-chlorethoxy)methane	U		0.0497	2.15	5	08/14/2015 07:44	WG808903
Bis(2-chloroethyl)ether	U		0.0578	2.15	5	08/14/2015 07:44	WG808903
Bis(2-chloroisopropyl)ether	U		0.0490	2.15	5	08/14/2015 07:44	WG808903
4-Bromophenyl-phenylether	U		0.0735	2.15	5	08/14/2015 07:44	WG808903
2-Chloronaphthalene	U		0.0413	0.213	5	08/14/2015 07:44	WG808903
Caprolactam	1.10	J	0.671	2.15	5	08/14/2015 07:44	WG808903
Carbazole	U		0.0338	2.15	5	08/14/2015 07:44	WG808903
4-Chloroaniline	U		0.227	2.15	5	08/14/2015 07:44	WG808903
4-Chlorophenyl-phenylether	U		0.0405	2.15	5	08/14/2015 07:44	WG808903
Chrysene	U		0.0359	0.213	5	08/14/2015 07:44	WG808903
Dibenz(a,h)anthracene	U		0.0529	0.213	5	08/14/2015 07:44	WG808903
Dibenzofuran	0.194	J	0.0334	0.213	5	08/14/2015 07:44	WG808903
3,3-Dichlorobenzidine	U		0.512	2.15	5	08/14/2015 07:44	WG808903
2,4-Dinitrotoluene	U		0.0392	2.15	5	08/14/2015 07:44	WG808903
2,6-Dinitrotoluene	U		0.0475	2.15	5	08/14/2015 07:44	WG808903
Fluoranthene	U		0.0320	0.213	5	08/14/2015 07:44	WG808903
Fluorene	0.206	J	0.0440	0.213	5	08/14/2015 07:44	WG808903
Hexachlorobenzene	U		0.0552	2.15	5	08/14/2015 07:44	WG808903
Hexachloro-1,3-butadiene	U		0.0645	2.15	5	08/14/2015 07:44	WG808903
2-Methylphenol	U		0.0636	2.15	5	08/14/2015 07:44	WG808903
3&4-Methyl Phenol	U		0.0506	2.15	5	08/14/2015 07:44	WG808903
Hexachlorocyclopentadiene	U		0.379	2.15	5	08/14/2015 07:44	WG808903
Hexachloroethane	U		0.0864	2.15	5	08/14/2015 07:44	WG808903
Indeno(1,2,3-cd)pyrene	U		0.0498	0.213	5	08/14/2015 07:44	WG808903
Isophorone	0.144	J	0.0337	2.15	5	08/14/2015 07:44	WG808903
Naphthalene	1.57		0.0573	0.213	5	08/14/2015 07:44	WG808903
1-Methylnaphthalene	1.98		0.0710	0.213	5	08/14/2015 07:44	WG808903
2-Methylnaphthalene	2.12		0.0555	0.213	5	08/14/2015 07:44	WG808903
Nitrobenzene	U		0.0449	2.15	5	08/14/2015 07:44	WG808903
2-Nitroaniline	U		0.0488	2.15	5	08/14/2015 07:44	WG808903
3-Nitroaniline	U		0.0548	2.15	5	08/14/2015 07:44	WG808903
4-Nitroaniline	U		0.0413	2.15	5	08/14/2015 07:44	WG808903
n-Nitrosodimethylamine	U		0.418	2.15	5	08/14/2015 07:44	WG808903
n-Nitrosodiphenylamine	U		0.0383	2.15	5	08/14/2015 07:44	WG808903
n-Nitrosodi-n-propylamine	U		0.0584	2.15	5	08/14/2015 07:44	WG808903
Phenanthrene	0.363		0.0341	0.213	5	08/14/2015 07:44	WG808903
Benzylbutyl phthalate	U		0.0664	2.15	5	08/14/2015 07:44	WG808903
Bis(2-ethylhexyl)phthalate	U		0.0774	2.15	5	08/14/2015 07:44	WG808903
Di-n-butyl phthalate	U		0.0703	2.15	5	08/14/2015 07:44	WG808903
Diethyl phthalate	U		0.0446	2.15	5	08/14/2015 07:44	WG808903
Dimethyl phthalate	U		0.0348	2.15	5	08/14/2015 07:44	WG808903
Di-n-octyl phthalate	U		0.0586	2.15	5	08/14/2015 07:44	WG808903
Pyrene	U		0.0794	0.213	5	08/14/2015 07:44	WG808903
4-Chloro-3-methylphenol	U		0.0307	2.15	5	08/14/2015 07:44	WG808903

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

Analyte	Result (dry) mg/kg	Qualifier	MDL mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2-Chlorophenol	U		0.0537	2.15	5	08/14/2015 07:44	WG808903
2,4-Dichlorophenol	U		0.0481	2.15	5	08/14/2015 07:44	WG808903
2,4-Dimethylphenol	U		0.304	2.15	5	08/14/2015 07:44	WG808903
4,6-Dinitro-2-methylphenol	U		0.800	2.15	5	08/14/2015 07:44	WG808903
2,4-Dinitrophenol	U		0.632	2.15	5	08/14/2015 07:44	WG808903
2-Nitrophenol	U		0.0839	2.15	5	08/14/2015 07:44	WG808903
4-Nitrophenol	U		0.338	2.15	5	08/14/2015 07:44	WG808903
Pentachlorophenol	U		0.310	2.15	5	08/14/2015 07:44	WG808903
Phenol	0.217	J	0.0449	2.15	5	08/14/2015 07:44	WG808903
2,4,5-Trichlorophenol	U		0.0671	2.15	5	08/14/2015 07:44	WG808903
2,4,6-Trichlorophenol	U		0.0503	2.15	5	08/14/2015 07:44	WG808903
(S) 2-Fluorophenol	*64.5*			*21.1-116*		*08/14/2015 07:44*	WG808903
(S) Phenol-d5	*57.2*			*26.3-121*		*08/14/2015 07:44*	WG808903
(S) Nitrobenzene-d5	*69.3*			*21.9-129*		*08/14/2015 07:44*	WG808903
(S) 2-Fluorobiphenyl	*70.4*			*34.9-129*		*08/14/2015 07:44*	WG808903
(S) 2,4,6-Tribromophenol	*63.8*			*21.6-142*		*08/14/2015 07:44*	WG808903
(S) p-Terphenyl-d14	*57.1*			*21.5-128*		*08/14/2015 07:44*	WG808903

Sample Narrative:

8270C L782431-02 WG808903: Dilution due to matrix

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	81.3		1	08/15/2015 08:40	WG809134

Wet Chemistry by Method 9012B

Analyte	Result (dry)	Qualifier	MDL	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Cyanide	U		0.0480	0.307	1	08/13/2015 17:36	WG808917

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	U		0.00344	0.0246	1	08/15/2015 12:51	WG808817

Metals (ICPMS) by Method 6020

Analyte	Result (dry)	Qualifier	MDL	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Aluminum	1210		2.83	61.5	5	08/19/2015 23:09	WG808799
Antimony	U		0.129	0.615	5	08/19/2015 23:09	WG808799
Arsenic	2.51		0.0154	0.307	5	08/19/2015 23:09	WG808799
Barium	39.6		0.197	0.615	5	08/19/2015 23:09	WG808799
Beryllium	0.202	J	0.0738	0.307	5	08/19/2015 23:09	WG808799
Boron	U		0.467	12.3	5	08/19/2015 23:09	WG808799
Cadmium	0.155	J	0.0984	0.615	5	08/19/2015 23:09	WG808799
Calcium	327000	*	14.1	615	5	08/19/2015 23:09	WG808799
Chromium	3.83		0.308	0.615	5	08/19/2015 23:09	WG808799
Cobalt	2.11		0.160	0.307	5	08/19/2015 23:09	WG808799
Copper	1.68		0.308	0.307	5	08/19/2015 23:09	WG808799
Iron	3720		14.8	61.5	5	08/19/2015 23:09	WG808799
Lead	3.35		0.148	0.307	5	08/19/2015 23:09	WG808799
Manganese	198		0.154	1.23	5	08/19/2015 23:09	WG808799
Nickel	3.81		0.215	0.307	5	08/19/2015 23:09	WG808799
Potassium	265	J	11.1	615	5	08/19/2015 23:09	WG808799
Selenium	U		0.234	0.615	5	08/19/2015 23:09	WG808799
Silver	U		0.154	1.23	5	08/19/2015 23:09	WG808799
Sodium	354	J	37.5	615	5	08/19/2015 23:09	WG808799
Uranium	0.484	J	0.0984	6.15	5	08/19/2015 23:09	WG808799
Vanadium	11.4		0.111	0.307	5	08/19/2015 23:09	WG808799
Zinc	5.42		1.57	3.07	5	08/19/2015 23:09	WG808799

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

Analyte	Result (dry)	Qualifier	MDL	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	2380		13.3	61.5	500	08/16/2015 10:23	WG809485
(S) a,a,a-Trifluorotoluene(FID)	*82.9*			*59.0-128*		*08/16/2015 10:23*	WG809485

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

Analyte	Result (dry)	Qualifier	MDL	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		12.3	61.5	1000	08/18/2015 18:41	WG809942
Benzene	14.2		0.332	1.23	1000	08/18/2015 18:41	WG809942
Bromodichloromethane	U		0.312	1.23	1000	08/18/2015 18:41	WG809942
Bromoform	U		0.522	1.23	1000	08/18/2015 18:41	WG809942
Bromomethane	U		1.65	6.15	1000	08/18/2015 18:41	WG809942
n-Butylbenzene	17.8		0.317	1.23	1000	08/18/2015 18:41	WG809942

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

Analyte	Result (dry) mg/kg	Qualifier	MDL mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Carbon disulfide	U		0.272	1.23	1000	08/18/2015 18:41	WG809942
Carbon tetrachloride	U		0.403	1.23	1000	08/18/2015 18:41	WG809942
Chlorobenzene	U		0.261	1.23	1000	08/18/2015 18:41	WG809942
Chlorodibromomethane	U		0.459	1.23	1000	08/18/2015 18:41	WG809942
Chloroethane	U		1.16	6.15	1000	08/18/2015 18:41	WG809942
Chloroform	U		0.282	6.15	1000	08/18/2015 18:41	WG809942
Chloromethane	U		0.461	3.07	1000	08/18/2015 18:41	WG809942
1,2-Dibromoethane	U		0.422	1.23	1000	08/18/2015 18:41	WG809942
1,1-Dichloroethane	U		0.245	1.23	1000	08/18/2015 18:41	WG809942
1,2-Dichloroethane	U		0.326	1.23	1000	08/18/2015 18:41	WG809942
1,1-Dichloroethene	U		0.373	1.23	1000	08/18/2015 18:41	WG809942
cis-1,2-Dichloroethene	U		0.289	1.23	1000	08/18/2015 18:41	WG809942
trans-1,2-Dichloroethene	U		0.325	1.23	1000	08/18/2015 18:41	WG809942
1,2-Dichloropropane	U		0.440	1.23	1000	08/18/2015 18:41	WG809942
cis-1,3-Dichloropropene	U		0.322	1.23	1000	08/18/2015 18:41	WG809942
trans-1,3-Dichloropropene	U		0.328	1.23	1000	08/18/2015 18:41	WG809942
Ethylbenzene	111		0.365	1.23	1000	08/18/2015 18:41	WG809942
Isopropylbenzene	22.6		0.299	1.23	1000	08/18/2015 18:41	WG809942
p-Isopropyltoluene	6.42		0.251	1.23	1000	08/18/2015 18:41	WG809942
2-Butanone (MEK)	U		5.76	12.3	1000	08/18/2015 18:41	WG809942
2-Hexanone	U		1.68	12.3	1000	08/18/2015 18:41	WG809942
4-Methyl-2-pentanone (MIBK)	U		2.31	12.3	1000	08/18/2015 18:41	WG809942
Methyl tert-butyl ether	U		0.261	1.23	1000	08/18/2015 18:41	WG809942
Methylene Chloride	U		1.23	6.15	1000	08/18/2015 18:41	WG809942
Naphthalene	20.2		1.23	6.15	1000	08/18/2015 18:41	WG809942
n-Propylbenzene	43.0		0.253	1.23	1000	08/18/2015 18:41	WG809942
Styrene	U		0.288	1.23	1000	08/18/2015 18:41	WG809942
1,1,2,2-Tetrachloroethane	U		0.449	1.23	1000	08/18/2015 18:41	WG809942
Tetrachloroethene	U		0.339	1.23	1000	08/18/2015 18:41	WG809942
Toluene	18.2		0.534	6.15	1000	08/18/2015 18:41	WG809942
1,1,1-Trichloroethane	U		0.352	1.23	1000	08/18/2015 18:41	WG809942
1,1,2-Trichloroethane	U		0.341	1.23	1000	08/18/2015 18:41	WG809942
Trichloroethene	U		0.343	1.23	1000	08/18/2015 18:41	WG809942
sec-Butylbenzene	15.6		0.247	1.23	1000	08/18/2015 18:41	WG809942
1,2,4-Trimethylbenzene	104		0.260	1.23	1000	08/18/2015 18:41	WG809942
Vinyl chloride	U		0.358	1.23	1000	08/18/2015 18:41	WG809942
1,3,5-Trimethylbenzene	26.7		0.327	1.23	1000	08/18/2015 18:41	WG809942
Xylenes, Total	60.1		0.858	3.69	1000	08/18/2015 18:41	WG809942
o-Xylene	20.7		0.450	1.23	1000	08/18/2015 18:41	WG809942
m&p-Xylene	39.3		0.408	1.23	1000	08/18/2015 18:41	WG809942
(S) Toluene-d8	*101*			*88.7-115*		*08/18/2015 18:41*	WG809942
(S) Dibromofluoromethane	*89.4*			*76.3-123*		*08/18/2015 18:41*	WG809942
(S) 4-Bromofluorobenzene	*103*			*69.7-129*		*08/18/2015 18:41*	WG809942

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	28200		198	492	100	08/17/2015 21:00	WG809333
C28-C40 Oil Range	489		16.8	246	50	08/15/2015 00:23	WG809333
(S) o-Terphenyl	*0.000*	X		*50.0-150*		*08/15/2015 00:23*	WG809333

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

Analyte	Result (dry) mg/kg	Qualifier	MDL mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	3.62		0.0790	0.406	10	08/14/2015 08:07	WG808903
Acenaphthylene	0.806		0.0825	0.406	10	08/14/2015 08:07	WG808903
Acetophenone	U		0.925	4.09	10	08/14/2015 08:07	WG808903
Anthracene	0.632		0.0777	0.406	10	08/14/2015 08:07	WG808903
Atrazine	U		1.15	4.09	10	08/14/2015 08:07	WG808903
Benzaldehyde	U		0.654	4.09	10	08/14/2015 08:07	WG808903
Benzo(a)anthracene	0.200	J	0.0526	0.406	10	08/14/2015 08:07	WG808903
Benzo(b)fluoranthene	U		0.0855	0.406	10	08/14/2015 08:07	WG808903
Benzo(k)fluoranthene	U		0.0716	0.406	10	08/14/2015 08:07	WG808903
Benzo(g,h,i)perylene	U		0.0887	0.406	10	08/14/2015 08:07	WG808903
Benzo(a)pyrene	U		0.0674	0.406	10	08/14/2015 08:07	WG808903
Biphenyl	10.9		0.0723	4.09	10	08/14/2015 08:07	WG808903
Bis(2-chlorethoxy)methane	U		0.0947	4.09	10	08/14/2015 08:07	WG808903
Bis(2-chloroethyl)ether	U		0.110	4.09	10	08/14/2015 08:07	WG808903
Bis(2-chloroisopropyl)ether	U		0.0935	4.09	10	08/14/2015 08:07	WG808903
4-Bromophenyl-phenylether	U		0.140	4.09	10	08/14/2015 08:07	WG808903
2-Chloronaphthalene	U		0.0786	0.406	10	08/14/2015 08:07	WG808903
Caprolactam	U		1.28	4.09	10	08/14/2015 08:07	WG808903
Carbazole	U		0.0644	4.09	10	08/14/2015 08:07	WG808903
4-Chloroaniline	U		0.433	4.09	10	08/14/2015 08:07	WG808903
4-Chlorophenyl-phenylether	U		0.0771	4.09	10	08/14/2015 08:07	WG808903
Chrysene	0.266	J	0.0683	0.406	10	08/14/2015 08:07	WG808903
Dibenz(a,h)anthracene	U		0.101	0.406	10	08/14/2015 08:07	WG808903
Dibenzofuran	6.74		0.0637	0.406	10	08/14/2015 08:07	WG808903
3,3-Dichlorobenzidine	U		0.977	4.09	10	08/14/2015 08:07	WG808903
2,4-Dinitrotoluene	U		0.0747	4.09	10	08/14/2015 08:07	WG808903
2,6-Dinitrotoluene	U		0.0906	4.09	10	08/14/2015 08:07	WG808903
Fluoranthene	0.255	J	0.0610	0.406	10	08/14/2015 08:07	WG808903
Fluorene	6.16		0.0839	0.406	10	08/14/2015 08:07	WG808903
Hexachlorobenzene	U		0.105	4.09	10	08/14/2015 08:07	WG808903
Hexachloro-1,3-butadiene	U		0.123	4.09	10	08/14/2015 08:07	WG808903
2-Methylphenol	U		0.121	4.09	10	08/14/2015 08:07	WG808903
3&4-Methyl Phenol	U		0.0963	4.09	10	08/14/2015 08:07	WG808903
Hexachlorocyclopentadiene	U		0.722	4.09	10	08/14/2015 08:07	WG808903
Hexachloroethane	U		0.165	4.09	10	08/14/2015 08:07	WG808903
Indeno(1,2,3-cd)pyrene	U		0.0950	0.406	10	08/14/2015 08:07	WG808903
Isophorone	7.05		0.0642	4.09	10	08/14/2015 08:07	WG808903
Naphthalene	22.3		0.219	0.812	20	08/14/2015 16:13	WG808903
1-Methylnaphthalene	42.0	E	0.271	0.812	20	08/14/2015 16:13	WG808903
2-Methylnaphthalene	44.0	E	0.212	0.812	20	08/14/2015 16:13	WG808903
Nitrobenzene	U		0.0855	4.09	10	08/14/2015 08:07	WG808903
2-Nitroaniline	U		0.0929	4.09	10	08/14/2015 08:07	WG808903
3-Nitroaniline	U		0.104	4.09	10	08/14/2015 08:07	WG808903
4-Nitroaniline	U		0.0786	4.09	10	08/14/2015 08:07	WG808903
n-Nitrosodimethylamine	U		0.796	4.09	10	08/14/2015 08:07	WG808903
n-Nitrosodiphenylamine	U		0.0731	4.09	10	08/14/2015 08:07	WG808903
n-Nitrosodi-n-propylamine	U		0.111	4.09	10	08/14/2015 08:07	WG808903
Phenanthrene	8.91		0.0649	0.406	10	08/14/2015 08:07	WG808903
Benzylbutyl phthalate	U		0.127	4.09	10	08/14/2015 08:07	WG808903
Bis(2-ethylhexyl)phthalate	U		0.148	4.09	10	08/14/2015 08:07	WG808903
Di-n-butyl phthalate	U		0.134	4.09	10	08/14/2015 08:07	WG808903
Diethyl phthalate	0.783	J	0.0850	4.09	10	08/14/2015 08:07	WG808903
Dimethyl phthalate	U		0.0664	4.09	10	08/14/2015 08:07	WG808903
Di-n-octyl phthalate	U		0.112	4.09	10	08/14/2015 08:07	WG808903
Pyrene	2.54		0.151	0.406	10	08/14/2015 08:07	WG808903
4-Chloro-3-methylphenol	U		0.0587	4.09	10	08/14/2015 08:07	WG808903

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

Analyte	Result (dry) mg/kg	Qualifier	MDL mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2-Chlorophenol	U		0.102	4.09	10	08/14/2015 08:07	WG808903
2,4-Dichlorophenol	U		0.0918	4.09	10	08/14/2015 08:07	WG808903
2,4-Dimethylphenol	U		0.579	4.09	10	08/14/2015 08:07	WG808903
4,6-Dinitro-2-methylphenol	U		1.52	4.09	10	08/14/2015 08:07	WG808903
2,4-Dinitrophenol	U		1.20	4.09	10	08/14/2015 08:07	WG808903
2-Nitrophenol	U		0.160	4.09	10	08/14/2015 08:07	WG808903
4-Nitrophenol	U		0.646	4.09	10	08/14/2015 08:07	WG808903
Pentachlorophenol	U		0.590	4.09	10	08/14/2015 08:07	WG808903
Phenol	U		0.0855	4.09	10	08/14/2015 08:07	WG808903
2,4,5-Trichlorophenol	U		0.128	4.09	10	08/14/2015 08:07	WG808903
2,4,6-Trichlorophenol	U		0.0958	4.09	10	08/14/2015 08:07	WG808903
(S) 2-Fluorophenol	*72.4*			*21.1-116*		*08/14/2015 08:07*	WG808903
(S) Phenol-d5	*95.1*			*26.3-121*		*08/14/2015 08:07*	WG808903
(S) Nitrobenzene-d5	*135*	X		*21.9-129*		*08/14/2015 08:07*	WG808903
(S) 2-Fluorobiphenyl	*86.6*			*34.9-129*		*08/14/2015 08:07*	WG808903
(S) 2,4,6-Tribromophenol	*69.5*			*21.6-142*		*08/14/2015 08:07*	WG808903
(S) p-Terphenyl-d14	*102*			*21.5-128*		*08/14/2015 08:07*	WG808903

Sample Narrative:

8270C L782431-03 WG808903: Dilution due to matrix

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	79.8		1	08/15/2015 08:40	WG809134

Wet Chemistry by Method 9012B

Analyte	Result (dry)	Qualifier	MDL	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Cyanide	U		0.147	0.940	3	08/19/2015 13:44	WG809991

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.00815	J	0.00351	0.0251	1	08/15/2015 12:54	WG808817

Metals (ICPMS) by Method 6020

Analyte	Result (dry)	Qualifier	MDL	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Aluminum	1480		2.88	62.6	5	08/19/2015 23:11	WG808799
Antimony	U		0.132	0.626	5	08/19/2015 23:11	WG808799
Arsenic	1.37		0.0157	0.313	5	08/19/2015 23:11	WG808799
Barium	16.1		0.200	0.626	5	08/19/2015 23:11	WG808799
Beryllium	0.153	J	0.0752	0.313	5	08/19/2015 23:11	WG808799
Boron	U		0.476	12.5	5	08/19/2015 23:11	WG808799
Cadmium	0.123	J	0.100	0.626	5	08/19/2015 23:11	WG808799
Calcium	252000	*	14.4	626	5	08/19/2015 23:11	WG808799
Chromium	3.32		0.313	0.626	5	08/19/2015 23:11	WG808799
Cobalt	1.33		0.163	0.313	5	08/19/2015 23:11	WG808799
Copper	1.85		0.313	0.313	5	08/19/2015 23:11	WG808799
Iron	1570		15.0	62.6	5	08/19/2015 23:11	WG808799
Lead	3.85		0.150	0.313	5	08/19/2015 23:11	WG808799
Manganese	219		0.157	1.25	5	08/19/2015 23:11	WG808799
Nickel	2.26		0.219	0.313	5	08/19/2015 23:11	WG808799
Potassium	304	J	11.3	626	5	08/19/2015 23:11	WG808799
Selenium	U		0.238	0.626	5	08/19/2015 23:11	WG808799
Silver	U		0.157	1.25	5	08/19/2015 23:11	WG808799
Sodium	258	J	38.2	626	5	08/19/2015 23:11	WG808799
Uranium	0.243	J	0.100	6.26	5	08/19/2015 23:11	WG808799
Vanadium	7.48		0.113	0.313	5	08/19/2015 23:11	WG808799
Zinc	U		1.60	3.13	5	08/19/2015 23:11	WG808799

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

Analyte	Result (dry)	Qualifier	MDL	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	0.221	J	0.135	0.626	5	08/14/2015 16:22	WG809083
(S) a,a,a-Trifluorotoluene(FID)	*89.8*			*59.0-128*		*08/14/2015 16:22*	WG809083

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

Analyte	Result (dry)	Qualifier	MDL	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0626	0.313	5	08/19/2015 18:07	WG810235
Benzene	U		0.00169	0.00626	5	08/19/2015 18:07	WG810235
Bromodichloromethane	U		0.00159	0.00626	5	08/19/2015 18:07	WG810235
Bromoform	U		0.00266	0.00626	5	08/19/2015 18:07	WG810235
Bromomethane	U		0.00840	0.0313	5	08/19/2015 18:07	WG810235
n-Butylbenzene	U		0.00162	0.00626	5	08/19/2015 18:07	WG810235

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

Analyte	Result (dry) mg/kg	Qualifier	MDL mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Carbon disulfide	0.00140	J	0.00138	0.00626	5	08/19/2015 18:07	WG810235
Carbon tetrachloride	U		0.00206	0.00626	5	08/19/2015 18:07	WG810235
Chlorobenzene	U		0.00133	0.00626	5	08/19/2015 18:07	WG810235
Chlorodibromomethane	U		0.00233	0.00626	5	08/19/2015 18:07	WG810235
Chloroethane	U		0.00593	0.0313	5	08/19/2015 18:07	WG810235
Chloroform	U		0.00143	0.0313	5	08/19/2015 18:07	WG810235
Chloromethane	U		0.00236	0.0157	5	08/19/2015 18:07	WG810235
1,2-Dibromoethane	U		0.00216	0.00626	5	08/19/2015 18:07	WG810235
1,1-Dichloroethane	U		0.00125	0.00626	5	08/19/2015 18:07	WG810235
1,2-Dichloroethane	U		0.00165	0.00626	5	08/19/2015 18:07	WG810235
1,1-Dichloroethene	U		0.00190	0.00626	5	08/19/2015 18:07	WG810235
cis-1,2-Dichloroethene	U		0.00148	0.00626	5	08/19/2015 18:07	WG810235
trans-1,2-Dichloroethene	U		0.00165	0.00626	5	08/19/2015 18:07	WG810235
1,2-Dichloropropane	U		0.00224	0.00626	5	08/19/2015 18:07	WG810235
cis-1,3-Dichloropropene	U		0.00164	0.00626	5	08/19/2015 18:07	WG810235
trans-1,3-Dichloropropene	U		0.00168	0.00626	5	08/19/2015 18:07	WG810235
Ethylbenzene	U		0.00185	0.00626	5	08/19/2015 18:07	WG810235
Isopropylbenzene	U		0.00153	0.00626	5	08/19/2015 18:07	WG810235
p-Isopropyltoluene	U		0.00128	0.00626	5	08/19/2015 18:07	WG810235
2-Butanone (MEK)	U		0.0293	0.0626	5	08/19/2015 18:07	WG810235
2-Hexanone	U		0.00858	0.0626	5	08/19/2015 18:07	WG810235
4-Methyl-2-pentanone (MIBK)	U		0.0118	0.0626	5	08/19/2015 18:07	WG810235
Methyl tert-butyl ether	U		0.00133	0.00626	5	08/19/2015 18:07	WG810235
Methylene Chloride	U		0.00626	0.0313	5	08/19/2015 18:07	WG810235
Naphthalene	U		0.00626	0.0313	5	08/19/2015 18:07	WG810235
n-Propylbenzene	U		0.00129	0.00626	5	08/19/2015 18:07	WG810235
Styrene	U		0.00147	0.00626	5	08/19/2015 18:07	WG810235
1,1,2,2-Tetrachloroethane	U		0.00228	0.00626	5	08/19/2015 18:07	WG810235
Tetrachloroethene	U		0.00173	0.00626	5	08/19/2015 18:07	WG810235
Toluene	U		0.00272	0.0313	5	08/19/2015 18:07	WG810235
1,1,1-Trichloroethane	U		0.00179	0.00626	5	08/19/2015 18:07	WG810235
1,1,2-Trichloroethane	U		0.00173	0.00626	5	08/19/2015 18:07	WG810235
Trichloroethene	U		0.00175	0.00626	5	08/19/2015 18:07	WG810235
sec-Butylbenzene	U		0.00125	0.00626	5	08/19/2015 18:07	WG810235
1,2,4-Trimethylbenzene	U		0.00133	0.00626	5	08/19/2015 18:07	WG810235
Vinyl chloride	U		0.00183	0.00626	5	08/19/2015 18:07	WG810235
1,3,5-Trimethylbenzene	U		0.00167	0.00626	5	08/19/2015 18:07	WG810235
Xylenes, Total	U		0.00437	0.0188	5	08/19/2015 18:07	WG810235
o-Xylene	U		0.00229	0.00626	5	08/19/2015 18:07	WG810235
m&p-Xylene	U		0.00208	0.00626	5	08/19/2015 18:07	WG810235
(S) Toluene-d8	*102*			*88.7-115*		*08/19/2015 18:07*	WG810235
(S) Dibromofluoromethane	*97.3*			*76.3-123*		*08/19/2015 18:07*	WG810235
(S) 4-Bromofluorobenzene	*100*			*69.7-129*		*08/19/2015 18:07*	WG810235

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	U		2.02	5.01	1	08/15/2015 00:10	WG809333
C28-C40 Oil Range	U		0.343	5.01	1	08/15/2015 00:10	WG809333
(S) o-Terphenyl	*79.4*			*50.0-150*		*08/15/2015 00:10*	WG809333

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

Analyte	Result (dry) mg/kg	Qualifier	MDL mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.00804	0.0413	1	08/14/2015 05:24	WG808903
Acenaphthylene	U		0.00841	0.0413	1	08/14/2015 05:24	WG808903
Acetophenone	U		0.0942	0.417	1	08/14/2015 05:24	WG808903
Anthracene	U		0.00792	0.0413	1	08/14/2015 05:24	WG808903
Atrazine	U		0.118	0.417	1	08/14/2015 05:24	WG808903
Benzaldehyde	U		0.0667	0.417	1	08/14/2015 05:24	WG808903
Benzo(a)anthracene	U		0.00536	0.0413	1	08/14/2015 05:24	WG808903
Benzo(b)fluoranthene	U		0.00871	0.0413	1	08/14/2015 05:24	WG808903
Benzo(k)fluoranthene	U		0.00729	0.0413	1	08/14/2015 05:24	WG808903
Benzo(g,h,i)perylene	U		0.00904	0.0413	1	08/14/2015 05:24	WG808903
Benzo(a)pyrene	U		0.00687	0.0413	1	08/14/2015 05:24	WG808903
Biphenyl	U		0.00737	0.417	1	08/14/2015 05:24	WG808903
Bis(2-chlorethoxy)methane	U		0.00965	0.417	1	08/14/2015 05:24	WG808903
Bis(2-chloroethyl)ether	U		0.0112	0.417	1	08/14/2015 05:24	WG808903
Bis(2-chloroisopropyl)ether	U		0.00952	0.417	1	08/14/2015 05:24	WG808903
4-Bromophenyl-phenylether	U		0.0143	0.417	1	08/14/2015 05:24	WG808903
2-Chloronaphthalene	U		0.00801	0.0413	1	08/14/2015 05:24	WG808903
Caprolactam	U		0.130	0.417	1	08/14/2015 05:24	WG808903
Carbazole	U		0.00657	0.417	1	08/14/2015 05:24	WG808903
4-Chloroaniline	U		0.0441	0.417	1	08/14/2015 05:24	WG808903
4-Chlorophenyl-phenylether	U		0.00786	0.417	1	08/14/2015 05:24	WG808903
Chrysene	U		0.00695	0.0413	1	08/14/2015 05:24	WG808903
Dibenz(a,h)anthracene	U		0.0103	0.0413	1	08/14/2015 05:24	WG808903
Dibenzofuran	U		0.00649	0.0413	1	08/14/2015 05:24	WG808903
3,3-Dichlorobenzidine	U		0.0995	0.417	1	08/14/2015 05:24	WG808903
2,4-Dinitrotoluene	U		0.00761	0.417	1	08/14/2015 05:24	WG808903
2,6-Dinitrotoluene	U		0.00924	0.417	1	08/14/2015 05:24	WG808903
Fluoranthene	U		0.00622	0.0413	1	08/14/2015 05:24	WG808903
Fluorene	U		0.00855	0.0413	1	08/14/2015 05:24	WG808903
Hexachlorobenzene	U		0.0107	0.417	1	08/14/2015 05:24	WG808903
Hexachloro-1,3-butadiene	U		0.0125	0.417	1	08/14/2015 05:24	WG808903
2-Methylphenol	U		0.0124	0.417	1	08/14/2015 05:24	WG808903
3&4-Methyl Phenol	U		0.00981	0.417	1	08/14/2015 05:24	WG808903
Hexachlorocyclopentadiene	U		0.0736	0.417	1	08/14/2015 05:24	WG808903
Hexachloroethane	U		0.0168	0.417	1	08/14/2015 05:24	WG808903
Indeno(1,2,3-cd)pyrene	U		0.00967	0.0413	1	08/14/2015 05:24	WG808903
Isophorone	U		0.00654	0.417	1	08/14/2015 05:24	WG808903
Naphthalene	U		0.0111	0.0413	1	08/14/2015 05:24	WG808903
1-Methylnaphthalene	U		0.0138	0.0413	1	08/14/2015 05:24	WG808903
2-Methylnaphthalene	U		0.0108	0.0413	1	08/14/2015 05:24	WG808903
Nitrobenzene	U		0.00871	0.417	1	08/14/2015 05:24	WG808903
2-Nitroaniline	U		0.00946	0.417	1	08/14/2015 05:24	WG808903
3-Nitroaniline	U		0.0106	0.417	1	08/14/2015 05:24	WG808903
4-Nitroaniline	U		0.00801	0.417	1	08/14/2015 05:24	WG808903
n-Nitrosodimethylamine	U		0.0811	0.417	1	08/14/2015 05:24	WG808903
n-Nitrosodiphenylamine	U		0.00744	0.417	1	08/14/2015 05:24	WG808903
n-Nitrosodi-n-propylamine	U		0.0114	0.417	1	08/14/2015 05:24	WG808903
Phenanthrene	U		0.00662	0.0413	1	08/14/2015 05:24	WG808903
Benzylbutyl phthalate	U		0.0129	0.417	1	08/14/2015 05:24	WG808903
Bis(2-ethylhexyl)phthalate	0.0228	J	0.0150	0.417	1	08/14/2015 05:24	WG808903
Di-n-butyl phthalate	U		0.0136	0.417	1	08/14/2015 05:24	WG808903
Diethyl phthalate	U		0.00866	0.417	1	08/14/2015 05:24	WG808903
Dimethyl phthalate	U		0.00677	0.417	1	08/14/2015 05:24	WG808903
Di-n-octyl phthalate	U		0.0114	0.417	1	08/14/2015 05:24	WG808903
Pyrene	U		0.0154	0.0413	1	08/14/2015 05:24	WG808903
4-Chloro-3-methylphenol	U		0.00598	0.417	1	08/14/2015 05:24	WG808903

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

Analyte	Result (dry) mg/kg	Qualifier	MDL mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2-Chlorophenol	U		0.0104	0.417	1	08/14/2015 05:24	WG808903
2,4-Dichlorophenol	U		0.00935	0.417	1	08/14/2015 05:24	WG808903
2,4-Dimethylphenol	U		0.0590	0.417	1	08/14/2015 05:24	WG808903
4,6-Dinitro-2-methylphenol	U		0.155	0.417	1	08/14/2015 05:24	WG808903
2,4-Dinitrophenol	U		0.123	0.417	1	08/14/2015 05:24	WG808903
2-Nitrophenol	U		0.0163	0.417	1	08/14/2015 05:24	WG808903
4-Nitrophenol	U		0.0658	0.417	1	08/14/2015 05:24	WG808903
Pentachlorophenol	U		0.0602	0.417	1	08/14/2015 05:24	WG808903
Phenol	U		0.00871	0.417	1	08/14/2015 05:24	WG808903
2,4,5-Trichlorophenol	U		0.0130	0.417	1	08/14/2015 05:24	WG808903
2,4,6-Trichlorophenol	U		0.00976	0.417	1	08/14/2015 05:24	WG808903
(S) 2-Fluorophenol	*64.2*			*21.1-116*		*08/14/2015 05:24*	WG808903
(S) Phenol-d5	*60.3*			*26.3-121*		*08/14/2015 05:24*	WG808903
(S) Nitrobenzene-d5	*63.3*			*21.9-129*		*08/14/2015 05:24*	WG808903
(S) 2-Fluorobiphenyl	*69.3*			*34.9-129*		*08/14/2015 05:24*	WG808903
(S) 2,4,6-Tribromophenol	*70.9*			*21.6-142*		*08/14/2015 05:24*	WG808903
(S) p-Terphenyl-d14	*70.3*			*21.5-128*		*08/14/2015 05:24*	WG808903

Method Blank (MB)

(MB) 08/15/15 08:38

Analyte	MB Result	MB Qualifier	MB RDL
	%		%
Total Solids	0.000500		

L782431-02 Original Sample (OS) • Duplicate (DUP)

(OS) 08/15/15 08:39 • (DUP) 08/15/15 08:40

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	%	%		%		%
Total Solids	77.5	74.1	1	4.51		5

Laboratory Control Sample (LCS)

(LCS) 08/15/15 08:39

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	%	%	%	%	
Total Solids	50.0	50.0	100	85.0-115	

Method Blank (MB)

(MB) 08/13/15 17:21

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Cyanide	U		0.0390	0.250

L782420-01 Original Sample (OS) • Duplicate (DUP)

(OS) 08/13/15 18:10 • (DUP) 08/13/15 18:11

Analyte	Original Result mg/kg	DUP Result mg/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Cyanide	ND	ND	5	0.00		20

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

(LCS) 08/13/15 17:23 • (LCSD) 08/13/15 17:24

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Cyanide	101	104	102	103	101	50.0-150			1.94	20

Method Blank (MB)

(MB) 08/19/15 13:38

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Cyanide	U		0.0390	0.250

L783532-04 Original Sample (OS) • Duplicate (DUP)

(OS) 08/19/15 13:50 • (DUP) 08/19/15 13:51

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

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

(LCS) 08/19/15 13:40 • (LCSD) 08/19/15 13:41

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Cyanide	101	98.0	85.5	97.0	16.9	50.0-150			13.6	20

Method Blank (MB)

(MB) 08/15/15 11:42

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Mercury	U		0.0028	0.0200

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

(LCS) 08/15/15 11:45 • (LCSD) 08/15/15 11:48

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Mercury	0.300	0.281	0.280	94	93	80-120			0	20

L782375-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 08/15/15 11:50 • (MS) 08/15/15 11:53 • (MSD) 08/15/15 11:55

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Mercury	0.300	0.0149	0.271	0.292	85	92	1	75-125			8	20

Method Blank (MB)

(MB) 08/19/15 21:58

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Aluminum	9.13		2.3	50.0
Antimony	U		0.105	0.500
Arsenic	0.0392		0.0125	0.250
Barium	U		0.16	0.500
Beryllium	U		0.06	0.250
Boron	U		0.38	10.0
Cadmium	U		0.08	0.500
Calcium	25		11.5	500
Chromium	0.373		0.25	0.500
Cobalt	U		0.13	0.250
Copper	U		0.25	0.250
Iron	12.5		12	50.0
Lead	U		0.12	0.250
Manganese	0.226		0.125	1.00
Nickel	U		0.175	0.250
Potassium	25		9	500
Selenium	U		0.19	0.500
Silver	U		0.125	1.00
Sodium	133		30.5	500
Uranium	U		0.08	5.00
Vanadium	U		0.09	0.250
Zinc	U		1.28	2.50

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

(LCS) 08/19/15 22:30 • (LCSD) 08/19/15 22:33

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Aluminum	1000	992	908	99	91	80-120			9	20
Antimony	100	112	104	112	104	80-120			8	20
Arsenic	100	97.5	92.7	98	93	80-120			5	20
Barium	100	103	95.7	103	96	80-120			7	20
Beryllium	100	104	99.4	104	99	80-120			5	20
Boron	100	109	107	109	107	80-120			2	20
Cadmium	100	101	95.8	101	96	80-120			5	20
Calcium	1000	1610	1470	161	147	80-120	*	*	9	20

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

(LCS) 08/19/15 22:30 • (LCSD) 08/19/15 22:33

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Chromium	100	102	95.6	102	96	80-120			6	20
Cobalt	100	104	97.9	104	98	80-120			6	20
Copper	100	103	98.3	103	98	80-120			5	20
Iron	1000	1000	944	100	94	80-120			6	20
Lead	100	105	102	105	102	80-120			3	20
Manganese	100	101	94.7	101	95	80-120			7	20
Nickel	100	103	96.5	103	96	80-120			6	20
Potassium	1000	1030	931	103	93	80-120			10	20
Selenium	100	100	94.0	100	94	80-120			6	20
Silver	100	104	96.8	104	97	80-120			7	20
Sodium	1000	1030	958	103	96	80-120			7	20
Uranium	100	105	102	105	102	80-120			4	20
Vanadium	100	101	95.1	101	95	80-120			6	20
Zinc	100	107	94.0	107	94	80-120			13	20

L782431-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 08/19/15 22:06 • (MS) 08/19/15 22:11 • (MSD) 08/19/15 22:14

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Aluminum	200	1600	2990	2520	139	92	5	75-125	F		17	20
Antimony	20.0	ND	82.7	78.4	83	78	5	75-125			5	20
Arsenic	20.0	1.27	94.9	88.2	94	87	5	75-125			7	20
Barium	20.0	14.7	107	101	93	86	5	75-125			6	20
Beryllium	20.0	0.209	86.7	80.5	86	80	5	75-125			7	20
Boron	20.0	1.96	90.1	87.3	88	85	5	75-125			3	20
Cadmium	20.0	0.141	95.1	89.3	95	89	5	75-125			6	20
Calcium	200	223000	197000	195000	0	0	5	75-125	4	4	1	20
Chromium	20.0	3.29	96.3	88.8	93	86	5	75-125			8	20
Cobalt	20.0	1.21	94.9	88.2	94	87	5	75-125			7	20
Copper	20.0	1.60	93.2	86.4	92	85	5	75-125			8	20
Iron	200	1520	2860	2470	134	95	5	75-125	F		15	20
Lead	20.0	3.40	96.9	90.8	94	87	5	75-125			7	20
Manganese	20.0	184	249	241	65	57	5	75-125	F	F	3	20
Nickel	20.0	2.20	94.1	87.1	92	85	5	75-125			8	20
Potassium	200	344	1290	1150	95	80	5	75-125			12	20

L782431-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 08/19/15 22:06 • (MS) 08/19/15 22:11 • (MSD) 08/19/15 22:14

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Selenium	20.0	0.157	94.0	87.2	94	87	5	75-125			8	20
Silver	20.0	ND	94.3	90.5	94	90	5	75-125			4	20
Sodium	200	230	1160	1070	93	84	5	75-125			7	20
Uranium	20.0	0.292	97.1	91.8	97	92	5	75-125			6	20
Vanadium	20.0	6.68	101	92.5	94	86	5	75-125			8	20
Zinc	20.0	4.15	92.1	86.8	88	83	5	75-125			6	20

Method Blank (MB)

(MB) 08/14/15 06:05

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPH (GC/FID) Low Fraction	U		0.0217	0.100
(S) a,a,a-Trifluorotoluene(FID)	*94.0*			*59.0-128*

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

(LCS) 08/14/15 04:58 • (LCSD) 08/14/15 05:20

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) Low Fraction	5.50	5.38	6.15	97.9	112	63.5-137			13.3	20
(S) a,a,a-Trifluorotoluene(FID)				*102*	*104*	*59.0-128*				

L782629-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 08/14/15 15:37 • (MS) 08/14/15 12:53 • (MSD) 08/14/15 13:15

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) Low Fraction	5.50	ND	23.4	26.3	85.3	95.7	5	28.5-138			11.5	23.6
(S) a,a,a-Trifluorotoluene(FID)					*100*	*101*		*59.0-128*				

Method Blank (MB)

(MB) 08/16/15 05:24

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	mg/kg		mg/kg	mg/kg
TPH (GC/FID) Low Fraction	U		0.0217	0.100
(S) a,a,a-Trifluorotoluene(FID)	*99.9*			*59.0-128*

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

(LCS) 08/16/15 04:38 • (LCSD) 08/16/15 06:50

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	mg/kg	mg/kg	mg/kg	%	%	%			%	%
TPH (GC/FID) Low Fraction	5.50	4.65	4.62	84.5	83.9	63.5-137			0.700	20
(S) a,a,a-Trifluorotoluene(FID)				*96.8*	*96.8*	*59.0-128*				

L782389-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 08/16/15 08:51 • (MS) 08/16/15 07:41 • (MSD) 08/16/15 08:04

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
TPH (GC/FID) Low Fraction	5.50	ND	22.6	20.0	82.1	72.9	5	28.5-138			11.9	23.6
(S) a,a,a-Trifluorotoluene(FID)					*94.5*	*95.5*		*59.0-128*				

Method Blank (MB)

(MB) 08/18/15 12:51

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0100	0.0500
Benzene	U		0.000270	0.00100
Bromodichloromethane	U		0.000254	0.00100
Bromoform	U		0.000424	0.00100
Bromomethane	U		0.00134	0.00500
n-Butylbenzene	U		0.000258	0.00100
sec-Butylbenzene	U		0.000201	0.00100
Carbon disulfide	U		0.000221	0.00100
Carbon tetrachloride	U		0.000328	0.00100
Chlorobenzene	U		0.000212	0.00100
Chlorodibromomethane	U		0.000373	0.00100
Chloroethane	U		0.000946	0.00500
Chloroform	U		0.000229	0.00500
Chloromethane	U		0.000375	0.00250
1,2-Dibromoethane	U		0.000343	0.00100
1,1-Dichloroethane	U		0.000199	0.00100
1,2-Dichloroethane	U		0.000265	0.00100
1,1-Dichloroethene	U		0.000303	0.00100
cis-1,2-Dichloroethene	U		0.000235	0.00100
trans-1,2-Dichloroethene	U		0.000264	0.00100
1,2-Dichloropropane	U		0.000358	0.00100
cis-1,3-Dichloropropene	U		0.000262	0.00100
trans-1,3-Dichloropropene	U		0.000267	0.00100
Ethylbenzene	U		0.000297	0.00100
2-Hexanone	U		0.00137	0.0100
Isopropylbenzene	U		0.000243	0.00100
p-Isopropyltoluene	U		0.000204	0.00100
2-Butanone (MEK)	U		0.00468	0.0100
Methylene Chloride	U		0.00100	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.00188	0.0100
Methyl tert-butyl ether	U		0.000212	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.000206	0.00100
Styrene	U		0.000234	0.00100
1,1,2,2-Tetrachloroethane	U		0.000365	0.00100
Tetrachloroethene	U		0.000276	0.00100

Method Blank (MB)

(MB) 08/18/15 12:51

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Toluene	U		0.000434	0.00500
1,1,1-Trichloroethane	U		0.000286	0.00100
1,1,2-Trichloroethane	U		0.000277	0.00100
Trichloroethene	U		0.000279	0.00100
1,2,4-Trimethylbenzene	U		0.000211	0.00100
1,3,5-Trimethylbenzene	U		0.000266	0.00100
Vinyl chloride	U		0.000291	0.00100
Xylenes, Total	U		0.000698	0.00300
o-Xylene	U		0.000366	0.00100
m&p-Xylenes	U		0.000332	0.00100
(S) Toluene-d8	*101*			*88.7-115*
(S) Dibromofluoromethane	*91.7*			*76.3-123*
(S) 4-Bromofluorobenzene	*103*			*69.7-129*

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

(LCS) 08/18/15 11:22 • (LCSD) 08/18/15 11:39

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	0.219	0.203	175	162	25.3-178			7.61	22.9
Benzene	0.0250	0.0250	0.0235	100	94.0	72.6-120			6.36	20
Bromodichloromethane	0.0250	0.0248	0.0230	99.4	92.1	75.3-119			7.54	20
Bromoform	0.0250	0.0252	0.0250	101	100	69.1-135			0.670	20
Bromomethane	0.0250	0.0349	0.0361	140	144	23.0-191			3.23	20
n-Butylbenzene	0.0250	0.0248	0.0230	99.2	92.0	74.2-134			7.49	20
sec-Butylbenzene	0.0250	0.0247	0.0236	98.7	94.6	77.8-129			4.21	20
Carbon disulfide	0.0250	0.0237	0.0213	94.9	85.2	49.9-136			10.9	20
Carbon tetrachloride	0.0250	0.0248	0.0231	99.1	92.3	69.4-129			7.15	20
Chlorobenzene	0.0250	0.0254	0.0245	101	98.1	78.9-122			3.40	20
Chlorodibromomethane	0.0250	0.0241	0.0230	96.4	91.9	76.4-126			4.75	20
Chloroethane	0.0250	0.0192	0.0177	76.6	70.7	47.2-147			8.10	20
Chloroform	0.0250	0.0233	0.0223	93.1	89.4	73.3-122			4.12	20
Chloromethane	0.0250	0.0235	0.0219	93.9	87.7	53.1-135			6.83	20
1,2-Dibromoethane	0.0250	0.0252	0.0235	101	94.2	78.7-123			6.79	20
1,1-Dichloroethane	0.0250	0.0252	0.0242	101	96.9	71.7-125			3.84	20
1,2-Dichloroethane	0.0250	0.0260	0.0253	104	101	67.2-121			2.76	20

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

(LCS) 08/18/15 11:22 • (LCSD) 08/18/15 11:39

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
1,1-Dichloroethene	0.0250	0.0235	0.0220	93.8	88.2	60.6-133			6.20	20
cis-1,2-Dichloroethene	0.0250	0.0246	0.0242	98.5	96.9	76.1-121			1.64	20
trans-1,2-Dichloroethene	0.0250	0.0240	0.0230	95.9	91.9	70.7-124			4.19	20
1,2-Dichloropropane	0.0250	0.0256	0.0250	102	100	76.9-123			2.24	20
cis-1,3-Dichloropropene	0.0250	0.0261	0.0240	104	96.1	77.3-123			8.17	20
trans-1,3-Dichloropropene	0.0250	0.0264	0.0238	106	95.4	73.0-127			10.2	20
Ethylbenzene	0.0250	0.0258	0.0248	103	99.3	78.6-124			3.81	20
2-Hexanone	0.125	0.165	0.164	132	131	62.7-150			0.970	20
Isopropylbenzene	0.0250	0.0245	0.0231	97.9	92.6	79.4-126			5.58	20
p-Isopropyltoluene	0.0250	0.0241	0.0234	96.3	93.8	75.4-132			2.72	20
2-Butanone (MEK)	0.125	0.164	0.159	131	127	44.5-154			3.29	21.3
Methylene Chloride	0.0250	0.0267	0.0249	107	99.4	68.2-119			7.04	20
4-Methyl-2-pentanone (MIBK)	0.125	0.131	0.123	105	98.7	61.1-138			5.81	20
Methyl tert-butyl ether	0.0250	0.0228	0.0216	91.1	86.3	70.2-122			5.41	20
Naphthalene	0.0250	0.0240	0.0233	95.9	93.0	69.9-132			3.07	20
n-Propylbenzene	0.0250	0.0248	0.0240	99.3	96.0	80.2-124			3.44	20
Styrene	0.0250	0.0256	0.0244	102	97.4	79.4-124			4.79	20
1,1,2,2-Tetrachloroethane	0.0250	0.0231	0.0220	92.4	88.1	78.8-124			4.77	20
Tetrachloroethene	0.0250	0.0299	0.0283	120	113	71.1-133			5.76	20
Toluene	0.0250	0.0257	0.0240	103	95.8	76.7-116			7.01	20
1,1,1-Trichloroethane	0.0250	0.0229	0.0220	91.4	88.1	69.9-127			3.71	20
1,1,2-Trichloroethane	0.0250	0.0256	0.0245	103	98.2	81.9-119			4.36	20
Trichloroethene	0.0250	0.0280	0.0256	112	102	77.2-122			8.87	20
1,2,4-Trimethylbenzene	0.0250	0.0244	0.0230	97.5	92.1	77.1-124			5.72	20
1,3,5-Trimethylbenzene	0.0250	0.0246	0.0237	98.4	94.8	79.0-125			3.65	20
Vinyl chloride	0.0250	0.0198	0.0171	79.1	68.6	58.4-134			14.3	20
Xylenes, Total	0.0750	0.0728	0.0703	97.0	93.8	78.1-123			3.42	20
o-Xylene	0.0250	0.0246	0.0230	98.2	92.1	78.5-124			6.46	20
m&p-Xylenes	0.0500	0.0482	0.0473	96.4	94.6	77.3-124			1.90	20
(S) Toluene-d8				*99.2*	*97.1*	*88.7-115*				
(S) Dibromofluoromethane				*95.1*	*92.9*	*76.3-123*				
(S) 4-Bromofluorobenzene				*99.1*	*96.5*	*69.7-129*				

L783393-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 08/18/15 15:31 • (MS) 08/18/15 14:22 • (MSD) 08/18/15 14:40

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	ND	0.866	1.04	138	166	5	10.0-130	F	F	18.1	31.5
Benzene	0.0250	ND	0.115	0.115	91.9	91.7	5	47.8-131			0.260	22.8
Bromodichloromethane	0.0250	ND	0.112	0.110	89.8	88.2	5	50.6-128			1.78	22.8
Bromoform	0.0250	ND	0.116	0.115	93.0	91.8	5	43.3-139			1.24	25.9
Bromomethane	0.0250	ND	0.148	0.131	118	105	5	5.00-189			12.1	26.7
n-Butylbenzene	0.0250	ND	0.0955	0.0986	76.4	78.9	5	23.6-146			3.18	39.2
sec-Butylbenzene	0.0250	ND	0.110	0.106	87.8	85.0	5	31.0-142			3.21	34.7
Carbon tetrachloride	0.0250	ND	0.113	0.114	90.0	91.5	5	46.0-140			1.59	27.2
Chlorobenzene	0.0250	ND	0.123	0.114	98.2	91.1	5	44.1-134			7.58	25.7
Chlorodibromomethane	0.0250	ND	0.113	0.108	90.2	86.6	5	49.7-134			4.02	24
Chloroethane	0.0250	ND	0.0900	0.105	72.0	83.7	5	5.00-164			15.0	28.4
Chloroform	0.0250	ND	0.110	0.110	87.8	87.9	5	51.2-133			0.170	22.8
Chloromethane	0.0250	ND	0.105	0.106	84.0	84.5	5	31.4-141			0.590	24.6
1,2-Dibromoethane	0.0250	ND	0.114	0.110	91.3	88.3	5	50.2-133			3.29	23.6
1,1-Dichloroethane	0.0250	ND	0.118	0.117	94.2	93.7	5	49.1-136			0.530	22.9
1,2-Dichloroethane	0.0250	ND	0.111	0.117	88.7	93.4	5	47.1-129			5.17	22.7
1,1-Dichloroethene	0.0250	ND	0.102	0.0988	81.8	79.0	5	36.1-142			3.51	25.6
cis-1,2-Dichloroethene	0.0250	ND	0.116	0.112	93.0	89.5	5	50.6-133			3.81	23
trans-1,2-Dichloroethene	0.0250	ND	0.111	0.111	89.0	89.1	5	43.8-135			0.140	24.8
1,2-Dichloropropane	0.0250	ND	0.120	0.117	96.2	93.9	5	50.3-134			2.41	22.7
cis-1,3-Dichloropropene	0.0250	ND	0.117	0.116	93.3	92.8	5	48.4-134			0.610	23.6
trans-1,3-Dichloropropene	0.0250	ND	0.114	0.119	91.3	95.0	5	46.6-135			3.89	25.3
Ethylbenzene	0.0250	ND	0.123	0.119	98.5	95.4	5	44.8-135			3.18	26.9
Isopropylbenzene	0.0250	ND	0.117	0.108	93.6	86.5	5	41.9-139			7.96	29.3
p-Isopropyltoluene	0.0250	ND	0.110	0.104	88.2	83.5	5	27.3-146			5.50	35.1
2-Butanone (MEK)	0.125	ND	0.667	0.800	107	128	5	23.9-170			18.2	28.3
Methylene Chloride	0.0250	ND	0.117	0.116	93.8	92.5	5	46.7-125			1.37	22.2
4-Methyl-2-pentanone (MIBK)	0.125	ND	0.529	0.634	84.7	101	5	42.4-146			18.0	26.7
Methyl tert-butyl ether	0.0250	ND	0.0954	0.105	76.3	83.8	5	50.4-131			9.31	24.8
Naphthalene	0.0250	ND	0.0937	0.108	75.0	86.3	5	18.4-145			14.1	34
n-Propylbenzene	0.0250	ND	0.114	0.107	90.8	85.3	5	35.2-139			6.24	31.9
Styrene	0.0250	ND	0.122	0.113	97.7	90.6	5	39.7-137			7.52	28.2
1,1,2,2-Tetrachloroethane	0.0250	ND	0.107	0.108	85.6	86.1	5	45.7-140			0.530	26.4
Tetrachloroethene	0.0250	ND	0.145	0.132	116	106	5	37.7-140			9.48	29.2
Toluene	0.0250	ND	0.116	0.113	92.5	90.8	5	47.8-127			1.84	24.3
1,1,1-Trichloroethane	0.0250	ND	0.110	0.109	87.9	87.3	5	49.0-138			0.700	25.3

L783393-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 08/18/15 15:31 • (MS) 08/18/15 14:22 • (MSD) 08/18/15 14:40

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
1,1,2-Trichloroethane	0.0250	ND	0.117	0.116	93.8	92.6	5	52.3-132			1.34	23.4
Trichloroethene	0.0250	ND	0.126	0.126	101	101	5	48.0-132			0.190	24.8
1,2,4-Trimethylbenzene	0.0250	ND	0.109	0.104	86.8	83.2	5	32.9-139			4.26	30.6
1,3,5-Trimethylbenzene	0.0250	ND	0.111	0.106	89.0	84.6	5	37.1-138			5.06	30.6
Vinyl chloride	0.0250	ND	0.0784	0.0814	62.7	65.1	5	32.0-146			3.68	26.3
Xylenes, Total	0.0750	ND	0.348	0.323	92.8	86.1	5	42.7-135			7.54	26.6
(S) Toluene-d8					*99.7*	*98.7*		*88.7-115*				
(S) Dibromofluoromethane					*97.8*	*98.0*		*76.3-123*				
(S) 4-Bromofluorobenzene					*103*	*98.9*		*69.7-129*				

Method Blank (MB)

(MB) 08/19/15 14:25

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0100	0.0500
Benzene	U		0.000270	0.00100
Bromodichloromethane	U		0.000254	0.00100
Bromoform	U		0.000424	0.00100
Bromomethane	U		0.00134	0.00500
n-Butylbenzene	U		0.000258	0.00100
sec-Butylbenzene	U		0.000201	0.00100
Carbon disulfide	U		0.000221	0.00100
Carbon tetrachloride	U		0.000328	0.00100
Chlorobenzene	U		0.000212	0.00100
Chlorodibromomethane	U		0.000373	0.00100
Chloroethane	U		0.000946	0.00500
Chloroform	U		0.000229	0.00500
Chloromethane	U		0.000375	0.00250
1,2-Dibromoethane	U		0.000343	0.00100
1,1-Dichloroethane	U		0.000199	0.00100
1,2-Dichloroethane	U		0.000265	0.00100
1,1-Dichloroethene	U		0.000303	0.00100
cis-1,2-Dichloroethene	U		0.000235	0.00100
trans-1,2-Dichloroethene	U		0.000264	0.00100
1,2-Dichloropropane	U		0.000358	0.00100
cis-1,3-Dichloropropene	U		0.000262	0.00100
trans-1,3-Dichloropropene	U		0.000267	0.00100
Ethylbenzene	U		0.000297	0.00100
2-Hexanone	U		0.00137	0.0100
Isopropylbenzene	U		0.000243	0.00100
p-Isopropyltoluene	U		0.000204	0.00100
2-Butanone (MEK)	U		0.00468	0.0100
Methylene Chloride	U		0.00100	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.00188	0.0100
Methyl tert-butyl ether	U		0.000212	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.000206	0.00100
Styrene	U		0.000234	0.00100
1,1,2,2-Tetrachloroethane	U		0.000365	0.00100
Tetrachloroethene	U		0.000276	0.00100

Method Blank (MB)

(MB) 08/19/15 14:25

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Toluene	U		0.000434	0.00500
1,1,1-Trichloroethane	U		0.000286	0.00100
1,1,2-Trichloroethane	U		0.000277	0.00100
Trichloroethene	U		0.000279	0.00100
1,2,4-Trimethylbenzene	U		0.000211	0.00100
1,3,5-Trimethylbenzene	U		0.000266	0.00100
Vinyl chloride	U		0.000291	0.00100
Xylenes, Total	U		0.000698	0.00300
o-Xylene	U		0.000366	0.00100
m&p-Xylenes	U		0.000332	0.00100
(S) Toluene-d8	*103*			*88.7-115*
(S) Dibromofluoromethane	*96.0*			*76.3-123*
(S) 4-Bromofluorobenzene	*95.9*			*69.7-129*

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

(LCS) 08/19/15 11:58 • (LCSD) 08/19/15 12:19

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	0.118	0.106	94.2	84.7	25.3-178			10.6	22.9
Benzene	0.0250	0.0264	0.0249	106	99.8	72.6-120			5.74	20
Bromodichloromethane	0.0250	0.0270	0.0267	108	107	75.3-119			1.04	20
Bromoform	0.0250	0.0284	0.0259	114	104	69.1-135			9.14	20
Bromomethane	0.0250	0.0252	0.0240	101	96.0	23.0-191			4.89	20
n-Butylbenzene	0.0250	0.0293	0.0289	117	116	74.2-134			1.39	20
sec-Butylbenzene	0.0250	0.0286	0.0269	114	108	77.8-129			6.12	20
Carbon disulfide	0.0250	0.0255	0.0248	102	99.0	49.9-136			2.86	20
Carbon tetrachloride	0.0250	0.0268	0.0260	107	104	69.4-129			2.95	20
Chlorobenzene	0.0250	0.0281	0.0259	112	104	78.9-122			7.94	20
Chlorodibromomethane	0.0250	0.0278	0.0257	111	103	76.4-126			7.71	20
Chloroethane	0.0250	0.0260	0.0255	104	102	47.2-147			2.14	20
Chloroform	0.0250	0.0266	0.0249	107	99.8	73.3-122			6.53	20
Chloromethane	0.0250	0.0231	0.0219	92.3	87.7	53.1-135			5.10	20
1,2-Dibromoethane	0.0250	0.0262	0.0250	105	99.9	78.7-123			4.78	20
1,1-Dichloroethane	0.0250	0.0261	0.0261	105	104	71.7-125			0.250	20
1,2-Dichloroethane	0.0250	0.0256	0.0255	102	102	67.2-121			0.300	20

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

(LCS) 08/19/15 11:58 • (LCSD) 08/19/15 12:19

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
1,1-Dichloroethene	0.0250	0.0274	0.0258	110	103	60.6-133			5.98	20
cis-1,2-Dichloroethene	0.0250	0.0266	0.0249	106	99.4	76.1-121			6.85	20
trans-1,2-Dichloroethene	0.0250	0.0265	0.0252	106	101	70.7-124			5.19	20
1,2-Dichloropropane	0.0250	0.0274	0.0264	110	105	76.9-123			3.94	20
cis-1,3-Dichloropropene	0.0250	0.0278	0.0265	111	106	77.3-123			4.86	20
trans-1,3-Dichloropropene	0.0250	0.0280	0.0273	112	109	73.0-127			2.66	20
Ethylbenzene	0.0250	0.0277	0.0270	111	108	78.6-124			2.53	20
2-Hexanone	0.125	0.145	0.142	116	113	62.7-150			1.93	20
Isopropylbenzene	0.0250	0.0284	0.0260	114	104	79.4-126			8.71	20
p-Isopropyltoluene	0.0250	0.0291	0.0273	117	109	75.4-132			6.40	20
2-Butanone (MEK)	0.125	0.125	0.117	100	93.6	44.5-154			6.66	21.3
Methylene Chloride	0.0250	0.0237	0.0234	94.9	93.5	68.2-119			1.49	20
4-Methyl-2-pentanone (MIBK)	0.125	0.130	0.130	104	104	61.1-138			0.270	20
Methyl tert-butyl ether	0.0250	0.0263	0.0259	105	104	70.2-122			1.46	20
Naphthalene	0.0250	0.0278	0.0273	111	109	69.9-132			1.62	20
n-Propylbenzene	0.0250	0.0285	0.0264	114	106	80.2-124			7.74	20
Styrene	0.0250	0.0281	0.0266	112	107	79.4-124			5.35	20
1,1,2,2-Tetrachloroethane	0.0250	0.0272	0.0266	109	106	78.8-124			2.49	20
Tetrachloroethene	0.0250	0.0282	0.0261	113	104	71.1-133			7.94	20
Toluene	0.0250	0.0259	0.0250	104	100	76.7-116			3.36	20
1,1,1-Trichloroethane	0.0250	0.0262	0.0258	105	103	69.9-127			1.47	20
1,1,2-Trichloroethane	0.0250	0.0276	0.0254	110	102	81.9-119			8.21	20
Trichloroethene	0.0250	0.0275	0.0260	110	104	77.2-122			5.81	20
1,2,4-Trimethylbenzene	0.0250	0.0283	0.0258	113	103	77.1-124			9.26	20
1,3,5-Trimethylbenzene	0.0250	0.0278	0.0256	111	102	79.0-125			8.27	20
Vinyl chloride	0.0250	0.0246	0.0235	98.4	94.1	58.4-134			4.41	20
Xylenes, Total	0.0750	0.0862	0.0805	115	107	78.1-123			6.91	20
o-Xylene	0.0250	0.0285	0.0264	114	106	78.5-124			7.46	20
m&p-Xylenes	0.0500	0.0578	0.0541	116	108	77.3-124			6.64	20
(S) Toluene-d8				*102*	*102*	*88.7-115*				
(S) Dibromofluoromethane				*98.3*	*98.6*	*76.3-123*				
(S) 4-Bromofluorobenzene				*104*	*98.0*	*69.7-129*				

L782426-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 08/19/15 17:03 • (MS) 08/19/15 18:28 • (MSD) 08/19/15 18:50

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	0.0151	2.22	1.86	74.4	62.0	23.75	10.0-130			18.1	31.5
Benzene	0.0250	ND	0.605	0.549	102	92.5	23.75	47.8-131			9.72	22.8
Bromodichloromethane	0.0250	ND	0.649	0.574	109	96.7	23.75	50.6-128			12.2	22.8
Bromoform	0.0250	ND	0.644	0.543	108	91.5	23.75	43.3-139			17.0	25.9
Bromomethane	0.0250	ND	0.645	0.563	109	94.9	23.75	5.00-189			13.6	26.7
n-Butylbenzene	0.0250	ND	0.669	0.604	113	102	23.75	23.6-146			10.1	39.2
sec-Butylbenzene	0.0250	ND	0.695	0.601	117	101	23.75	31.0-142			14.6	34.7
Carbon disulfide	0.0250	0.00257	0.515	0.475	86.4	79.5	23.75	21.2-135			8.19	23.8
Carbon tetrachloride	0.0250	ND	0.624	0.552	105	93.0	23.75	46.0-140			12.3	27.2
Chlorobenzene	0.0250	ND	0.679	0.599	114	101	23.75	44.1-134			12.5	25.7
Chlorodibromomethane	0.0250	ND	0.644	0.555	108	93.5	23.75	49.7-134			14.8	24
Chloroethane	0.0250	ND	0.468	0.500	78.9	84.2	23.75	5.00-164			6.52	28.4
Chloroform	0.0250	ND	0.629	0.560	106	94.2	23.75	51.2-133			11.6	22.8
Chloromethane	0.0250	0.00201	0.538	0.504	90.3	84.5	23.75	31.4-141			6.66	24.6
1,2-Dibromoethane	0.0250	ND	0.619	0.528	104	89.0	23.75	50.2-133			15.9	23.6
1,1-Dichloroethane	0.0250	ND	0.620	0.564	104	95.0	23.75	49.1-136			9.39	22.9
1,2-Dichloroethane	0.0250	ND	0.620	0.564	104	95.0	23.75	47.1-129			9.34	22.7
1,1-Dichloroethene	0.0250	ND	0.614	0.542	103	91.3	23.75	36.1-142			12.4	25.6
cis-1,2-Dichloroethene	0.0250	ND	0.625	0.566	105	95.4	23.75	50.6-133			9.80	23
trans-1,2-Dichloroethene	0.0250	ND	0.607	0.542	102	91.2	23.75	43.8-135			11.4	24.8
1,2-Dichloropropane	0.0250	ND	0.659	0.626	111	105	23.75	50.3-134			5.08	22.7
cis-1,3-Dichloropropene	0.0250	ND	0.648	0.586	109	98.8	23.75	48.4-134			9.99	23.6
trans-1,3-Dichloropropene	0.0250	ND	0.658	0.582	111	98.1	23.75	46.6-135			12.2	25.3
Ethylbenzene	0.0250	ND	0.688	0.603	116	102	23.75	44.8-135			13.1	26.9
2-Hexanone	0.125	ND	3.19	2.75	108	92.6	23.75	44.3-157			14.9	23.7
Isopropylbenzene	0.0250	ND	0.674	0.591	113	99.6	23.75	41.9-139			13.0	29.3
p-Isopropyltoluene	0.0250	ND	0.724	0.608	122	102	23.75	27.3-146			17.4	35.1
2-Butanone (MEK)	0.125	0.0497	2.73	2.21	90.1	72.7	23.75	23.9-170			20.9	28.3
Methylene Chloride	0.0250	ND	0.578	0.502	97.4	84.5	23.75	46.7-125			14.2	22.2
4-Methyl-2-pentanone (MIBK)	0.125	ND	2.89	2.60	97.2	87.4	23.75	42.4-146			10.6	26.7
Methyl tert-butyl ether	0.0250	ND	0.634	0.557	107	93.8	23.75	50.4-131			12.9	24.8
Naphthalene	0.0250	ND	0.654	0.597	110	100	23.75	18.4-145			9.11	34
n-Propylbenzene	0.0250	ND	0.669	0.584	113	98.4	23.75	35.2-139			13.5	31.9
Styrene	0.0250	ND	0.690	0.575	116	96.9	23.75	39.7-137			18.0	28.2
1,1,2,2-Tetrachloroethane	0.0250	ND	0.632	0.528	107	89.0	23.75	45.7-140			17.9	26.4
Tetrachloroethene	0.0250	ND	0.655	0.594	110	100	23.75	37.7-140			9.81	29.2

L782426-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 08/19/15 17:03 • (MS) 08/19/15 18:28 • (MSD) 08/19/15 18:50

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Toluene	0.0250	0.00322	0.613	0.566	103	94.8	23.75	47.8-127			7.97	24.3
1,1,1-Trichloroethane	0.0250	ND	0.597	0.546	101	92.0	23.75	49.0-138			8.88	25.3
1,1,2-Trichloroethane	0.0250	ND	0.655	0.570	110	95.9	23.75	52.3-132			13.9	23.4
Trichloroethene	0.0250	ND	0.649	0.580	109	97.7	23.75	48.0-132			11.2	24.8
1,2,4-Trimethylbenzene	0.0250	0.00355	0.685	0.588	115	98.4	23.75	32.9-139			15.3	30.6
1,3,5-Trimethylbenzene	0.0250	ND	0.673	0.583	113	98.2	23.75	37.1-138			14.4	30.6
Vinyl chloride	0.0250	ND	0.571	0.528	96.2	88.9	23.75	32.0-146			7.83	26.3
Xylenes, Total	0.0750	0.00576	2.06	1.81	115	101	23.75	42.7-135			12.6	26.6
o-Xylene	0.0250	0.00186	0.678	0.596	114	100	23.75	43.2-136			12.9	26.2
m&p-Xylenes	0.0500	0.00390	1.38	1.22	116	102	23.75	42.2-134			12.5	27.1
(S) Toluene-d8					*107*	*104*		*88.7-115*				
(S) Dibromofluoromethane					*98.4*	*96.3*		*76.3-123*				
(S) 4-Bromofluorobenzene					*105*	*98.7*		*69.7-129*				

Method Blank (MB)

(MB) 08/14/15 23:08

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
C10-C28 Diesel Range	U		1.61	4.00
C28-C40 Oil Range	U		0.274	4.00
(S) o-Terphenyl	*80.4*			*50.0-150*

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

(LCS) 08/14/15 23:20 • (LCSD) 08/14/15 23:33

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
C10-C28 Diesel Range	60.0	42.8	41.1	71.3	68.5	50.0-100			4.08	20
(S) o-Terphenyl				*82.8*	*85.1*	*50.0-150*				

Method Blank (MB)

(MB) 08/13/15 16:53

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acenaphthene	U		0.00642	0.0330
Acenaphthylene	U		0.00671	0.0330
Acetophenone	U		0.0752	0.333
Anthracene	U		0.00632	0.0330
Atrazine	U		0.0938	0.333
Benzaldehyde	U		0.0532	0.333
Benzo(a)anthracene	U		0.00428	0.0330
Benzo(b)fluoranthene	U		0.00695	0.0330
Benzo(k)fluoranthene	U		0.00582	0.0330
Benzo(g,h,i)perylene	U		0.00721	0.0330
Benzo(a)pyrene	U		0.00548	0.0330
Biphenyl	U		0.00588	0.333
Bis(2-chlorethoxy)methane	U		0.00770	0.333
Bis(2-chloroethyl)ether	U		0.00896	0.333
Bis(2-chloroisopropyl)ether	U		0.00760	0.333
4-Bromophenyl-phenylether	U		0.0114	0.333
Caprolactam	U		0.104	0.333
Carbazole	U		0.00524	0.333
4-Chloroaniline	U		0.0352	0.333
2-Chloronaphthalene	U		0.00639	0.0330
4-Chlorophenyl-phenylether	U		0.00627	0.333
Chrysene	U		0.00555	0.0330
Dibenz(a,h)anthracene	U		0.00821	0.0330
Dibenzofuran	U		0.00518	0.0330
3,3-Dichlorobenzidine	U		0.0794	0.333
2,4-Dinitrotoluene	U		0.00607	0.333
2,6-Dinitrotoluene	U		0.00737	0.333
Fluoranthene	U		0.00496	0.0330
Fluorene	U		0.00682	0.0330
Hexachlorobenzene	U		0.00856	0.333
Hexachloro-1,3-butadiene	U		0.0100	0.333
Hexachlorocyclopentadiene	U		0.0587	0.333
Hexachloroethane	U		0.0134	0.333
Indeno(1,2,3-cd)pyrene	U		0.00772	0.0330
Isophorone	U		0.00522	0.333
2-Methylnaphthalene	U		0.00861	0.0330

Method Blank (MB)

(MB) 08/13/15 16:53

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Naphthalene	U		0.00889	0.0330
2-Nitroaniline	U		0.00755	0.333
3-Nitroaniline	U		0.00850	0.333
4-Nitroaniline	U		0.00639	0.333
Nitrobenzene	U		0.00695	0.333
n-Nitrosodimethylamine	U		0.0647	0.333
n-Nitrosodiphenylamine	U		0.00594	0.333
n-Nitrosodi-n-propylamine	U		0.00906	0.333
Phenanthrene	U		0.00528	0.0330
Benzylbutyl phthalate	U		0.0103	0.333
Bis(2-ethylhexyl)phthalate	U		0.0120	0.333
Di-n-butyl phthalate	U		0.0109	0.333
Diethyl phthalate	U		0.00691	0.333
Dimethyl phthalate	U		0.00540	0.333
Di-n-octyl phthalate	U		0.00907	0.333
Pyrene	U		0.0123	0.0330
4-Chloro-3-methylphenol	U		0.00477	0.333
2-Chlorophenol	U		0.00831	0.333
2-Methylphenol	U		0.00986	0.333
3&4-Methyl Phenol	U		0.00783	0.333
2,4-Dichlorophenol	U		0.00746	0.333
2,4-Dimethylphenol	U		0.0471	0.333
4,6-Dinitro-2-methylphenol	U		0.124	0.333
2,4-Dinitrophenol	U		0.0980	0.333
2-Nitrophenol	U		0.0130	0.333
4-Nitrophenol	U		0.0525	0.333
Pentachlorophenol	U		0.0480	0.333
Phenol	U		0.00695	0.333
2,4,5-Trichlorophenol	U		0.0104	0.333
2,4,6-Trichlorophenol	U		0.00779	0.333
(S) Nitrobenzene-d5	*53.1*			*21.9-129*
(S) 2-Fluorobiphenyl	*60.4*			*34.9-129*
(S) p-Terphenyl-d14	*55.2*			*21.5-128*
(S) Phenol-d5	*52.1*			*26.3-121*
(S) 2-Fluorophenol	*58.7*			*21.1-116*
(S) 2,4,6-Tribromophenol	*53.1*			*21.6-142*

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

(LCS) 08/13/15 16:06 • (LCSD) 08/13/15 16:30

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acenaphthene	0.667	0.462	0.453	69.2	67.9	48.9-107			1.89	20
Acenaphthylene	0.667	0.435	0.436	65.2	65.4	49.2-111			0.360	20
Acetophenone	0.667	0.317	0.320	47.6	48.0	47.1-99.0			1.00	22.1
Anthracene	0.667	0.429	0.425	64.3	63.7	52.0-112			0.840	20
Atrazine	0.667	0.445	0.471	66.8	70.6	45.0-131			5.57	20
Benzaldehyde	0.667	0.170	0.139	25.4	20.8	10.0-141			20.2	24.8
Benzo(a)anthracene	0.667	0.430	0.461	64.4	69.1	52.3-106			7.03	20
Benzo(b)fluoranthene	0.667	0.453	0.471	67.9	70.5	51.3-106			3.81	20
Benzo(k)fluoranthene	0.667	0.411	0.444	61.6	66.5	52.9-107			7.66	20
Benzo(g,h,i)perylene	0.667	0.457	0.477	68.6	71.5	45.8-108			4.12	20
Benzo(a)pyrene	0.667	0.433	0.456	64.9	68.4	51.9-106			5.30	20
Biphenyl	0.667	0.465	0.475	69.8	71.3	45.6-103			2.13	20
Bis(2-chlorethoxy)methane	0.667	0.348	0.351	52.2	52.6	44.9-108			0.610	20
Bis(2-chloroethyl)ether	0.667	0.270	0.278	40.4	41.7	32.5-112			3.14	26
Bis(2-chloroisopropyl)ether	0.667	0.322	0.320	48.3	48.0	40.4-99.0			0.650	20.7
4-Bromophenyl-phenylether	0.667	0.511	0.495	76.6	74.2	51.4-110			3.17	20
Caprolactam	0.667	0.315	0.323	47.3	48.4	42.2-107			2.41	21.9
Carbazole	0.667	0.411	0.399	61.6	59.8	52.4-102			3.02	21.1
4-Chloroaniline	0.667	0.281	0.322	42.1	48.4	24.5-101			13.8	24.5
2-Chloronaphthalene	0.667	0.450	0.469	67.4	70.4	47.1-105			4.30	20
4-Chlorophenyl-phenylether	0.667	0.440	0.455	66.0	68.2	48.1-108			3.30	20
Chrysene	0.667	0.420	0.455	62.9	68.2	54.4-110			7.96	20
Dibenz(a,h)anthracene	0.667	0.463	0.491	69.4	73.6	45.7-111			5.97	20
Dibenzofuran	0.667	0.440	0.429	65.9	64.3	48.6-104			2.52	20
3,3-Dichlorobenzidine	0.667	0.358	0.407	53.7	61.1	21.0-101			12.9	22
2,4-Dinitrotoluene	0.667	0.418	0.448	62.7	67.2	53.0-112			6.97	20
2,6-Dinitrotoluene	0.667	0.464	0.434	69.5	65.0	51.6-110			6.68	20
Fluoranthene	0.667	0.435	0.420	65.2	63.0	53.7-110			3.48	20
Fluorene	0.667	0.429	0.448	64.3	67.2	51.1-109			4.49	20
Hexachlorobenzene	0.667	0.471	0.463	70.5	69.5	43.2-104			1.53	20.1
Hexachloro-1,3-butadiene	0.667	0.429	0.424	64.4	63.5	41.5-112			1.34	20
Hexachlorocyclopentadiene	0.667	0.227	0.224	34.0	33.6	13.5-123			1.18	20.7
Hexachloroethane	0.667	0.318	0.330	47.7	49.5	36.2-103			3.54	22.7
Indeno(1,2,3-cd)pyrene	0.667	0.470	0.490	70.5	73.4	47.5-109			4.10	20
Isophorone	0.667	0.394	0.408	59.1	61.2	28.8-104			3.57	20
2-Methylnaphthalene	0.667	0.395	0.396	59.2	59.4	48.0-101			0.440	20