ANALYTICAL REPORT

September 11, 2015

WPX Energy

Sample Delivery Group:	L786347
Samples Received:	09/02/2015
Project Number:	
Description:	Grand Valley Pit Sampling
Report To:	Mr. Ryan Smith 1058 County Road 215 Parachute, CO 81635

Entire Report Reviewed By:

T. Alan Harvill
Technical Service Representative

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

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STARKEY GULTCH PIT L786347-01 WW

Collected by	Collected date/time	Received date/time
Ryan Smith	09/01/15 09:34	09/02/15 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analysis Analyst
Gravimetric Analysis by Method 2540 C-2011	WG813102	1	09/03/15 13:17	09/04/15 13:34	MF
Mercury by Method 245.1	WG813214	1	09/03/15 10:41	09/03/15 15:09	CHM
Metals (ICP) by Method 200.7	WG813400	5	09/07/15 15:22	09/08/15 23:12	ST
Semi Volatile Organic Compounds (GC/MS) by Method 625	WG813193	1	09/03/15 18:38	09/04/15 13:24	ADF
Semi Volatile Organic Compounds (GC/MS) by Method 625	WG813193	10	09/03/15 18:38	09/08/15 15:09	ADF
Volatile Organic Compounds (GC/MS) by Method 624	WG813630	25	09/06/15 19:03	09/06/15 19:03	KLO
Wet Chemistry by Method 120.1	WG813092	1	09/03/15 10:22	09/03/15 10:22	JER
Wet Chemistry by Method 130.1	WG813062	10	09/03/15 12:06	09/03/15 12:06	ASK
Wet Chemistry by Method 2320 B-2011	WG813299	5	09/08/15 08:03	09/08/15 08:03	MCG
Wet Chemistry by Method 300.0	WG813065	1	09/02/15 19:25	09/02/15 19:25	DJD
Wet Chemistry by Method 300.0	WG813758	200	09/09/15 18:09	09/09/15 18:09	DJD
Wet Chemistry by Method 300.0	WG813764	1	09/10/15 11:16	09/10/15 11:16	DJD
Wet Chemistry by Method 4500H+ B-2011	WG813370	1	09/04/15 14:50	09/04/15 14:50	JEH

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

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.

T. Alan Harvill
Technical Service Representative

Sample Handling and Receiving

The following samples were prepared and/or analyzed past recommended holding time. Concentrations should be considered minimum values.

ESC Sample ID	Project Sample ID	Method
L786347-01	STARKEY GULTCH PIT	4500H+ B-2011

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	17300		10.0	1	09/04/2015 13:34	WG813102

Wet Chemistry by Method 120.1

Analyte	Result umhos/cm	Qualifier	Dilution	Analysis date / time	Batch
Specific Conductance	29300		1	09/03/2015 10:22	WG813092

Wet Chemistry by Method 130.1

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hardness, Total (mg/L as CaCO3)	854		300	10	09/03/2015 12:06	WG813062

Wet Chemistry by Method 2320 B-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Alkalinity	692		100	5	09/08/2015 08:03	WG813299

Wet Chemistry by Method 300.0

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Bromide	86.5		1.00	1	09/02/2015 19:25	WG813065
Chloride	10500		200	200	09/09/2015 18:09	WG813758
Fluoride	ND		0.100	1	09/10/2015 11:16	WG813764
Nitrate	ND		0.100	1	09/02/2015 19:25	WG813065
Nitrite	ND		0.100	1	09/02/2015 19:25	WG813065
Sulfate	ND		5.00	1	09/02/2015 19:25	WG813065

Wet Chemistry by Method 4500H+ B-2011

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	6.85		1	09/04/2015 14:50	WG813370

Sample Narrative:

4500H+ B-2011 L786347-01 WG813370: 6.85 at 13.5c

Mercury by Method 245.1

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Mercury,Dissolved	ND	J3 J6 O1	0.000200	1	09/03/2015 15:09	WG813214

Metals (ICP) by Method 200.7

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic,Dissolved	ND		0.0500	5	09/08/2015 23:12	WG813400
Barium,Dissolved	53.8		0.0250	5	09/08/2015 23:12	WG813400
Cadmium,Dissolved	ND		0.0100	5	09/08/2015 23:12	WG813400
Chromium,Dissolved	ND		0.0500	5	09/08/2015 23:12	WG813400
Lead,Dissolved	ND		0.0250	5	09/08/2015 23:12	WG813400
Selenium,Dissolved	ND		0.0500	5	09/08/2015 23:12	WG813400
Silver,Dissolved	ND		0.0250	5	09/08/2015 23:12	WG813400

Volatile Organic Compounds (GC/MS) by Method 624

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	1.86		0.0250	25	09/06/2015 19:03	WG813630
Bromodichloromethane	ND		0.0250	25	09/06/2015 19:03	WG813630
Bromoform	ND		0.0250	25	09/06/2015 19:03	WG813630
Bromomethane	ND		0.125	25	09/06/2015 19:03	WG813630
Carbon tetrachloride	ND		0.0250	25	09/06/2015 19:03	WG813630
Chlorobenzene	ND		0.0250	25	09/06/2015 19:03	WG813630
Chlorodibromomethane	ND		0.0250	25	09/06/2015 19:03	WG813630
Chloroethane	ND		0.125	25	09/06/2015 19:03	WG813630
2-Chloroethyl vinyl ether	ND		1.25	25	09/06/2015 19:03	WG813630
Chloroform	ND		0.125	25	09/06/2015 19:03	WG813630
Chloromethane	ND		0.0625	25	09/06/2015 19:03	WG813630
1,2-Dichlorobenzene	ND		0.0250	25	09/06/2015 19:03	WG813630
1,3-Dichlorobenzene	ND		0.0250	25	09/06/2015 19:03	WG813630
1,4-Dichlorobenzene	ND		0.0250	25	09/06/2015 19:03	WG813630
Dichlorodifluoromethane	ND		0.125	25	09/06/2015 19:03	WG813630
1,1-Dichloroethane	ND		0.0250	25	09/06/2015 19:03	WG813630
1,2-Dichloroethane	ND		0.0250	25	09/06/2015 19:03	WG813630
1,1-Dichloroethene	ND		0.0250	25	09/06/2015 19:03	WG813630
trans-1,2-Dichloroethene	ND		0.0250	25	09/06/2015 19:03	WG813630
1,2-Dichloropropane	ND		0.0250	25	09/06/2015 19:03	WG813630
cis-1,3-Dichloropropene	ND		0.0250	25	09/06/2015 19:03	WG813630
trans-1,3-Dichloropropene	ND		0.0250	25	09/06/2015 19:03	WG813630
Ethylbenzene	0.121		0.0250	25	09/06/2015 19:03	WG813630
Methylene Chloride	ND		0.125	25	09/06/2015 19:03	WG813630
Methyl tert-butyl ether	ND		0.125	25	09/06/2015 19:03	WG813630
Naphthalene	ND	J3 J4	0.125	25	09/06/2015 19:03	WG813630
1,1,2,2-Tetrachloroethane	ND		0.0250	25	09/06/2015 19:03	WG813630
Tetrachloroethene	ND		0.0250	25	09/06/2015 19:03	WG813630
Toluene	3.75		0.125	25	09/06/2015 19:03	WG813630
1,1,1-Trichloroethane	ND		0.0250	25	09/06/2015 19:03	WG813630
1,1,2-Trichloroethane	ND		0.0250	25	09/06/2015 19:03	WG813630
Trichloroethene	ND		0.0250	25	09/06/2015 19:03	WG813630
Trichlorofluoromethane	ND		0.125	25	09/06/2015 19:03	WG813630
Vinyl chloride	ND		0.0250	25	09/06/2015 19:03	WG813630
Xylenes, Total	2.53		0.0750	25	09/06/2015 19:03	WG813630
(S) Toluene-d8	*106*		*90.0-115*		*09/06/2015 19:03*	WG813630
(S) Dibromofluoromethane	*95.5*		*79.0-121*		*09/06/2015 19:03*	WG813630
(S) α,α,α-Trifluorotoluene	*103*		*90.4-116*		*09/06/2015 19:03*	WG813630
(S) 4-Bromofluorobenzene	*102*		*80.1-120*		*09/06/2015 19:03*	WG813630

Semi Volatile Organic Compounds (GC/MS) by Method 625

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Acenaphthene	ND	J3	0.00100	1	09/04/2015 13:24	WG813193
Acenaphthylene	ND		0.00100	1	09/04/2015 13:24	WG813193
Anthracene	ND	J3	0.00100	1	09/04/2015 13:24	WG813193
Benzidine	ND		0.0100	1	09/04/2015 13:24	WG813193
Benzo(a)anthracene	ND	J3	0.00100	1	09/04/2015 13:24	WG813193
Benzo(b)fluoranthene	ND		0.00100	1	09/04/2015 13:24	WG813193
Benzo(k)fluoranthene	ND	J3	0.00100	1	09/04/2015 13:24	WG813193
Benzo(g,h,i)perylene	ND	J3	0.00100	1	09/04/2015 13:24	WG813193
Benzo(a)pyrene	ND	J3	0.00100	1	09/04/2015 13:24	WG813193
Bis(2-chlorethoxy)methane	ND		0.0100	1	09/04/2015 13:24	WG813193
Bis(2-chloroethyl)ether	ND		0.0100	1	09/04/2015 13:24	WG813193
Bis(2-chloroisopropyl)ether	ND	J4	0.0100	1	09/04/2015 13:24	WG813193
4-Bromophenyl-phenylether	ND		0.0100	1	09/04/2015 13:24	WG813193

Semi Volatile Organic Compounds (GC/MS) by Method 625

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
2-Chloronaphthalene	ND		0.00100	1	09/04/2015 13:24	WG813193
4-Chlorophenyl-phenylether	ND	J3	0.0100	1	09/04/2015 13:24	WG813193
Chrysene	ND	J3	0.00100	1	09/04/2015 13:24	WG813193
Dibenz(a,h)anthracene	ND	J3	0.00100	1	09/04/2015 13:24	WG813193
3,3-Dichlorobenzidine	ND		0.0100	1	09/04/2015 13:24	WG813193
2,4-Dinitrotoluene	ND		0.0100	1	09/04/2015 13:24	WG813193
2,6-Dinitrotoluene	ND		0.0100	1	09/04/2015 13:24	WG813193
1,2-Diphenylhydrazine	ND	J3	0.0100	1	09/04/2015 13:24	WG813193
Fluoranthene	ND	J3	0.00100	1	09/04/2015 13:24	WG813193
Fluorene	ND	J3	0.00100	1	09/04/2015 13:24	WG813193
Hexachlorobenzene	ND	J3	0.00100	1	09/04/2015 13:24	WG813193
Hexachloro-1,3-butadiene	ND		0.0100	1	09/04/2015 13:24	WG813193
Hexachlorocyclopentadiene	ND		0.0100	1	09/04/2015 13:24	WG813193
Hexachloroethane	ND		0.0100	1	09/04/2015 13:24	WG813193
Indeno(1,2,3-cd)pyrene	ND	J3	0.00100	1	09/04/2015 13:24	WG813193
Isophorone	ND		0.0100	1	09/04/2015 13:24	WG813193
Naphthalene	0.0216		0.00100	1	09/04/2015 13:24	WG813193
Nitrobenzene	ND		0.0100	1	09/04/2015 13:24	WG813193
n-Nitrosodimethylamine	ND		0.0100	1	09/04/2015 13:24	WG813193
n-Nitrosodiphenylamine	ND	J3	0.0100	1	09/04/2015 13:24	WG813193
n-Nitrosodi-n-propylamine	ND	J4	0.0100	1	09/04/2015 13:24	WG813193
Phenanthrene	ND	J3	0.00100	1	09/04/2015 13:24	WG813193
Benzylbutyl phthalate	ND	J3	0.00300	1	09/04/2015 13:24	WG813193
Bis(2-ethylhexyl)phthalate	ND		0.00300	1	09/04/2015 13:24	WG813193
Di-n-butyl phthalate	ND	J3	0.00300	1	09/04/2015 13:24	WG813193
Diethyl phthalate	ND	J3	0.00300	1	09/04/2015 13:24	WG813193
Dimethyl phthalate	ND	J3	0.00300	1	09/04/2015 13:24	WG813193
Di-n-octyl phthalate	ND		0.00300	1	09/04/2015 13:24	WG813193
Pyrene	ND	J3	0.00100	1	09/04/2015 13:24	WG813193
1,2,4-Trichlorobenzene	ND		0.0100	1	09/04/2015 13:24	WG813193
4-Chloro-3-methylphenol	ND		0.0100	1	09/04/2015 13:24	WG813193
2-Chlorophenol	ND		0.0100	1	09/04/2015 13:24	WG813193
2,4-Dichlorophenol	ND		0.0100	1	09/04/2015 13:24	WG813193
2,4-Dimethylphenol	0.180		0.0100	1	09/04/2015 13:24	WG813193
4,6-Dinitro-2-methylphenol	ND		0.0100	1	09/04/2015 13:24	WG813193
2,4-Dinitrophenol	ND		0.0100	1	09/04/2015 13:24	WG813193
2-Nitrophenol	ND		0.0100	1	09/04/2015 13:24	WG813193
4-Nitrophenol	ND		0.0100	1	09/04/2015 13:24	WG813193
Pentachlorophenol	ND		0.0100	1	09/04/2015 13:24	WG813193
Phenol	0.295		0.100	10	09/08/2015 15:09	WG813193
2,4,6-Trichlorophenol	ND		0.0100	1	09/04/2015 13:24	WG813193
(S) Nitrobenzene-d5	*103*		*21.8-123*		*09/04/2015 13:24*	WG813193
(S) 2-Fluorobiphenyl	*66.8*		*29.5-131*		*09/04/2015 13:24*	WG813193
(S) p-Terphenyl-d14	*76.4*		*29.3-137*		*09/04/2015 13:24*	WG813193
(S) Phenol-d5	*63.7*		*5.00-70.1*		*09/04/2015 13:24*	WG813193
(S) 2-Fluorophenol	*76.6*		*10.0-77.9*		*09/04/2015 13:24*	WG813193
(S) 2,4,6-Tribromophenol	*85.9*		*11.2-130*		*09/04/2015 13:24*	WG813193

Method Blank (MB)

(MB) 09/04/15 13:36

Analyte	MB Result mg/l	MB Qualifier	MB RDL mg/l
Dissolved Solids	ND		10.0

L786345-01 Original Sample (OS) • Duplicate (DUP)

(OS) 09/04/15 13:35 • (DUP) 09/04/15 13:36

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	1540	1590	1	3.20		5

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

(LCS) 09/04/15 13:37 • (LCSD) 09/04/15 13:37

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Dissolved Solids	8800	8600	8680	97.7	98.6	85.0-115			0.926	5

Method Blank (MB)

(MB) 09/03/15 10:22

Analyte	MB Result umhos/cm	MB Qualifier	MB RDL umhos/cm
Specific Conductance	1.02		

L786146-23 Original Sample (OS) • Duplicate (DUP)

(OS) 09/03/15 10:22 • (DUP) 09/03/15 10:22

Analyte	Original Result umhos/cm	DUP Result umhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	660	660	1	0.15		20

L786437-05 Original Sample (OS) • Duplicate (DUP)

(OS) 09/03/15 10:22 • (DUP) 09/03/15 10:22

Analyte	Original Result umhos/cm	DUP Result umhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	3100	3100	1	0.00		20

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

(LCS) 09/03/15 10:22 • (LCSD) 09/03/15 10:22

Analyte	Spike Amount umhos/cm	LCS Result umhos/cm	LCSD Result umhos/cm	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Specific Conductance	873	896	896	103	103	90.0-110			0.000	20

Method Blank (MB)

(MB) 09/03/15 11:33

Analyte	MB Result mg/l	MB Qualifier	MB RDL mg/l
Hardness	ND		30.0

L786037-01 Original Sample (OS) • Duplicate (DUP)

(OS) 09/03/15 11:41 • (DUP) 09/03/15 11:42

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Hardness	61	65	1	6.2		20

L786200-05 Original Sample (OS) • Duplicate (DUP)

(OS) 09/03/15 11:53 • (DUP) 09/03/15 11:54

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Hardness	60	60	1	1.0		20

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

(LCS) 09/03/15 11:35 • (LCSD) 09/03/15 11:39

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 %
Hardness	200	215	211	108	106	85.0-115			1.88	20

L786037-02 Original Sample (OS) • Matrix Spike (MS)

(OS) 09/03/15 11:43 • (MS) 09/03/15 11:44

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Hardness	150	62.1	175	75.3	1	80.0-120	J6

L786200-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 09/03/15 11:55 • (MS) 09/03/15 11:56 • (MSD) 09/03/15 11:56

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 %
Hardness	150	38.0	172	174	89.3	90.7	1	80.0-120			1.16	20

Method Blank (MB)

(MB) 09/08/15 08:03

Analyte	MB Result mg/l	MB Qualifier	MB RDL mg/l
Alkalinity	ND		20.0

L786344-02 Original Sample (OS) • Duplicate (DUP)

(OS) 09/08/15 08:03 • (DUP) 09/08/15 08:03

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Alkalinity	390	380	5	2.1		20

L786347-01 Original Sample (OS) • Duplicate (DUP)

(OS) 09/08/15 08:03 • (DUP) 09/08/15 08:03

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Alkalinity	690	680	5	2.0		20

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

(LCS) 09/08/15 08:03 • (LCSD) 09/08/15 08:03

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 %
Alkalinity	100	111	108	111	108	85.0-115			2.74	20

L786368-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 09/08/15 08:03 • (MS) 09/08/15 08:03 • (MSD) 09/08/15 08:03

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Alkalinity	100	438	940	958	100	104	5	80.0-120			1.90	20

Method Blank (MB)

(MB) 09/02/15 07:30

Analyte	MB Result mg/l	MB Qualifier	MB RDL mg/l
Bromide	ND		1.00
Nitrate	ND		0.100
Nitrite	ND		0.100
Sulfate	ND		5.00

L786299-01 Original Sample (OS) • Duplicate (DUP)

(OS) 09/02/15 15:29 • (DUP) 09/02/15 15:42

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Bromide	0.0344	0.000	1	0		20
Nitrate	0.335	0.310	1	8		20
Nitrite	ND	0.000	1	0		20
Sulfate	44.5	43.7	1	2		20

L786365-01 Original Sample (OS) • Duplicate (DUP)

(OS) 09/02/15 20:20 • (DUP) 09/02/15 20:34

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Bromide	0.135	0.124	1	0		20
Nitrate	ND	0.000	1	0		20
Nitrite	ND	0.000	1	0		20
Sulfate	16.5	16.2	1	1		20

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

(LCS) 09/02/15 07:44 • (LCSD) 09/02/15 07:57

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 %
Bromide	40.0	40.8	41.0	102	103	90-110			0	20
Nitrate	8.00	8.47	8.55	106	107	90-110			1	20
Nitrite	8.00	7.90	7.96	99	99	90-110			1	20
Sulfate	40.0	39.2	39.5	98	99	90-110			1	20

L786299-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 09/02/15 15:56 • (MS) 09/02/15 16:10 • (MSD) 09/02/15 16:24

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 %
Bromide	50.0	ND	52.2	52.6	104	105	1	80-120			1	20
Nitrate	5.00	0.354	5.76	5.79	108	109	1	80-120			1	20
Nitrite	5.00	ND	5.34	5.39	107	108	1	80-120			1	20
Sulfate	50.0	0.124	53.9	54.2	107	108	1	80-120			1	20

Method Blank (MB)

(MB) 09/09/15 09:15

Analyte	MB Result mg/l	MB Qualifier	MB RDL mg/l
Chloride	ND		1.00

L786146-10 Original Sample (OS) • Duplicate (DUP)

(OS) 09/09/15 11:20 • (DUP) 09/09/15 11:33

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	36.9	35.3	10	4		20

L786344-10 Original Sample (OS) • Duplicate (DUP)

(OS) 09/09/15 16:59 • (DUP) 09/09/15 17:13

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	45.0	45.0	1	0		20

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

(LCS) 09/09/15 09:29 • (LCSD) 09/09/15 09:43

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Chloride	40.0	39.8	39.5	100	99	90-110			1	20

L786146-11 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 09/09/15 11:47 • (MS) 09/09/15 12:01 • (MSD) 09/09/15 12:15

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	5.00	8.68	505	519	99	102	10	80-120			3	20

Method Blank (MB)

(MB) 09/10/15 09:25

Analyte	MB Result mg/l	MB Qualifier	MB RDL mg/l
Fluoride	ND		0.100

L786624-08 Original Sample (OS) • Duplicate (DUP)

(OS) 09/10/15 13:09 • (DUP) 09/10/15 13:23

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Fluoride	ND	0.000	10	0		20

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

(LCS) 09/10/15 09:39 • (LCSD) 09/10/15 09:53

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Fluoride	8.00	7.92	7.89	99	99	90-110			0	20

L786346-02 Original Sample (OS) • Duplicate (DUP)

(OS) 09/04/15 14:50 • (DUP) 09/04/15 14:50

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	su	su		%		%
pH	7.2	7.2	1	0.14		1

L786820-04 Original Sample (OS) • Duplicate (DUP)

(OS) 09/04/15 14:50 • (DUP) 09/04/15 14:50

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	su	su		%		%
pH	8.0	8.0	1	0.25		1

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

(LCS) 09/04/15 14:50 • (LCSD) 09/04/15 14:50

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	su	su	su	%	%	%			%	%
pH	6.37	6.39	6.38	100	100	98.2-102			0.157	20

Method Blank (MB)

(MB) 09/03/15 15:03

Analyte	MB Result mg/l	MB Qualifier	MB RDL mg/l
Mercury,Dissolved	ND		0.000200

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

(LCS) 09/03/15 15:05 • (LCSD) 09/03/15 15:07

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,Dissolved	0.00300	0.00288	0.00261	96	87	85-115			10	20

L786347-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 09/03/15 15:09 • (MS) 09/03/15 15:12 • (MSD) 09/03/15 15:14

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Mercury,Dissolved	0.00300	ND	0.000256	0.000198	9	7	1	70-130	J6	J3 J6	25	20

Method Blank (MB)

(MB) 09/08/15 21:46

Analyte	MB Result mg/l	MB Qualifier	MB RDL mg/l
Arsenic,Dissolved	ND		0.0100
Barium,Dissolved	ND		0.00500
Cadmium,Dissolved	ND		0.00200
Chromium,Dissolved	ND		0.0100
Lead,Dissolved	ND		0.00500
Selenium,Dissolved	ND		0.0100
Silver,Dissolved	ND		0.00500

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

(LCS) 09/08/15 23:09 • (LCSD) 09/08/15 21:51

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Arsenic,Dissolved	1.00	1.06	1.06	106	106	85-115			0	20
Barium,Dissolved	1.00	1.05	1.05	105	105	85-115			0	20
Cadmium,Dissolved	1.00	1.08	1.07	108	107	85-115			1	20
Chromium,Dissolved	1.00	1.05	1.05	105	105	85-115			0	20
Lead,Dissolved	1.00	1.10	1.08	110	108	85-115			1	20
Selenium,Dissolved	1.00	1.13	1.13	113	113	85-115			0	20
Silver,Dissolved	1.00	1.07	1.07	107	107	85-115			0	20

L786138-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 09/08/15 22:00 • (MS) 09/08/15 22:06 • (MSD) 09/08/15 22:08

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic,Dissolved	1.00	0.0785	1.14	1.15	106	107	1	75-125			1	20
Barium,Dissolved	1.00	0.946	1.93	1.94	99	100	1	75-125			1	20
Cadmium,Dissolved	1.00	ND	1.06	1.07	106	107	1	75-125			1	20
Chromium,Dissolved	1.00	ND	1.02	1.03	102	103	1	75-125			1	20
Lead,Dissolved	1.00	0.000617	1.09	1.10	109	109	1	75-125			1	20
Selenium,Dissolved	1.00	0.00326	1.13	1.14	113	114	1	75-125			1	20
Silver,Dissolved	1.00	ND	1.06	1.07	106	107	1	75-125			1	20

Method Blank (MB)

(MB) 09/06/15 07:21

Analyte	MB Result mg/l	MB Qualifier	MB RDL mg/l
Benzene	ND		0.00100
Bromodichloromethane	ND		0.00100
Bromoform	ND		0.00100
Bromomethane	ND		0.00500
Carbon tetrachloride	ND		0.00100
Chlorobenzene	ND		0.00100
Chlorodibromomethane	ND		0.00100
Chloroethane	ND		0.00500
2-Chloroethyl vinyl ether	ND		0.0500
Chloroform	ND		0.00500
Chloromethane	ND		0.00250
1,2-Dichlorobenzene	ND		0.00100
1,3-Dichlorobenzene	ND		0.00100
1,4-Dichlorobenzene	ND		0.00100
Dichlorodifluoromethane	ND		0.00500
1,1-Dichloroethane	ND		0.00100
1,2-Dichloroethane	ND		0.00100
1,1-Dichloroethene	ND		0.00100
trans-1,2-Dichloroethene	ND		0.00100
1,2-Dichloropropane	ND		0.00100
cis-1,3-Dichloropropene	ND		0.00100
trans-1,3-Dichloropropene	ND		0.00100
Ethylbenzene	ND		0.00100
Methylene Chloride	ND		0.00500
Methyl tert-butyl ether	ND		0.00500
Naphthalene	ND		0.00500
1,1,2,2-Tetrachloroethane	ND		0.00100
Tetrachloroethene	ND		0.00100
Toluene	ND		0.00500
1,1,1-Trichloroethane	ND		0.00100
1,1,2-Trichloroethane	ND		0.00100
Trichloroethene	ND		0.00100
Trichlorofluoromethane	ND		0.00500
Vinyl chloride	ND		0.00100
Xylenes, Total	ND		0.00300
(S) Toluene-d8	*107*		*90.0-115*

Method Blank (MB)

(MB) 09/06/15 07:21

Analyte	MB Result mg/l	MB Qualifier	MB RDL mg/l
(S) Dibromofluoromethane	*98.4*		*79.0-121*
(S) α,α,α-Trifluorotoluene	*103*		*90.4-116*
(S) 4-Bromofluorobenzene	*100*		*80.1-120*

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

(LCS) 09/06/15 04:24 • (LCSD) 09/06/15 10:29

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzene	0.0250	0.0212	0.0205	84.8	81.9	73.0-122			3.44	20
Bromodichloromethane	0.0250	0.0253	0.0242	101	96.8	75.5-121			4.48	20
Bromoform	0.0250	0.0258	0.0254	103	101	71.5-131			1.54	20
Bromomethane	0.0250	0.0192	0.0184	76.8	73.5	22.4-187			4.39	20
Carbon tetrachloride	0.0250	0.0208	0.0198	83.2	79.2	70.9-129			4.89	20
Chlorobenzene	0.0250	0.0216	0.0212	86.2	84.8	79.7-122			1.65	20
Chlorodibromomethane	0.0250	0.0237	0.0231	94.7	92.3	78.2-124			2.49	20
Chloroethane	0.0250	0.0198	0.0189	79.2	75.7	41.2-153			4.47	20
2-Chloroethyl vinyl ether	0.125	0.118	0.116	94.1	92.4	23.4-162			1.83	23.5
Chloroform	0.0250	0.0220	0.0215	88.1	86.0	73.2-125			2.46	20
Chloromethane	0.0250	0.0215	0.0207	85.8	82.8	55.8-134			3.58	20
1,2-Dichlorobenzene	0.0250	0.0240	0.0233	96.2	93.2	84.7-118			3.11	20
1,3-Dichlorobenzene	0.0250	0.0251	0.0243	100	97.3	77.6-127			3.00	20
1,4-Dichlorobenzene	0.0250	0.0222	0.0222	89.0	88.8	82.2-114			0.240	20
Dichlorodifluoromethane	0.0250	0.0181	0.0183	72.2	73.0	56.0-134			1.13	20
1,1-Dichloroethane	0.0250	0.0227	0.0222	90.9	88.8	71.7-127			2.37	20
1,2-Dichloroethane	0.0250	0.0239	0.0237	95.5	94.9	65.3-126			0.610	20
1,1-Dichloroethene	0.0250	0.0215	0.0208	86.1	83.2	59.9-137			3.42	20
trans-1,2-Dichloroethene	0.0250	0.0202	0.0195	80.7	77.9	72.6-125			3.48	20
1,2-Dichloropropane	0.0250	0.0257	0.0250	103	100	77.4-125			2.69	20
cis-1,3-Dichloropropene	0.0250	0.0250	0.0245	99.8	97.9	77.7-124			1.96	20
trans-1,3-Dichloropropene	0.0250	0.0230	0.0225	92.0	90.2	73.5-127			1.99	20
Ethylbenzene	0.0250	0.0212	0.0205	84.7	82.1	80.9-121			3.15	20
Methylene Chloride	0.0250	0.0210	0.0197	84.0	78.8	69.5-120			6.44	20
Methyl tert-butyl ether	0.0250	0.0228	0.0224	91.4	89.5	70.1-125			2.08	20
Naphthalene	0.0250	0.0216	0.0170	86.5	68.0	69.7-134		J3 J4	23.9	20
1,1,2,2-Tetrachloroethane	0.0250	0.0246	0.0236	98.4	94.2	79.3-123			4.38	20

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

(LCS) 09/06/15 04:24 • (LCSD) 09/06/15 10:29

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Tetrachloroethene	0.0250	0.0208	0.0198	83.0	79.3	73.5-130			4.65	20
Toluene	0.0250	0.0218	0.0211	87.2	84.4	77.9-116			3.35	20
1,1,1-Trichloroethane	0.0250	0.0208	0.0200	83.1	80.0	71.1-129			3.86	20
1,1,2-Trichloroethane	0.0250	0.0226	0.0221	90.3	88.4	81.6-120			2.23	20
Trichloroethene	0.0250	0.0222	0.0214	88.9	85.7	79.5-121			3.71	20
Trichlorofluoromethane	0.0250	0.0197	0.0193	78.8	77.2	49.1-157			2.10	20
Vinyl chloride	0.0250	0.0199	0.0195	79.7	77.9	61.5-134			2.26	20
Xylenes, Total	0.0750	0.0636	0.0619	84.8	82.6	79.2-122			2.67	20
(S) Toluene-d8				*107*	*107*	*90.0-115*				
(S) Dibromofluoromethane				*97.3*	*97.6*	*79.0-121*				
(S) α,α,α-Trifluorotoluene				*104*	*104*	*90.4-116*				
(S) 4-Bromofluorobenzene				*99.8*	*99.0*	*80.1-120*				

L786225-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 09/06/15 13:29 • (MS) 09/06/15 12:11 • (MSD) 09/06/15 12:30

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Benzene	0.0250	ND	0.0212	0.0226	84.7	90.3	1	58.6-133			6.42	20
Bromodichloromethane	0.0250	ND	0.0255	0.0272	102	109	1	69.2-127			6.43	20
Bromoform	0.0250	ND	0.0274	0.0301	109	120	1	66.3-140			9.42	20
Bromomethane	0.0250	ND	0.0191	0.0202	76.4	80.9	1	16.6-183			5.81	20.5
Carbon tetrachloride	0.0250	ND	0.0209	0.0224	83.6	89.7	1	60.6-139			7.05	20
Chlorobenzene	0.0250	ND	0.0217	0.0232	86.9	92.7	1	70.1-130			6.44	20
Chlorodibromomethane	0.0250	ND	0.0245	0.0266	97.9	106	1	71.6-132			8.29	20
Chloroethane	0.0250	ND	0.0198	0.0203	79.0	81.3	1	33.3-155			2.85	20
2-Chloroethyl vinyl ether	0.125	ND	0.114	0.103	91.2	82.4	1	5.00-149			10.1	40
Chloroform	0.0250	ND	0.0222	0.0238	88.8	95.1	1	66.1-133			6.86	20
Chloromethane	0.0250	ND	0.0213	0.0224	85.3	89.6	1	40.7-139			4.95	20
1,2-Dichlorobenzene	0.0250	ND	0.0247	0.0258	98.9	103	1	77.4-127			4.07	20
1,3-Dichlorobenzene	0.0250	ND	0.0255	0.0270	102	108	1	67.9-136			5.82	20
1,4-Dichlorobenzene	0.0250	ND	0.0228	0.0240	91.3	96.1	1	74.4-123			5.11	20
Dichlorodifluoromethane	0.0250	ND	0.0186	0.0191	74.4	76.5	1	42.2-146			2.77	20
1,1-Dichloroethane	0.0250	ND	0.0230	0.0243	91.9	97.2	1	64.0-134			5.53	20
1,2-Dichloroethane	0.0250	ND	0.0245	0.0268	98.1	107	1	60.7-132			8.67	20
1,1-Dichloroethene	0.0250	ND	0.0215	0.0227	85.8	90.9	1	48.8-144			5.70	20

L786225-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 09/06/15 13:29 • (MS) 09/06/15 12:11 • (MSD) 09/06/15 12:30

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
trans-1,2-Dichloroethene	0.0250	ND	0.0204	0.0214	81.7	85.6	1	61.0-132			4.67	20
1,2-Dichloropropane	0.0250	ND	0.0263	0.0278	105	111	1	69.7-130			5.31	20
cis-1,3-Dichloropropene	0.0250	ND	0.0259	0.0275	104	110	1	71.1-129			5.77	20
trans-1,3-Dichloropropene	0.0250	ND	0.0273	0.0291	109	116	1	66.3-136			6.36	20
Ethylbenzene	0.0250	ND	0.0211	0.0223	84.4	89.2	1	62.7-136			5.55	20
Methylene Chloride	0.0250	0.000517	0.0207	0.0222	80.6	86.9	1	61.5-125			7.38	20
Methyl tert-butyl ether	0.0250	ND	0.0243	0.0266	97.0	107	1	61.4-136			9.37	20
Naphthalene	0.0250	ND	0.0202	0.0227	81.0	90.7	1	61.8-143			11.4	20
1,1,2,2-Tetrachloroethane	0.0250	ND	0.0258	0.0282	103	113	1	64.9-145			8.85	20
Tetrachloroethene	0.0250	1.10	0.798	0.755	0.000	0.000	1	57.4-141	J6	J6	5.58	20
Toluene	0.0250	ND	0.0218	0.0234	87.0	93.4	1	67.8-124			7.12	20
1,1,1-Trichloroethane	0.0250	ND	0.0210	0.0225	84.1	89.9	1	58.7-134			6.63	20
1,1,2-Trichloroethane	0.0250	ND	0.0232	0.0253	93.0	101	1	74.1-130			8.34	20
Trichloroethene	0.0250	0.0103	0.0304	0.0313	80.2	84.0	1	48.9-148			3.06	20
Trichlorofluoromethane	0.0250	ND	0.0198	0.0208	79.4	83.1	1	39.9-165			4.57	20
Vinyl chloride	0.0250	ND	0.0201	0.0211	80.2	84.6	1	44.3-143			5.32	20
Xylenes, Total	0.0750	ND	0.0637	0.0676	85.0	90.2	1	65.6-133			5.96	20
(S) Toluene-d8					*105*	*107*		*90.0-115*				
(S) Dibromofluoromethane					*97.3*	*98.7*		*79.0-121*				
(S) α,α,α-Trifluorotoluene					*103*	*104*		*90.4-116*				
(S) 4-Bromofluorobenzene					*99.4*	*100*		*80.1-120*				

Method Blank (MB)

(MB) 09/04/15 06:06

Analyte	MB Result mg/l	MB Qualifier	MB RDL mg/l
Acenaphthene	ND		0.00100
Acenaphthylene	ND		0.00100
Anthracene	ND		0.00100
Benzidine	ND		0.0100
Benzo(a)anthracene	ND		0.00100
Benzo(b)fluoranthene	ND		0.00100
Benzo(k)fluoranthene	ND		0.00100
Benzo(g,h,i)perylene	ND		0.00100
Benzo(a)pyrene	ND		0.00100
Bis(2-chlorethoxy)methane	ND		0.0100
Bis(2-chloroethyl)ether	ND		0.0100
Bis(2-chloroisopropyl)ether	ND		0.0100
4-Bromophenyl-phenylether	ND		0.0100
2-Chloronaphthalene	ND		0.00100
4-Chlorophenyl-phenylether	ND		0.0100
Chrysene	ND		0.00100
Dibenz(a,h)anthracene	ND		0.00100
3,3-Dichlorobenzidine	ND		0.0100
2,4-Dinitrotoluene	ND		0.0100
2,6-Dinitrotoluene	ND		0.0100
Fluoranthene	ND		0.00100
Fluorene	ND		0.00100
Hexachlorobenzene	ND		0.00100
Hexachloro-1,3-butadiene	ND		0.0100
Hexachlorocyclopentadiene	ND		0.0100
Hexachloroethane	ND		0.0100
Indeno(1,2,3-cd)pyrene	ND		0.00100
Isophorone	ND		0.0100
Naphthalene	ND		0.00100
Nitrobenzene	ND		0.0100
n-Nitrosodimethylamine	ND		0.0100
1,2-Diphenylhydrazine	ND		0.0100
n-Nitrosodiphenylamine	ND		0.0100
n-Nitrosodi-n-propylamine	ND		0.0100
Phenanthrene	ND		0.00100
Benzylbutyl phthalate	ND		0.00300

Method Blank (MB)

(MB) 09/04/15 06:06

Analyte	MB Result mg/l	MB Qualifier	MB RDL mg/l
Bis(2-ethylhexyl)phthalate	ND		0.00300
Di-n-butyl phthalate	ND		0.00300
Diethyl phthalate	ND		0.00300
Dimethyl phthalate	ND		0.00300
Di-n-octyl phthalate	ND		0.00300
Pyrene	ND		0.00100
1,2,4-Trichlorobenzene	ND		0.0100
4-Chloro-3-methylphenol	ND		0.0100
2-Chlorophenol	ND		0.0100
2,4-Dichlorophenol	ND		0.0100
2,4-Dimethylphenol	ND		0.0100
4,6-Dinitro-2-methylphenol	ND		0.0100
2,4-Dinitrophenol	ND		0.0100
2-Nitrophenol	ND		0.0100
4-Nitrophenol	ND		0.0100
Pentachlorophenol	ND		0.0100
Phenol	ND		0.0100
2,4,6-Trichlorophenol	ND		0.0100
(S) Nitrobenzene-d5	*43.4*		*21.8-123*
(S) 2-Fluorobiphenyl	*48.5*		*29.5-131*
(S) p-Terphenyl-d14	*73.3*		*29.3-137*
(S) Phenol-d5	*29.6*		*5.00-70.1*
(S) 2-Fluorophenol	*36.6*		*10.0-77.9*
(S) 2,4,6-Tribromophenol	*58.7*		*11.2-130*

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

(LCS) 09/04/15 05:19 • (LCSD) 09/04/15 05:42

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acenaphthene	0.0500	0.0319	0.0257	63.8	51.4	38.7-109		J3	21.6	21.5
Acenaphthylene	0.0500	0.0336	0.0273	67.2	54.6	36.0-106			20.8	21
Anthracene	0.0500	0.0399	0.0325	79.9	64.9	43.6-113		J3	20.7	18.8
Benzo(a)anthracene	0.0500	0.0392	0.0320	78.4	64.1	51.2-112		J3	20.1	20
Benzidine	0.0500	0.0236	0.0247	47.3	49.3	10.0-165			4.23	40
Benzo(b)fluoranthene	0.0500	0.0386	0.0320	77.2	64.1	47.6-111			18.5	20

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

(LCS) 09/04/15 05:19 • (LCSD) 09/04/15 05:42

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzo(k)fluoranthene	0.0500	0.0393	0.0316	78.5	63.2	49.4-114		J3	21.6	20
Benzo(g,h,i)perylene	0.0500	0.0428	0.0325	85.6	65.0	45.2-117		J3	27.4	20
Benzo(a)pyrene	0.0500	0.0408	0.0329	81.6	65.7	45.6-106		J3	21.6	20
Bis(2-chlorethoxy)methane	0.0500	0.0252	0.0208	50.3	41.6	37.2-111			19.0	24.1
Bis(2-chloroethyl)ether	0.0500	0.0166	0.0141	33.2	28.2	22.6-108			16.5	27.9
Bis(2-chloroisopropyl)ether	0.0500	0.0195	0.0164	39.0	32.8	32.9-100		J4	17.4	25.1
4-Bromophenyl-phenylether	0.0500	0.0383	0.0317	76.6	63.4	40.7-116			18.9	21
2-Chloronaphthalene	0.0500	0.0295	0.0235	59.0	47.1	33.6-105			22.5	23
1,2-Diphenylhydrazine	0.0500	0.0371	0.0299	74.2	59.7	37.6-111		J3	21.6	21.1
4-Chlorophenyl-phenylether	0.0500	0.0382	0.0302	76.4	60.4	39.0-113		J3	23.4	20.9
Chrysene	0.0500	0.0376	0.0306	75.2	61.2	54.6-120		J3	20.5	20
Dibenz(a,h)anthracene	0.0500	0.0420	0.0322	84.1	64.4	42.8-118		J3	26.6	20
3,3-Dichlorobenzidine	0.0500	0.0415	0.0340	82.9	68.0	27.2-142			19.8	22.3
2,4-Dinitrotoluene	0.0500	0.0407	0.0337	81.5	67.5	31.2-105			18.8	22
2,6-Dinitrotoluene	0.0500	0.0369	0.0309	73.8	61.8	30.6-106			17.7	23.1
Fluoranthene	0.0500	0.0427	0.0340	85.3	68.0	45.9-115		J3	22.6	20
Fluorene	0.0500	0.0380	0.0304	76.0	60.8	41.0-112		J3	22.3	20.2
Hexachlorobenzene	0.0500	0.0379	0.0306	75.8	61.2	38.5-116		J3	21.4	20.1
Hexachloro-1,3-butadiene	0.0500	0.0187	0.0151	37.4	30.2	16.1-104			21.4	31.2
Hexachlorocyclopentadiene	0.0500	0.0134	0.0110	26.8	22.0	10.0-121			20.0	27.9
Hexachloroethane	0.0500	0.0134	0.0110	26.9	22.0	16.5-89.8			20.1	30.7
Indeno(1,2,3-cd)pyrene	0.0500	0.0433	0.0328	86.7	65.7	45.0-116		J3	27.6	20
Isophorone	0.0500	0.0325	0.0273	65.0	54.5	35.4-112			17.5	21.5
Naphthalene	0.0500	0.0200	0.0163	40.0	32.5	32.2-101			20.6	23.8
Nitrobenzene	0.0500	0.0204	0.0173	40.8	34.6	31.4-106			16.4	25.7
n-Nitrosodiphenylamine	0.0500	0.0371	0.0303	74.2	60.5	44.4-113		J3	20.3	20
n-Nitrosodi-n-propylamine	0.0500	0.0164	0.0200	32.8	40.1	33.2-106	J4		19.9	23.7
n-Nitrosodimethylamine	0.0500	0.00641	0.00663	12.8	13.3	10.0-80.1			3.44	37.5
Phenanthrene	0.0500	0.0361	0.0290	72.2	58.1	46.4-113		J3	21.7	20
Benzylbutyl phthalate	0.0500	0.0384	0.0311	76.8	62.1	31.8-123		J3	21.1	20.7
Bis(2-ethylhexyl)phthalate	0.0500	0.0367	0.0303	73.3	60.5	36.9-134			19.1	23.6
Di-n-butyl phthalate	0.0500	0.0389	0.0308	77.9	61.6	41.8-120		J3	23.3	20.2
Diethyl phthalate	0.0500	0.0432	0.0350	86.4	70.0	36.5-129		J3	21.0	20
Dimethyl phthalate	0.0500	0.0401	0.0323	80.2	64.5	35.3-128		J3	21.6	20.8
Di-n-octyl phthalate	0.0500	0.0382	0.0316	76.5	63.2	39.7-112			19.0	21.1
Pyrene	0.0500	0.0412	0.0327	82.4	65.3	46.3-117		J3	23.1	20

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

(LCS) 09/04/15 05:19 • (LCSD) 09/04/15 05:42

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
1,2,4-Trichlorobenzene	0.0500	0.0186	0.0154	37.3	30.8	22.9-96.1			19.0	27.5
4-Chloro-3-methylphenol	0.0500	0.0362	0.0293	72.3	58.6	35.7-100			21.0	22.9
2-Chlorophenol	0.0500	0.0177	0.0147	35.4	29.4	26.2-91.5			18.8	26.5
2,4-Dichlorophenol	0.0500	0.0270	0.0224	54.0	44.7	31.4-103			18.8	24.9
2,4-Dimethylphenol	0.0500	0.0268	0.0221	53.5	44.1	31.9-107			19.3	25.7
4,6-Dinitro-2-methylphenol	0.0500	0.0370	0.0315	74.0	62.9	18.4-148			16.1	24.4
2,4-Dinitrophenol	0.0500	0.0314	0.0268	62.8	53.7	24.2-128			15.7	20.5
2-Nitrophenol	0.0500	0.0244	0.0192	48.7	38.4	25.9-106			23.7	26.9
4-Nitrophenol	0.0500	0.0243	0.0197	48.6	39.3	10.0-52.7			21.2	40
Pentachlorophenol	0.0500	0.0370	0.0293	74.0	58.7	10.9-97.4			23.2	35.1
Phenol	0.0500	0.0125	0.0104	25.0	20.8	10.0-57.9			18.2	35
2,4,6-Trichlorophenol	0.0500	0.0358	0.0289	71.7	57.8	29.8-107			21.4	24.1
(S) Nitrobenzene-d5				*39.3*	*32.8*	*21.8-123*				
(S) 2-Fluorobiphenyl				*56.2*	*47.1*	*29.5-131*				
(S) p-Terphenyl-d14				*75.1*	*58.6*	*29.3-137*				
(S) Phenol-d5				*24.9*	*20.6*	*5.00-70.1*				
(S) 2-Fluorophenol				*25.0*	*20.6*	*10.0-77.9*				
(S) 2,4,6-Tribromophenol				*78.6*	*61.6*	*11.2-130*				

L786033-17 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 09/04/15 06:29 • (MS) 09/04/15 06:52 • (MSD) 09/04/15 07:15

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 %
Acenaphthene	0.0500	ND	0.0321	0.0331	64.3	66.2	1	30.7-124			2.89	22.6
Acenaphthylene	0.0500	ND	0.0337	0.0344	67.3	68.8	1	29.0-122			2.13	23.9
Anthracene	0.0500	ND	0.0381	0.0393	76.2	78.6	1	34.2-135			3.07	20
Benzo(a)anthracene	0.0500	ND	0.0385	0.0382	76.9	76.4	1	35.7-138			0.660	20
Benzidine	0.0500	0.00695	0.0264	0.0259	38.9	37.8	1	10.0-159			2.03	40
Benzo(b)fluoranthene	0.0500	ND	0.0396	0.0364	79.1	72.8	1	23.0-145			8.25	20
Benzo(k)fluoranthene	0.0500	ND	0.0371	0.0365	74.3	73.1	1	29.5-143			1.63	20
Benzo(g,h,i)perylene	0.0500	ND	0.0389	0.0381	77.9	76.2	1	10.0-148			2.15	21
Benzo(a)pyrene	0.0500	ND	0.0399	0.0398	79.9	79.7	1	23.3-135			0.240	20
Bis(2-chlorethoxy)methane	0.0500	ND	0.0266	0.0289	53.2	57.8	1	26.4-127			8.25	25.8
1,2-Diphenylhydrazine	0.0500	ND	0.0359	0.0355	71.7	71.1	1	25.2-135			0.920	20
Bis(2-chloroethyl)ether	0.0500	ND	0.0154	0.0166	30.7	33.2	1	10.0-154			7.87	40

L786033-17 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 09/04/15 06:29 • (MS) 09/04/15 06:52 • (MSD) 09/04/15 07:15

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 %
Bis(2-chloroisopropyl)ether	0.0500	ND	0.0196	0.0212	39.3	42.4	1	19.4-126			7.62	37.2
4-Bromophenyl-phenylether	0.0500	ND	0.0375	0.0380	75.1	75.9	1	34.3-135			1.08	23.2
2-Chloronaphthalene	0.0500	ND	0.0305	0.0324	61.0	64.8	1	29.7-114			6.08	24.2
4-Chlorophenyl-phenylether	0.0500	ND	0.0376	0.0366	75.1	73.3	1	35.6-127			2.46	20
Chrysene	0.0500	ND	0.0374	0.0364	74.8	72.8	1	37.0-145			2.82	20
Dibenz(a,h)anthracene	0.0500	ND	0.0386	0.0381	77.2	76.1	1	10.0-147			1.41	22.3
3,3-Dichlorobenzidine	0.0500	ND	0.0409	0.0406	81.8	81.2	1	10.0-162			0.770	26.9
2,4-Dinitrotoluene	0.0500	ND	0.0396	0.0400	79.2	79.9	1	16.2-135			0.960	20.6
2,6-Dinitrotoluene	0.0500	ND	0.0360	0.0359	72.1	71.9	1	25.2-124			0.250	22.2
Fluoranthene	0.0500	ND	0.0416	0.0410	83.3	82.1	1	37.1-139			1.50	20
Fluorene	0.0500	ND	0.0369	0.0366	73.8	73.3	1	10.0-162			0.710	20
Hexachlorobenzene	0.0500	ND	0.0364	0.0371	72.9	74.2	1	31.9-135			1.85	20
Hexachloro-1,3-butadiene	0.0500	ND	0.0200	0.0206	40.0	41.2	1	15.7-109			2.90	37.6
Hexachlorocyclopentadiene	0.0500	ND	0.0148	0.0160	29.5	32.0	1	10.0-123			8.19	27.8
Hexachloroethane	0.0500	ND	0.00958	0.00867	19.2	17.3	1	10.4-105			9.90	40
Indeno(1,2,3-cd)pyrene	0.0500	ND	0.0395	0.0388	79.0	77.6	1	10.0-145			1.86	20
Isophorone	0.0500	ND	0.0314	0.0345	62.8	68.9	1	25.9-133			9.26	22.9
Naphthalene	0.0500	ND	0.0218	0.0241	43.6	48.1	1	20.2-114			9.72	27.5
Nitrobenzene	0.0500	ND	0.0217	0.0246	43.4	49.2	1	23.1-121			12.3	29
n-Nitrosodiphenylamine	0.0500	ND	0.0360	0.0367	72.0	73.3	1	20.6-150			1.88	20
n-Nitrosodi-n-propylamine	0.0500	ND	0.0239	0.0264	47.7	52.7	1	23.9-125			10.0	29.7
n-Nitrosodimethylamine	0.0500	0.000175	0.00450	0.00330	8.64	6.26	1	10.0-94.5	J6	J6	30.6	40
Phenanthrene	0.0500	ND	0.0346	0.0351	69.2	70.3	1	33.0-139			1.46	20
Benzylbutyl phthalate	0.0500	ND	0.0373	0.0376	74.6	75.1	1	13.3-159			0.700	21.2
Bis(2-ethylhexyl)phthalate	0.0500	0.00112	0.0347	0.0346	67.1	66.9	1	15.5-152			0.310	27.6
Di-n-butyl phthalate	0.0500	0.00132	0.0361	0.0373	69.6	72.0	1	26.0-152			3.18	20
Diethyl phthalate	0.0500	ND	0.0424	0.0409	84.7	81.7	1	21.6-154			3.63	20
Dimethyl phthalate	0.0500	ND	0.0384	0.0382	76.7	76.4	1	10.0-157			0.380	20
Di-n-octyl phthalate	0.0500	ND	0.0361	0.0359	72.1	71.7	1	12.3-145			0.580	22.9
Pyrene	0.0500	ND	0.0399	0.0392	79.7	78.5	1	35.5-139			1.59	20
1,2,4-Trichlorobenzene	0.0500	ND	0.0202	0.0220	40.3	44.0	1	21.4-101			8.67	31.3
4-Chloro-3-methylphenol	0.0500	ND	0.0353	0.0363	70.6	72.5	1	35.7-110			2.70	20
2-Chlorophenol	0.0500	ND	0.0168	0.0165	33.7	33.0	1	13.9-105			2.17	32.4
2,4-Dichlorophenol	0.0500	ND	0.0298	0.0317	59.5	63.3	1	34.7-107			6.14	27.3
2,4-Dimethylphenol	0.0500	ND	0.0281	0.0312	56.2	62.4	1	10.0-152			10.5	35.4
4,6-Dinitro-2-methylphenol	0.0500	ND	0.0317	0.0296	63.4	59.1	1	10.0-151			6.89	37.4

L786033-17 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 09/04/15 06:29 • (MS) 09/04/15 06:52 • (MSD) 09/04/15 07:15

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 %
2,4-Dinitrophenol	0.0500	ND	0.0282	0.0243	56.3	48.6	1	10.0-136			14.7	40
2-Nitrophenol	0.0500	ND	0.0241	0.0278	48.3	55.5	1	26.7-114			14.0	34
4-Nitrophenol	0.0500	ND	0.0161	0.0146	32.2	29.2	1	10.0-130			9.98	40
Pentachlorophenol	0.0500	ND	0.0309	0.0297	61.8	59.4	1	10.0-108			3.96	40
Phenol	0.0500	ND	0.0127	0.0130	25.4	26.1	1	10.0-64.1			2.47	40
2,4,6-Trichlorophenol	0.0500	ND	0.0339	0.0348	67.7	69.6	1	19.1-114			2.63	29.9
(S) Nitrobenzene-d5					*40.2*	*47.5*		*21.8-123*				
(S) 2-Fluorobiphenyl					*58.0*	*62.2*		*29.5-131*				
(S) p-Terphenyl-d14					*68.1*	*67.9*		*29.3-137*				
(S) Phenol-d5					*23.7*	*25.4*		*5.00-70.1*				
(S) 2-Fluorophenol					*16.2*	*14.7*		*10.0-77.9*				
(S) 2,4,6-Tribromophenol					*68.0*	*74.8*		*11.2-130*				

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
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
O1	The analyte failed the method required serial dilution test and/or subsequent post-spike criteria. These failures indicate matrix interference.

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Mississippi	TN00003
Missouri	340
Montana	CERT0086
Nebraska	NE-OS-15-05
Nevada	TN-03-2002-34
New Hampshire	2975
New Jersey–NELAP	TN002
New Mexico	TN00003
New York	11742
North Carolina	Env375
North Carolina [1]	DW21704
North Carolina [2]	41
North Dakota	R-140
Ohio–VAP	CL0069
Oklahoma	9915
Oregon	TN200002
Pennsylvania	68-02979
Rhode Island	221
South Carolina	84004
South Dakota	n/a
Tennessee [1 4]	2006
Texas	T 104704245-07-TX
Texas [5]	LAB0152
Utah	6157585858
Vermont	VT2006
Virginia	109
Washington	C1915
West Virginia	233
Wisconsin	9980939910
Wyoming	A2LA

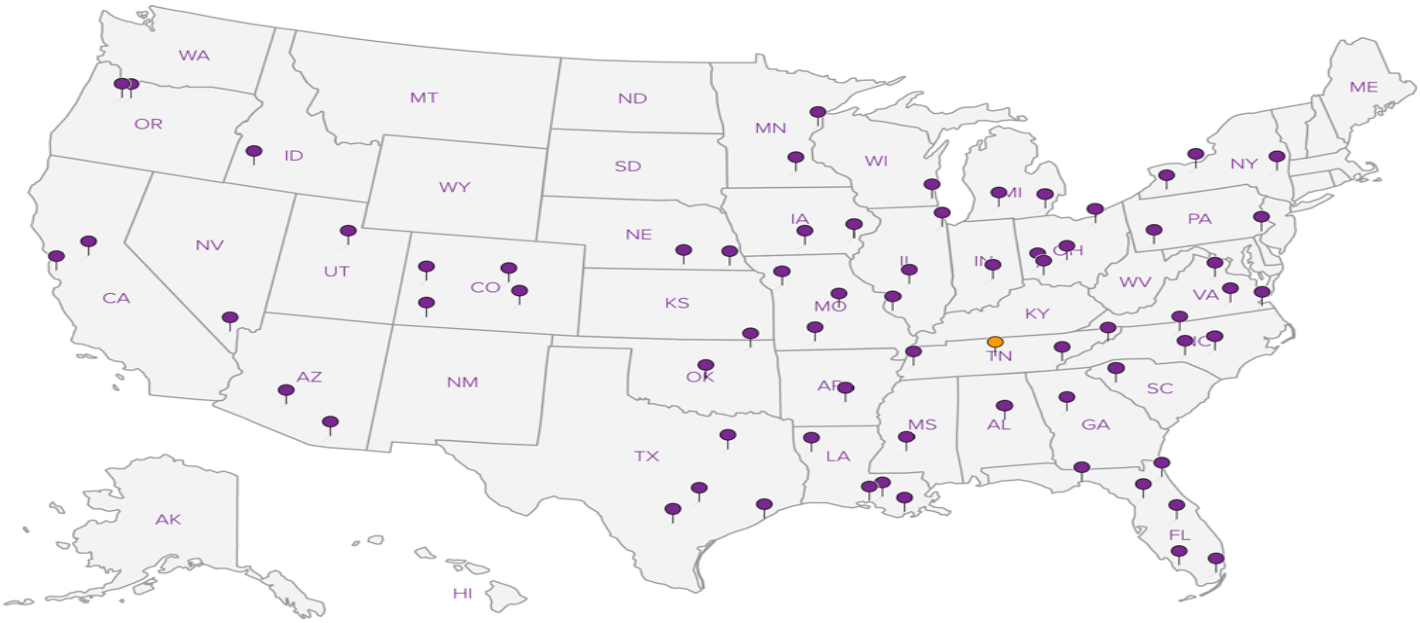
[1.] Drinking Water [2.] Underground Storage Tanks [3.] Aquatic Toxicity [4.] Chemical/Microbiological [5.] Mold [n/a] Accreditation not applicable

Third Party & Federal Accreditations

A2LA – ISO 17025	1461.01
Canada	1461.01
EPA–Crypto	TN00003
AIHA	100789
DOD	1461.01
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.**



Company Name/Address:
WPX Energy Rocky Mountain
1058 County Road 215
Parachute CO, 81635

Billing Information:
WILPCO043015B

Report to: Ryan Smith

Email To: phillip.smith@wpxenergy.com

Project Description: Grand Valley Pit Sampling

City/State Collected: CO

Phone: 970-210-9950
Fax:

Client Project #

Lab Project #

Collected by (print): Ryan Smith

Site/Facility ID #

P.O. #

Collected by (signature):

Immediately Packed on Ice N ✓ Y ___

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

Date Results Needed

Email? ___No ✓Yes
FAX? ___No ___Yes

Analysis / Container / Preservative

Chain of Custody Page ___ of ___

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 # L786347

G133

Acctnum:
Template:
Prelogin:
TSR:
Cooler:
Shipped Via:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	See Attached	Rem./Contaminant	Sample # (lab only)
Starkey gulch Pit	Grab	WW		09/01/2015	09:34 am	12	X		-01

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

Remarks:

pH _____ Temp _____
Flow _____ Other _____

6436713599 03

Hold #

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
	09.01.15	1100	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
	09.01.15	1730	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)

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

Temp: 3.8 °C Bottles Received: 12

Date: 9/1/15 Time: 0900

Condition: 75 (lab use only) OK

COC Seal Intact: ___Y ___N ✓NA

pH Checked: L2

NCF:

L786347

Blaney, Karolina

Subject: FW: please help
Attachments: Pond water transfer sample.xls

*	VOLATILE ORGANIC COMPOUNDS	EPA METHOD 624 (GC/MS)
*	SEMI-VOLATILE ORGANIC COMPOUNDS	EPA METHOD 625 (GC/MS)
*	DISSOLVED METALS	EPA METHOD 200.7 (ICP)
*	DISSOLVED INORGANICS (NON-METALS)	EPA METHOD 300.0 (IC)
o	Br,Cl,F,Nitrate/Nitrite, Sulfate	
*	GENERAL WATER QUALITY PARAMETERS	
o	SPECIFIC CONDUCTANCE	EPA METHOD 300.0 (IC)
o	HARDNESS	EPA METHOD 130.1
o	TOTAL DISSOLVED SOLIDS	EPA METHOD 160.1
o	pH	EPA METHOD 150.2
o	ALKALINITY	EPA METHOD 310.1
*	GROSS ALPHA AND BETA RADIOACTIVITY	EPA METHOD 900.1

L786347

Organics in Water
Benzene
Bromodichloromethane
Bromoform
Bromomethane
Carbon Tetrachloride
Chlorobenzene
Chlorodibromomethane
Chloroethane
2-Chloroethly vinyl ether
Chloroform
Chloromethane
1,2-Dichlorobenzene
1,3-Dichlorobenzene
1,4-Dichlorobenzene
Dichlorodifluoromethane
1,1-Dichloroethane
1,2-Dichloroethane
1,1-Dichloroethene
trans-1,2-Dichloroethene
1,2-Dichloropropane
cis-1,3-Dichloropropene
trans-1,3-Dichloropropene
Ethylbenzene
Methylene Chloride
Methyl tert-butyl ether
Napthalene
1,1,2,2-Tetrachloroethane
Tetrachloroethene
Toluene
1,1,1-Trichloroethane
1,1,2-Trichloroethane
Trichloroethene
Trichlorofluoromethane
Total Xylenes
Vinyl chloride

Additional Organics in Water
Acenaphthene
Acenaphthylene
Anthracene
Benzidine
Benzo (a) anthracene
Benzo (b) fluoranthene
Benzo (k) fluoranthene
Benzo (g,h,i) perylene
Benzo (a) pyrene
Bis (2-chlorethoxy) methane
Bis (2-chloroethyl) ethyl
Bis (2--chloroisopropyl) ether
4-Bromophenyl-phenylether
2-Chloronaphthalene
4-Chlorophenyl-phenylether
Chrysene
Dibenz (a,h) anthracene
3,3-Dichlorobenzidine
2,4-Dinitrotoluene
2,6-Dinitrotoluene
1,2-Diphenylhydrazine
Fluoranthene
Fluorene

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Hexachlorobenzene
Hexachloro-1,3-butadiene
Hexachlorocyclopentadiene
Hexachloroethane
Indeno (1,2,3-cd) pyrene
Isophorone
Napthalene
Nitrobenzene
n-Nitrosodimethylamine
n-Nitrosodiphenylamine
n-Nitrosodi-n-propylamine
Phenanthrene
Benzylbutyl phthalate
Bis (2-ethylhexyl) phthalate
Di-n-butyl phthalate
Diethyl phthalate
Dimethyl phthalate
Di-n-octyl phthalate
Pyrene
1,2,4-Trichlorobenzene
4-Chloro-3-methylphenol
2-Chlorophenol
2,4-Dichlorophenol
2,4-Dimethylphenol
4,6-Dinitro-2-methylphenol
2,4-Dinitrophenol
2-Nitrophenol
4-Nitrophenol
Pentachlorophenol
Phenol
2,4,6-Trichlorophenol
Inorganics in Water
Alkalinity
Bromide
Chloride
Conductivity
Fluoride
Nitrate
Nitrite
pH
Sulfate
Total Dissolved Solids
Total Hardness
Dissolved Metals in Water
Arsenic
Barium (LDNR True Total)
Cadmium
Chromium
Lead
Mercury
Selenium
Silver
Radionuclides
Gross Alpha
Gross Beta