

HRL Compliance Solutions- CO

Sample Delivery Group: L859829
Samples Received: 09/15/2016
Project Number:
Description: Loan Mountain Production
Site: TEXAS MTN. FEDERAL NO. 2
Report To: Mark Mumby
2385 F ½ Road
Grand Junction, CO 81505

Entire Report Reviewed By:



Jason Romer
Technical Service Representative

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



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SAMPLE SUMMARY

ONE LAB. NATIONWIDE.



1 L859829-01 Solid

Collected by
Alan Giles

Collected date/time
09/13/16 10:00

Received date/time
09/15/16 09:00

¹Cp

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Calculated Results	WG908451	1	09/20/16 10:31	09/21/16 10:28	CCE
Semi-Volatile Organic Compounds (GC) by Method 8015	WG908971	1	09/20/16 20:56	09/21/16 11:49	JM
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG909180	1	09/19/16 12:30	09/19/16 20:45	JHH
Volatile Organic Compounds (GC/MS) by Method 8260B	WG909330	1	09/21/16 21:49	09/22/16 03:13	JHH
Wet Chemistry by Method 9045D	WG908497	1	09/19/16 15:41	09/19/16 15:41	MHM
Wet Chemistry by Method 9050AMod	WG908406	1	09/16/16 03:20	09/16/16 03:20	JLJ

²Tc

³Ss

⁴Cn

⁵Sr

2 L859829-02 Solid

Collected by
Alan Giles

Collected date/time
09/13/16 10:10

Received date/time
09/15/16 09:00

⁶Qc

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Calculated Results	WG908451	1	09/20/16 10:31	09/21/16 10:31	CCE
Semi-Volatile Organic Compounds (GC) by Method 8015	WG908971	1	09/20/16 20:56	09/21/16 12:01	JM
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG909180	1	09/19/16 12:30	09/19/16 21:07	JHH
Volatile Organic Compounds (GC/MS) by Method 8260B	WG909330	1	09/21/16 21:49	09/22/16 03:33	JHH
Wet Chemistry by Method 9045D	WG908497	1	09/19/16 15:41	09/19/16 15:41	MHM
Wet Chemistry by Method 9050AMod	WG908406	1	09/16/16 03:20	09/16/16 03:20	JLJ

⁷Gl

⁸Al

⁹Sc

3 L859829-03 Solid

Collected by
Alan Giles

Collected date/time
09/13/16 10:20

Received date/time
09/15/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Calculated Results	WG908451	1	09/20/16 10:31	09/21/16 10:34	CCE
Semi-Volatile Organic Compounds (GC) by Method 8015	WG908971	1	09/20/16 20:56	09/21/16 12:12	JM
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG909180	1	09/19/16 12:30	09/19/16 21:29	JHH
Volatile Organic Compounds (GC/MS) by Method 8260B	WG909330	1	09/21/16 21:49	09/22/16 03:53	JHH
Wet Chemistry by Method 9045D	WG908497	1	09/19/16 15:41	09/19/16 15:41	MHM
Wet Chemistry by Method 9050AMod	WG908406	1	09/16/16 03:20	09/16/16 03:20	JLJ

4 L859829-04 Solid

Collected by
Alan Giles

Collected date/time
09/13/16 10:30

Received date/time
09/15/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Calculated Results	WG908451	1	09/20/16 10:31	09/21/16 11:05	CCE
Semi-Volatile Organic Compounds (GC) by Method 8015	WG908971	1	09/20/16 20:56	09/21/16 12:24	JM
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG909180	1	09/19/16 12:30	09/19/16 22:47	JHH
Volatile Organic Compounds (GC/MS) by Method 8260B	WG909330	1	09/21/16 21:49	09/22/16 04:13	JHH
Wet Chemistry by Method 9045D	WG908497	1	09/19/16 15:41	09/19/16 15:41	MHM
Wet Chemistry by Method 9050AMod	WG908406	1	09/16/16 03:20	09/16/16 03:20	JLJ



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.

Jason Romer
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
L859829-01	1	9045D
L859829-02	2	9045D
L859829-03	3	9045D
L859829-04	4	9045D

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc



Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	1.16		1	09/21/2016 10:28	WG908451

Wet Chemistry by Method 9045D

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
pH	8.73		1	09/19/2016 15:41	WG908497

Sample Narrative:

9045D L859829-01 WG908497: 8.73 at 20.4c

Wet Chemistry by Method 9050AMod

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Specific Conductance	umhos/cm		1	09/16/2016 03:20	WG908406

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

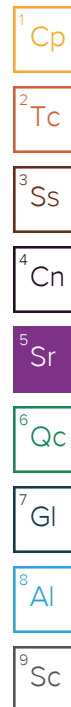
Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.258		0.100	1	09/19/2016 20:45	WG909180
(S) a,a,a-Trifluorotoluene(FID)	90.7		59.0-128		09/19/2016 20:45	WG909180

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Benzene	0.00153		0.00100	1	09/22/2016 03:13	WG909330
Toluene	ND		0.00500	1	09/22/2016 03:13	WG909330
Ethylbenzene	0.00255		0.00100	1	09/22/2016 03:13	WG909330
Total Xylenes	ND		0.00300	1	09/22/2016 03:13	WG909330
(S) Toluene-d8	111		88.7-115		09/22/2016 03:13	WG909330
(S) Dibromofluoromethane	116		76.3-123		09/22/2016 03:13	WG909330
(S) a,a,a-Trifluorotoluene	93.4		87.2-117		09/22/2016 03:13	WG909330
(S) 4-Bromofluorobenzene	100		69.7-129		09/22/2016 03:13	WG909330

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	ND		4.00	1	09/21/2016 11:49	WG908971
(S) o-Terphenyl	74.0		50.0-150		09/21/2016 11:49	WG908971





Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.414		1	09/21/2016 10:31	WG908451

Wet Chemistry by Method 9045D

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
pH	9.08		1	09/19/2016 15:41	WG908497

Sample Narrative:

9045D L859829-02 WG908497: 9.08 at 20.1c

Wet Chemistry by Method 9050AMod

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Specific Conductance	umhos/cm		1	09/16/2016 03:20	WG908406

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

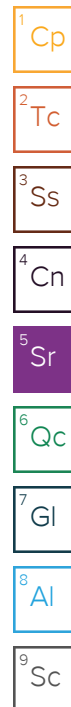
Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.193	<u>B</u>	0.100	1	09/19/2016 21:07	WG909180
(S) a,a,a-Trifluorotoluene(FID)	89.3		59.0-128		09/19/2016 21:07	WG909180

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Benzene	0.00246		0.00100	1	09/22/2016 03:33	WG909330
Toluene	0.00607		0.00500	1	09/22/2016 03:33	WG909330
Ethylbenzene	0.00406		0.00100	1	09/22/2016 03:33	WG909330
Total Xylenes	ND		0.00300	1	09/22/2016 03:33	WG909330
(S) Toluene-d8	110		88.7-115		09/22/2016 03:33	WG909330
(S) Dibromofluoromethane	116		76.3-123		09/22/2016 03:33	WG909330
(S) a,a,a-Trifluorotoluene	95.4		87.2-117		09/22/2016 03:33	WG909330
(S) 4-Bromofluorobenzene	95.1		69.7-129		09/22/2016 03:33	WG909330

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	ND		4.00	1	09/21/2016 12:01	WG908971
(S) o-Terphenyl	76.5		50.0-150		09/21/2016 12:01	WG908971





Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	1.84		1	09/21/2016 10:34	WG908451

Wet Chemistry by Method 9045D

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
pH	8.83		1	09/19/2016 15:41	WG908497

Sample Narrative:

9045D L859829-03 WG908497: 8.83 at 20.2c

Wet Chemistry by Method 9050AMod

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Specific Conductance	umhos/cm		1	09/16/2016 03:20	WG908406

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

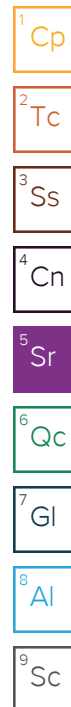
Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.150	<u>B</u>	0.100	1	09/19/2016 21:29	WG909180
(S) a,a,a-Trifluorotoluene(FID)	89.6		59.0-128		09/19/2016 21:29	WG909180

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Benzene	0.00160		0.00100	1	09/22/2016 03:53	WG909330
Toluene	ND		0.00500	1	09/22/2016 03:53	WG909330
Ethylbenzene	0.00257		0.00100	1	09/22/2016 03:53	WG909330
Total Xylenes	ND		0.00300	1	09/22/2016 03:53	WG909330
(S) Toluene-d8	111		88.7-115		09/22/2016 03:53	WG909330
(S) Dibromofluoromethane	119		76.3-123		09/22/2016 03:53	WG909330
(S) a,a,a-Trifluorotoluene	94.7		87.2-117		09/22/2016 03:53	WG909330
(S) 4-Bromofluorobenzene	95.1		69.7-129		09/22/2016 03:53	WG909330

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	16.3		4.00	1	09/21/2016 12:12	WG908971
(S) o-Terphenyl	78.6		50.0-150		09/21/2016 12:12	WG908971





Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.0507		1	09/21/2016 11:05	WG908451

Wet Chemistry by Method 9045D

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
pH	8.36		1	09/19/2016 15:41	WG908497

Sample Narrative:

9045D L859829-04 WG908497: 8.36 at 20.5c

Wet Chemistry by Method 9050AMod

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Specific Conductance	umhos/cm		1	09/16/2016 03:20	WG908406

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

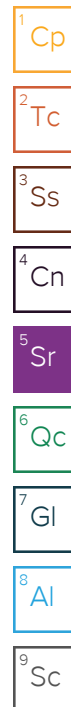
Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		0.100	1	09/19/2016 22:47	WG909180
(S) a,a,a-Trifluorotoluene(FID)	94.9		59.0-128		09/19/2016 22:47	WG909180

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Benzene	ND		0.00100	1	09/22/2016 04:13	WG909330
Toluene	ND		0.00500	1	09/22/2016 04:13	WG909330
Ethylbenzene	ND		0.00100	1	09/22/2016 04:13	WG909330
Total Xylenes	ND		0.00300	1	09/22/2016 04:13	WG909330
(S) Toluene-d8	107		88.7-115		09/22/2016 04:13	WG909330
(S) Dibromofluoromethane	112		76.3-123		09/22/2016 04:13	WG909330
(S) a,a,a-Trifluorotoluene	94.7		87.2-117		09/22/2016 04:13	WG909330
(S) 4-Bromofluorobenzene	99.8		69.7-129		09/22/2016 04:13	WG909330

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	ND		4.00	1	09/21/2016 12:24	WG908971
(S) o-Terphenyl	77.4		50.0-150		09/21/2016 12:24	WG908971





L859799-03 Original Sample (OS) • Duplicate (DUP)

(OS) L859799-03 09/19/16 15:41 • (DUP) WG908497-3 09/19/16 15:41						
	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	su	su		%		%
pH	7.81	7.83	1	0.256		1

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

L860076-03 Original Sample (OS) • Duplicate (DUP)

(OS) L860076-03 09/19/16 15:41 • (DUP) WG908497-4 09/19/16 15:41						
	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	su	su		%		%
pH	9.96	9.95	1	0.100		1

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

(LCS) WG908497-1 09/19/16 15:41 • (LCSD) WG908497-2 09/19/16 15:41									
	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD
Analyte	su	su	su	%	%	%			%
pH	6.11	6.18	6.21	101	102	98.4-102			0.484

7
Gl

8
Al

9
Sc

Method Blank (MB)

(MB) WG908406-1 09/16/16 03:20

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	umhos/cm		umhos/cm	umhos/cm
Specific Conductance	1.04			

L859829-04 Original Sample (OS) • Duplicate (DUP)

(OS) L859829-04 09/16/16 03:20 • (DUP) WG908406-4 09/16/16 03:20

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	umhos/cm	umhos/cm		%		%
Specific Conductance	175	175	1	0.401		20

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

(LCS) WG908406-2 09/16/16 03:20 • (LCSD) WG908406-3 09/16/16 03:20

	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Analyte	umhos/cm	umhos/cm	umhos/cm	%	%	%			%	%
Specific Conductance	542	551	550	102	101	90.0-110			0.182	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc



Method Blank (MB)

(MB) R3164533-3 09/19/16 13:34

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPH (GC/FID) Low Fraction	0.0226	J	0.0217	0.100
(S) a,a,a-Trifluorotoluene(FID)	95.2			59.0-128

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

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

(LCS) R3164533-1 09/19/16 12:28 • (LCSD) R3164533-2 09/19/16 12:50

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	5.43	5.46	98.8	99.3	63.5-137			0.530	20
(S) a,a,a-Trifluorotoluene(FID)				111	111	59.0-128				

7Gl

8Al

9Sc

L859802-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L859802-03 09/19/16 16:41 • (MS) R3164533-4 09/19/16 14:48 • (MSD) R3164533-5 09/19/16 15:11

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	1.93	1.84	34.3	32.7	1	28.5-138			4.75	23.6
(S) a,a,a-Trifluorotoluene(FID)					91.6	89.1		59.0-128				



Method Blank (MB)

(MB) R3165270-1 09/21/16 21:41

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Benzene	U		0.000270	0.00100
Ethylbenzene	U		0.000297	0.00100
Toluene	U		0.000434	0.00500
Xylenes, Total	U		0.000698	0.00300
(S) Toluene-d8	110			88.7-115
(S) Dibromofluoromethane	114			76.3-123
(S) a,a,a-Trifluorotoluene	98.0			87.2-117
(S) 4-Bromofluorobenzene	102			69.7-129

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

(LCS) R3165270-2 09/21/16 22:18 • (LCSD) R3165270-3 09/21/16 22:38

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 %
Benzene	0.0250	0.0282	0.0279	113	112	72.6-120			0.930	20
Ethylbenzene	0.0250	0.0251	0.0242	101	96.7	78.6-124			3.97	20
Toluene	0.0250	0.0246	0.0245	98.2	98.0	76.7-116			0.190	20
Xylenes, Total	0.0750	0.0747	0.0721	99.6	96.1	78.1-123			3.62	20
(S) Toluene-d8				108	110	88.7-115				
(S) Dibromofluoromethane				110	114	76.3-123				
(S) a,a,a-Trifluorotoluene				98.5	98.4	87.2-117				
(S) 4-Bromofluorobenzene				101	101	69.7-129				

L859824-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L859824-03 09/22/16 02:13 • (MS) R3165270-4 09/22/16 00:12 • (MSD) R3165270-5 09/22/16 00:32

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 %
Benzene	0.0250	ND	0.595	0.619	96.2	100	24.75	47.8-131			3.87	22.8
Ethylbenzene	0.0250	ND	0.555	0.560	89.7	90.4	24.75	44.8-135			0.850	26.9
Toluene	0.0250	ND	0.550	0.564	88.9	91.2	24.75	47.8-127			2.51	24.3
Xylenes, Total	0.0750	ND	1.62	1.67	87.5	90.2	24.75	42.7-135			3.10	26.6
(S) Toluene-d8					108	109		88.7-115				
(S) Dibromofluoromethane					108	109		76.3-123				
(S) a,a,a-Trifluorotoluene					98.5	99.7		87.2-117				
(S) 4-Bromofluorobenzene					109	113		69.7-129				

Method Blank (MB)

(MB) R3164992-1 09/21/16 08:56

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPH (GC/FID) High Fraction	U		0.769	4.00
(S) o-Terphenyl	93.5			50.0-150

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

(LCS) R3164992-2 09/21/16 09:08 • (LCSD) R3164992-3 09/21/16 09:19

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 %
TPH (GC/FID) High Fraction	60.0	48.4	44.2	80.6	73.7	50.0-150			8.95	20
(S) o-Terphenyl				88.0	77.5	50.0-150				

L859861-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L859861-03 09/21/16 14:19 • (MS) R3164992-4 09/21/16 14:31 • (MSD) R3164992-5 09/21/16 14:42

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) High Fraction	41.7	16.4	85.8	78.2	83.2	74.1	2	50.0-150			9.27	20
(S) o-Terphenyl					82.1	77.5		50.0-150				



Abbreviations and Definitions

SDG	Sample Delivery Group.
MDL	Method Detection Limit.
RDL	Reported Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
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.

Qualifier	Description
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B	The same analyte is found in the associated blank.
J	The identification of the analyte is acceptable; the reported value is an estimate.

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc



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

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

State Accreditations

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

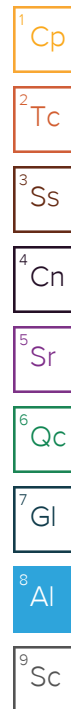
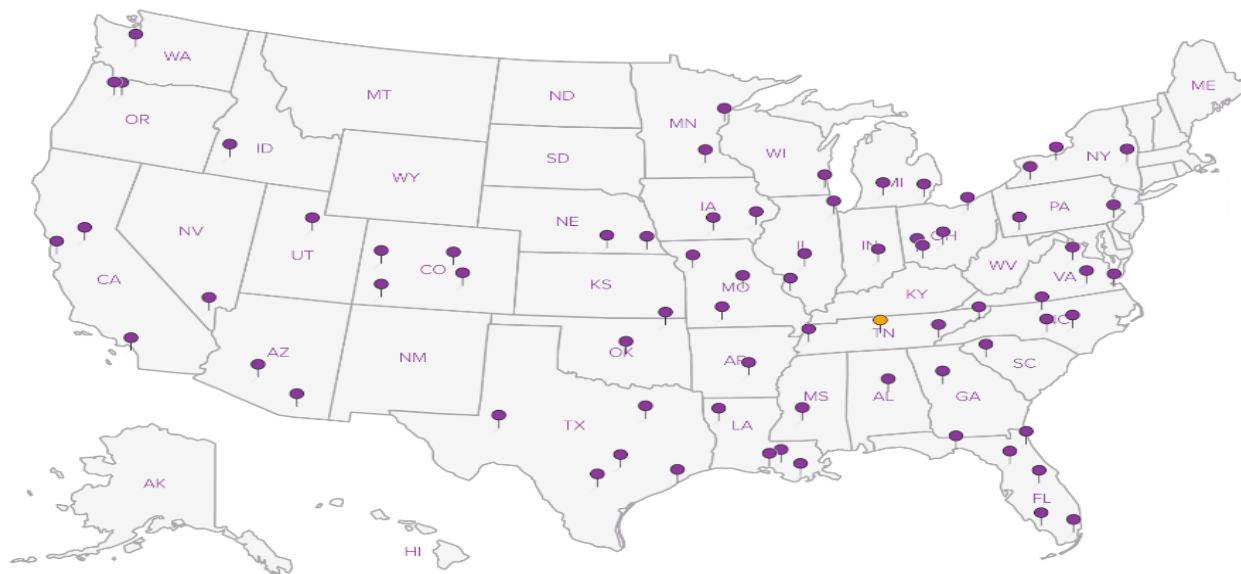
Third Party & Federal Accreditations

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

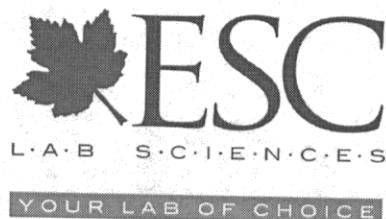
¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold ^{n/a} Accreditation not applicable

Our Locations

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



[illegible]



Cooler Receipt Form

Client: <i>HRL Compliance Solutions</i>	SDG#	<i>1859829</i>	
Cooler Received/Opened On: <i>6/15/16</i>	Temperature Upon Receipt:	<i>2.1 °C</i>	
Received By: <i>Kevin Waller</i>			
Signature: <i>Kevin Waller</i>			
Receipt Check List			
	Yes	No	N/A
Were custody seals on outside of cooler and intact?	<input checked="" type="checkbox"/>		
Were custody papers properly filled out?	<input checked="" type="checkbox"/>		
Did all bottles arrive in good condition?	<input checked="" type="checkbox"/>		
Were correct bottles used for the analyses requested?	<input checked="" type="checkbox"/>		
Was sufficient amount of sample sent in each bottle?	<input checked="" type="checkbox"/>		
Were all applicable sample containers correctly preserved and checked for preservation? (Any not in accepted range noted on COC)			<input checked="" type="checkbox"/>
If applicable, was an observable VOA headspace present?			
Non Conformance Generated. (If yes see attached NCF)			

Jeremy W. Watkins

L 859829

From: Shane Gambill
Sent: Thursday, September 15, 2016 10:18 AM
To: Login; Andy Vann
Subject: *HRLCSO* In coming samples today 09/15
Attachments: Loan Mountain COC 9.15.16.pdf

Client will be sending in the attached project today, the COC will state " Do not run PAH and metals unless notified". Please disregard this comment and log all samples for SV8270PAHSIM and MRCRA8, CUICP, NIICP, ZNICP analysis.

Thanks,
Shane Gambill
Technical Service Representative
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Office: (615) 773-9747
sgambill@esclabsciences.com | www.esclabsciences.com

