

Linn Energy - Denver, CO

Sample Delivery Group: L898404
Samples Received: 03/25/2017
Project Number:
Description: Garden Gulch Pit Reclamation

Report To: Dave Nicholson
1999 Broadway, Suite 3700
Denver, CO 80202

Entire Report Reviewed By:



Mark W. Beasley
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.



I-11 L898404-01 Solid

Collected by
DK NicholsonCollected date/time
03/22/17 13:30Received date/time
03/25/17 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Calculated Results	WG965498	1	04/01/17 13:55	04/03/17 02:05	ST
Calculated Results	WG964475	1	03/29/17 13:40	03/31/17 14:27	MA
Wet Chemistry by Method 3060A/7196A	WG965982	1	03/31/17 08:42	03/31/17 14:27	MA
Wet Chemistry by Method 350.1	WG965144	1	03/30/17 08:35	03/30/17 22:46	ASK
Wet Chemistry by Method 4500P E-2011	WG965018	1	03/29/17 12:01	03/29/17 14:17	MHM
Wet Chemistry by Method 9045D	WG963431	1	03/29/17 11:30	03/29/17 12:38	MA
Wet Chemistry by Method 9050AMod	WG965086	1	03/29/17 17:17	03/29/17 17:17	MAJ
Wet Chemistry by Method 9056A	WG966736	1	04/04/17 12:49	04/04/17 16:00	KCF
Wet Chemistry by Method USDA LOI	WG964653	1	03/28/17 18:10	03/29/17 18:24	MMF
Mercury by Method 7471A	WG964936	1	03/28/17 14:56	03/29/17 09:24	NJB
Metals (ICP) by Method 6010B	WG964475	1	03/29/17 13:40	03/31/17 09:32	CCE
Semi-Volatile Organic Compounds (GC) by Method 8015	WG965755	1	03/30/17 10:12	03/31/17 02:15	ACM
Volatile Organic Compounds (GC) by Method 8015/8021	WG966293	1	03/30/17 10:59	04/01/17 18:57	JAH
Semi-Volatile Organic Compounds (GC) by Method 8015	WG965755	1	03/30/17 10:12	03/31/17 02:15	ACM
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG965806	1	03/31/17 10:33	04/01/17 08:40	CLG

¹Cp²Tc³Ss⁴Cn⁵Sr⁶Qc⁷Gl⁸Al⁹Sc



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

Mark W. Beasley
Technical Service Representative

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	2.49		1	04/03/2017 02:05	WG965498

Calculated Results

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Chromium, Trivalent	32.3		2.00	1	03/31/2017 14:27	WG964475

Wet Chemistry by Method 3060A/7196A

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Chromium, Hexavalent	ND		2.00	1	03/31/2017 14:27	WG965982

Wet Chemistry by Method 350.1

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	5.70	P1	5.00	1	03/30/2017 22:46	WG965144

Wet Chemistry by Method 4500P E-2011

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Phosphate, Ortho	3.58		0.250	1	03/29/2017 14:17	WG965018

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.25	T8	1	03/29/2017 12:38	WG963431

Sample Narrative:

9045D L898404-01 WG963431: 8.25 at 19.9c

Wet Chemistry by Method 9050AMod

Analyte	Result umhos/cm	Qualifier	Dilution	Analysis date / time	Batch
Specific Conductance	176		1	03/29/2017 17:17	WG965086

Wet Chemistry by Method 9056A

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Nitrate as (N)	7.37		1.00	1	04/04/2017 16:00	WG966736

Wet Chemistry by Method USDA LOI

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	22500		10.0	1	03/29/2017 18:24	WG964653

Mercury by Method 7471A

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Mercury	0.0227		0.0200	1	03/29/2017 09:24	WG964936





Collected date/time: 03/22/17 13:30

L898404

Metals (ICP) by Method 6010B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	9.31		2.00	1	03/31/2017 09:32	WG964475
Barium	457		0.500	1	03/31/2017 09:32	WG964475
Boron	ND		10.0	1	03/31/2017 09:32	WG964475
Cadmium	ND		0.500	1	03/31/2017 09:32	WG964475
Chromium	32.3		1.00	1	03/31/2017 09:32	WG964475
Copper	26.2		2.00	1	03/31/2017 09:32	WG964475
Lead	16.7		0.500	1	03/31/2017 09:32	WG964475
Nickel	24.2		2.00	1	03/31/2017 09:32	WG964475
Potassium	2170		100	1	03/31/2017 09:32	WG964475
Selenium	ND		2.00	1	03/31/2017 09:32	WG964475
Silver	ND		1.00	1	03/31/2017 09:32	WG964475
Zinc	59.9		5.00	1	03/31/2017 09:32	WG964475

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	0.00138		0.000500	1	04/01/2017 18:57	WG966293
Toluene	ND		0.00500	1	04/01/2017 18:57	WG966293
Ethylbenzene	0.000994	<u>B</u>	0.000500	1	04/01/2017 18:57	WG966293
Total Xylene	0.00174	<u>B</u>	0.00150	1	04/01/2017 18:57	WG966293
TPH (GC/FID) Low Fraction	ND		0.100	1	04/01/2017 18:57	WG966293
(S) a,a,a-Trifluorotoluene(FID)	88.6		77.0-120		04/01/2017 18:57	WG966293
(S) a,a,a-Trifluorotoluene(PID)	98.0		75.0-128		04/01/2017 18:57	WG966293

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	13.1		4.00	1	03/31/2017 02:15	WG965755
C28-C40 Oil Range	14.0		4.00	1	03/31/2017 02:15	WG965755
(S) o-Terphenyl	76.0		18.0-148		03/31/2017 02:15	WG965755

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.00600	1	04/01/2017 08:40	WG965806
Acenaphthene	ND		0.00600	1	04/01/2017 08:40	WG965806
Acenaphthylene	ND		0.00600	1	04/01/2017 08:40	WG965806
Benzo(a)anthracene	0.0119		0.00600	1	04/01/2017 08:40	WG965806
Benzo(a)pyrene	0.0158		0.00600	1	04/01/2017 08:40	WG965806
Benzo(b)fluoranthene	0.0312		0.00600	1	04/01/2017 08:40	WG965806
Benzo(g,h,i)perylene	0.0230		0.00600	1	04/01/2017 08:40	WG965806
Benzo(k)fluoranthene	0.00946		0.00600	1	04/01/2017 08:40	WG965806
Chrysene	0.0190		0.00600	1	04/01/2017 08:40	WG965806
Dibenz(a,h)anthracene	0.00695		0.00600	1	04/01/2017 08:40	WG965806
Fluoranthene	0.0235		0.00600	1	04/01/2017 08:40	WG965806
Fluorene	ND		0.00600	1	04/01/2017 08:40	WG965806
Indeno(1,2,3-cd)pyrene	0.0177		0.00600	1	04/01/2017 08:40	WG965806
Naphthalene	0.0469		0.0200	1	04/01/2017 08:40	WG965806
Phenanthrene	0.0284		0.00600	1	04/01/2017 08:40	WG965806
Pyrene	0.0200		0.00600	1	04/01/2017 08:40	WG965806
1-Methylnaphthalene	0.0428		0.0200	1	04/01/2017 08:40	WG965806
2-Methylnaphthalene	0.0739		0.0200	1	04/01/2017 08:40	WG965806
2-Chloronaphthalene	ND		0.0200	1	04/01/2017 08:40	WG965806
(S) p-Terphenyl-d14	90.9		23.0-120		04/01/2017 08:40	WG965806
(S) Nitrobenzene-d5	83.9		14.0-149		04/01/2017 08:40	WG965806



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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
(S) 2-Fluorobiphenyl	93.0		34.0-125		04/01/2017 08:40	WG965806

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3207413-1 03/31/17 14:12

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/kg		mg/kg	mg/kg
Chromium,Hexavalent	U		0.64	2.00

L898008-03 Original Sample (OS) • Duplicate (DUP)

(OS) L898008-03 03/31/17 14:14 • (DUP) R3207413-4 03/31/17 14:15

	Original Result (dry)	DUP Result (dry)	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/kg	mg/kg		%		%
Chromium,Hexavalent	ND	0	1	0		20

L898405-05 Original Sample (OS) • Duplicate (DUP)

(OS) L898405-05 03/31/17 14:30 • (DUP) R3207413-8 03/31/17 14:30

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/kg	mg/kg		%		%
Chromium,Hexavalent	ND	0.680	1	0		20

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

(LCS) R3207413-2 03/31/17 14:12 • (LCSD) R3207413-3 03/31/17 14:13

	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	%	%	%			%	%
Chromium,Hexavalent	56.9	57.4	57.6	101	101	80-120			0	20

L898008-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L898008-04 03/31/17 14:16 • (MS) R3207413-5 03/31/17 14:16 • (MSD) R3207413-6 03/31/17 14:17

	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Chromium,Hexavalent	26.1	ND	23.3	22.5	89	86	1	75-125			3	20

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc



Method Blank (MB)

(MB) R3207204-1 03/30/17 22:40

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/kg		mg/kg	mg/kg
Ammonia Nitrogen	U		1.57	5.00

L898404-01 Original Sample (OS) • Duplicate (DUP)

(OS) L898404-01 03/30/17 22:46 • (DUP) R3207204-4 03/30/17 22:47

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/kg	mg/kg		%		%
Ammonia Nitrogen	5.70	4.61	1	21	P1	20

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

(LCS) R3207204-2 03/30/17 22:41 • (LCSD) R3207204-3 03/30/17 22:42

	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	%	%	%			%	%
Ammonia Nitrogen	500	520	489	104	98	90-110			6	20

L898855-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L898855-01 03/30/17 22:49 • (MS) R3207204-5 03/30/17 22:50 • (MSD) R3207204-6 03/30/17 22:53

	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Ammonia Nitrogen	20400	ND	19900	19200	97	94	1	80-120			3	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3206721-1 03/29/17 13:49

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/kg		mg/kg	mg/kg
Phosphate,Ortho	U		0.0825	0.250

L898404-01 Original Sample (OS) • Duplicate (DUP)

(OS) L898404-01 03/29/17 14:17 • (DUP) R3206721-2 03/29/17 14:18

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/kg	mg/kg		%		%
Phosphate,Ortho	3.58	3.62	1	1		20

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

(LCS) R3206721-5 03/29/17 14:30 • (LCSD) R3206721-6 03/29/17 14:31

	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	%	%	%			%	%
Phosphate,Ortho	5.00	5.12	5.08	102	102	85-115			1	20

L897570-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L897570-01 03/29/17 14:09 • (MS) R3206721-3 03/29/17 14:19 • (MSD) R3206721-4 03/29/17 14:19

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Phosphate,Ortho	5.00	5.24	7.43	7.64	44	48	1	80-120	J6	J6	3	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc



L897593-01 Original Sample (OS) • Duplicate (DUP)

(OS) L897593-01 03/29/17 12:38 • (DUP) WG963431-3 03/29/17 12:38

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	su	su		%		%
pH	10.1	10.1	1	0.297	T8	1

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

L898478-02 Original Sample (OS) • Duplicate (DUP)

(OS) L898478-02 03/29/17 12:38 • (DUP) WG963431-4 03/29/17 12:38

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	su	su		%		%
pH	8.53	8.54	1	0.117	T8	1

7
Gl

8
Al

9
Sc

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

(LCS) WG963431-1 03/29/17 12:38 • (LCSD) WG963431-2 03/29/17 12:37

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	su	su	su	%	%	%			%	%
pH	7.50	7.42	7.46	98.9	99.5	98.7-101			0.538	1

Method Blank (MB)

(MB) WG965086-4 03/29/17 17:17

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	umhos/cm		umhos/cm	umhos/cm
Specific Conductance	2.18			

L898404-01 Original Sample (OS) • Duplicate (DUP)

(OS) L898404-01 03/29/17 17:17 • (DUP) WG965086-1 03/29/17 17:17

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	umhos/cm	umhos/cm		%		%
Specific Conductance	176	177	1	0.510		20

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

(LCS) WG965086-2 03/29/17 17:17 • (LCSD) WG965086-3 03/29/17 17:17

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	umhos/cm	umhos/cm	umhos/cm	%	%	%			%	%
Specific Conductance	542	549	548	101	101	90.0-110			0.182	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc



Method Blank (MB)

(MB) R3208258-1 04/04/17 14:14

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/kg		mg/kg	mg/kg
Nitrate	U		0.0116	1.00

L898761-22 Original Sample (OS) • Duplicate (DUP)

(OS) L898761-22 04/04/17 17:03 • (DUP) R3208258-4 04/04/17 17:24

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/kg	mg/kg		%		%
Nitrate	ND	0.684	1	0		15

L898761-28 Original Sample (OS) • Duplicate (DUP)

(OS) L898761-28 04/04/17 20:56 • (DUP) R3208258-7 04/04/17 21:17

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/kg	mg/kg		%		%
Nitrate	ND	0.521	1	0		15

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

(LCS) R3208258-2 04/04/17 14:35 • (LCSD) R3208258-3 04/04/17 14:56

	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	%	%	%			%	%
Nitrate	20.0	19.0	19.1	95	96	80-120			1	15

L898761-23 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L898761-23 04/04/17 17:46 • (MS) R3208258-5 04/04/17 18:07 • (MSD) R3208258-6 04/04/17 18:28

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Nitrate	50.0	ND	47.4	50.4	94	100	1	80-120			6	15

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc



Method Blank (MB)

(MB) R3206835-1 03/29/17 18:24

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/kg		mg/kg	mg/kg
TOC (Total Organic Carbon)	U		3.33	10.0

L897570-03 Original Sample (OS) • Duplicate (DUP)

(OS) L897570-03 03/29/17 18:25 • (DUP) R3206835-4 03/29/17 18:25

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/kg	mg/kg		%		%
TOC (Total Organic Carbon)	17500	19000	1	8.61		20

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

(LCS) R3206835-2 03/29/17 18:26 • (LCSD) R3206835-3 03/29/17 18:26

	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	%	%	%			%	%
TOC (Total Organic Carbon)	5590	8270	7730	148	138	50.0-150			6.74	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc



Method Blank (MB)

(MB) R3206740-1 03/29/17 08:41

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

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

(LCS) R3206740-2 03/29/17 08:44 • (LCSD) R3206740-3 03/29/17 08:46

	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	%	%	%			%	%
Mercury	0.300	0.279	0.280	93	93	80-120			0	20

L898421-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L898421-03 03/29/17 08:49 • (MS) R3206740-4 03/29/17 08:51 • (MSD) R3206740-5 03/29/17 08:54

	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Mercury	0.315	U	0.296	0.318	94	101	1	75-125			7	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc



Method Blank (MB)

(MB) R3207299-1 03/31/17 08:11

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Arsenic	U		0.65	2.00
Barium	0.281	J	0.17	0.500
Boron	U		1.26	10.0
Cadmium	U		0.07	0.500
Chromium	U		0.14	1.00
Copper	U		0.53	2.00
Lead	U		0.19	0.500
Nickel	U		0.49	2.00
Potassium	U		10.2	100
Selenium	U		0.74	2.00
Silver	U		0.28	1.00
Zinc	2	J	0.59	5.00

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) R3207299-2 03/31/17 08:14 • (LCSD) R3207299-3 03/31/17 08:16

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 %
Arsenic	100	103	103	103	103	80-120			1	20
Barium	100	105	104	105	104	80-120			0	20
Boron	100	101	100	101	100	80-120			1	20
Cadmium	100	103	102	103	102	80-120			1	20
Chromium	100	104	103	104	103	80-120			0	20
Copper	100	103	103	103	103	80-120			0	20
Lead	100	102	102	102	102	80-120			1	20
Nickel	100	104	103	104	103	80-120			0	20
Potassium	1000	1020	1020	102	102	80-120			0	20
Selenium	100	102	101	102	101	80-120			1	20
Silver	20.0	19.1	19.1	95	95	80-120			0	20
Zinc	100	103	103	103	103	80-120			0	20

L898210-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L898210-09 03/31/17 08:19 • (MS) R3207299-6 03/31/17 08:28 • (MSD) R3207299-7 03/31/17 08:30

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 %
Arsenic	131	8.37	125	133	90	95	1	75-125			6	20
Barium	131	87.3	211	206	95	91	1	75-125			2	20



L898404-01

L898210-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L898210-09 03/31/17 08:19 • (MS) R3207299-6 03/31/17 08:28 • (MSD) R3207299-7 03/31/17 08:30

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 %
Boron	131	ND	114	124	85	92	1	75-125			8	20
Cadmium	131	ND	118	126	90	96	1	75-125			7	20
Chromium	131	29.2	147	152	91	94	1	75-125			3	20
Copper	131	20.8	145	150	95	99	1	75-125			4	20
Lead	131	25.2	160	162	103	105	1	75-125			1	20
Nickel	131	43.5	184	188	108	111	1	75-125			2	20
Potassium	1310	1740	3330	3230	121	114	1	75-125			3	20
Selenium	131	ND	112	123	86	94	1	75-125			9	20
Silver	26.1	ND	20.8	22.6	80	87	1	75-125			8	20
Zinc	131	66.9	183	185	89	90	1	75-125			1	20

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc



Method Blank (MB)

(MB) R3207687-5 04/01/17 17:50

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Benzene	U		0.000120	0.000500
Toluene	0.000579	U	0.000150	0.00500
Ethylbenzene	0.000209	U	0.000110	0.000500
Total Xylene	U		0.000460	0.00150
TPH (GC/FID) Low Fraction	U		0.0217	0.100
(S) a,a,a-Trifluorotoluene(FID) 94.8			77.0-120	
(S) a,a,a-Trifluorotoluene(PID) 104			75.0-128	

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

(LCS) R3207687-1 04/01/17 15:59 • (LCSD) R3207687-2 04/01/17 16:21

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	0.0500	0.0503	0.0492	101	98.5	71.0-121			2.16	20
Toluene	0.0500	0.0499	0.0482	99.8	96.4	72.0-120			3.45	20
Ethylbenzene	0.0500	0.0499	0.0486	99.8	97.1	76.0-121			2.70	20
Total Xylene	0.150	0.153	0.148	102	98.7	75.0-124			3.32	20
(S) a,a,a-Trifluorotoluene(FID)				94.4	94.3	77.0-120				
(S) a,a,a-Trifluorotoluene(PID)				102	102	75.0-128				

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

(LCS) R3207687-3 04/01/17 16:43 • (LCSD) R3207687-4 04/01/17 17:05

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	5.80	5.84	105	106	70.0-136			0.720	20
(S) a,a,a-Trifluorotoluene(FID)				105	105	77.0-120				
(S) a,a,a-Trifluorotoluene(PID)				112	112	75.0-128				

L898671-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L898671-05 04/02/17 00:08 • (MS) R3207687-6 04/02/17 00:30 • (MSD) R3207687-7 04/02/17 00:52

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	0.0500	ND	0.665	0.612	55.4	51.0	24	10.0-146			8.36	29
Toluene	0.0500	ND	0.729	0.675	60.7	56.3	24	10.0-143			7.68	30
Ethylbenzene	0.0500	ND	0.871	0.807	72.6	67.2	24	10.0-147			7.63	31
Total Xylene	0.150	ND	2.69	2.50	74.7	69.6	24	10.0-149		J6	7.09	30
(S) a,a,a-Trifluorotoluene(FID)					94.3	94.0		77.0-120				



L898671-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L898671-05 04/02/17 00:08 • (MS) R3207687-6 04/02/17 00:30 • (MSD) R3207687-7 04/02/17 00:52

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 %
(S) a,a,a-Trifluorotoluene(PID)					102	102		75.0-128				

L898671-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L898671-05 04/02/17 00:08 • (MS) R3207687-8 04/02/17 01:15 • (MSD) R3207687-9 04/02/17 01:37

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	41.7	43.2	31.6	32.7	24	10.0-147			3.35	30
(S) a,a,a-Trifluorotoluene(FID)					94.4	94.2		77.0-120				
(S) a,a,a-Trifluorotoluene(PID)					104	104		75.0-128				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc



Method Blank (MB)

(MB) R3207285-1 03/30/17 19:17

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	121			18.0-148

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

(LCS) R3207285-2 03/30/17 19:34 • (LCSD) R3207285-3 03/30/17 19:52

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	60.5	60.1	101	100	50.0-150			0.700	20
(S) o-Terphenyl				121	119	18.0-148				

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

Method Blank (MB)

(MB) R3207826-3 04/01/17 02:25

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Anthracene	U		0.000600	0.00600
Acenaphthene	U		0.000600	0.00600
Acenaphthylene	U		0.000600	0.00600
Benzo(a)anthracene	U		0.000600	0.00600
Benzo(a)pyrene	U		0.000600	0.00600
Benzo(b)fluoranthene	U		0.000600	0.00600
Benzo(g,h,i)perylene	U		0.000600	0.00600
Benzo(k)fluoranthene	U		0.000600	0.00600
Chrysene	U		0.000600	0.00600
Dibenz(a,h)anthracene	U		0.000600	0.00600
Fluoranthene	U		0.000600	0.00600
Fluorene	U		0.000600	0.00600
Indeno(1,2,3-cd)pyrene	U		0.000600	0.00600
Naphthalene	U		0.00200	0.0200
Phenanthrene	U		0.000600	0.00600
Pyrene	U		0.000600	0.00600
1-Methylnaphthalene	U		0.00200	0.0200
2-Methylnaphthalene	U		0.00200	0.0200
2-Chloronaphthalene	U		0.00200	0.0200
(S) p-Terphenyl-d14	105			23.0-120
(S) Nitrobenzene-d5	87.6			14.0-149
(S) 2-Fluorobiphenyl	104			34.0-125

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) R3207826-1 04/01/17 01:42 • (LCSD) R3207826-2 04/01/17 02:04

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 %
Anthracene	0.0800	0.0821	0.0797	103	99.6	50.0-125			2.96	20
Acenaphthene	0.0800	0.0778	0.0742	97.2	92.7	52.0-120			4.73	20
Acenaphthylene	0.0800	0.0783	0.0750	97.8	93.7	51.0-120			4.27	20
Benzo(a)anthracene	0.0800	0.0762	0.0734	95.2	91.8	46.0-121			3.70	20
Benzo(a)pyrene	0.0800	0.0791	0.0747	98.9	93.3	42.0-121			5.77	20
Benzo(b)fluoranthene	0.0800	0.0763	0.0758	95.4	94.7	42.0-123			0.680	20
Benzo(g,h,i)perylene	0.0800	0.0839	0.0775	105	96.9	43.0-128			7.94	20
Benzo(k)fluoranthene	0.0800	0.0842	0.0788	105	98.5	45.0-128			6.62	20
Chrysene	0.0800	0.0783	0.0754	97.8	94.3	48.0-127			3.67	20
Dibenz(a,h)anthracene	0.0800	0.0854	0.0805	107	101	43.0-132			5.88	20
Fluoranthene	0.0800	0.0838	0.0797	105	99.6	49.0-129			5.06	20

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

(LCS) R3207826-1 04/01/17 01:42 • (LCSD) R3207826-2 04/01/17 02:04

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 %
Fluorene	0.0800	0.0813	0.0736	102	92.0	50.0-120			9.89	20
Indeno(1,2,3-cd)pyrene	0.0800	0.0858	0.0801	107	100	44.0-131			6.85	20
Naphthalene	0.0800	0.0727	0.0692	90.9	86.5	50.0-120			4.91	20
Phenanthrene	0.0800	0.0765	0.0726	95.6	90.7	48.0-120			5.30	20
Pyrene	0.0800	0.0811	0.0755	101	94.4	48.0-135			7.18	20
1-Methylnaphthalene	0.0800	0.0763	0.0750	95.4	93.8	52.0-122			1.72	20
2-Methylnaphthalene	0.0800	0.0741	0.0715	92.6	89.4	52.0-120			3.53	20
2-Chloronaphthalene	0.0800	0.0778	0.0741	97.2	92.6	50.0-120			4.88	20
(S) p-Terphenyl-d14				99.3	92.5	23.0-120				
(S) Nitrobenzene-d5				89.9	88.7	14.0-149				
(S) 2-Fluorobiphenyl				100	96.2	34.0-125				

L899154-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L899154-01 04/01/17 06:07 • (MS) R3207826-4 04/01/17 06:29 • (MSD) R3207826-5 04/01/17 06:51

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 %
Anthracene	0.107	U	0.0793	0.0701	74.3	65.7	1	20.0-136			12.3	24
Acenaphthene	0.107	U	0.0836	0.0779	78.3	73.0	1	29.0-124			7.02	20
Acenaphthylene	0.107	U	0.0908	0.0845	85.1	79.1	1	35.0-120			7.22	20
Benzo(a)anthracene	0.107	U	0.0618	0.0517	57.9	48.5	1	13.0-132			17.7	27
Benzo(a)pyrene	0.107	U	0.0647	0.0551	60.6	51.6	1	14.0-138			16.1	27
Benzo(b)fluoranthene	0.107	0.00111	0.0574	0.0495	52.7	45.3	1	10.0-129			14.7	31
Benzo(g,h,i)perylene	0.107	U	0.0602	0.0500	56.4	46.8	1	10.0-133			18.6	30
Benzo(k)fluoranthene	0.107	U	0.0685	0.0578	64.1	54.2	1	15.0-131			16.9	27
Chrysene	0.107	U	0.0654	0.0561	61.3	52.5	1	15.0-137			15.4	25
Dibenz(a,h)anthracene	0.107	U	0.0642	0.0535	60.1	50.1	1	15.0-132			18.3	27
Fluoranthene	0.107	U	0.0717	0.0608	67.2	56.9	1	13.0-139			16.5	28
Fluorene	0.107	U	0.0811	0.0718	76.0	67.2	1	27.0-122			12.3	22
Indeno(1,2,3-cd)pyrene	0.107	U	0.0629	0.0527	58.9	49.4	1	11.0-133			17.6	29
Naphthalene	0.107	U	0.0854	0.0844	80.0	79.0	1	18.0-136			1.16	21
Phenanthrene	0.107	0.000943	0.0720	0.0646	66.5	59.6	1	15.0-133			10.9	25
Pyrene	0.107	U	0.0697	0.0598	65.2	56.0	1	11.0-146			15.2	29
1-Methylnaphthalene	0.107	U	0.0896	0.0855	83.9	80.1	1	24.0-137			4.74	22
2-Methylnaphthalene	0.107	U	0.0853	0.0805	79.8	75.4	1	23.0-136			5.74	22
2-Chloronaphthalene	0.107	U	0.0858	0.0820	80.4	76.8	1	36.0-120			4.59	20
(S) p-Terphenyl-d14					77.8	77.1		23.0-120				
(S) Nitrobenzene-d5					83.0	81.0		14.0-149				
(S) 2-Fluorobiphenyl					89.1	90.5		34.0-125				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc



Abbreviations and Definitions

SDG	Sample Delivery Group.
MDL	Method Detection Limit.
RDL	Reported Detection Limit.
ND	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
B	The same analyte is found in the associated blank.
J	The identification of the analyte is acceptable; the reported value is an estimate.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
P1	RPD value not applicable for sample concentrations less than 5 times the reporting limit.
T8	Sample(s) received past/too close to holding time expiration.

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc



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

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

State Accreditations

Alabama	40660	Nevada	TN-03-2002-34
Alaska	UST-080	New Hampshire	2975
Arizona	AZ0612	New Jersey–NELAP	TN002
Arkansas	88-0469	New Mexico	TN00003
California	01157CA	New York	11742
Colorado	TN00003	North Carolina	Env375
Connecticut	PH-0197	North Carolina ¹	DW21704
Florida	E87487	North Carolina ²	41
Georgia	NELAP	North Dakota	R-140
Georgia ¹	923	Ohio–VAP	CL0069
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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
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Nebraska	NE-OS-15-05		

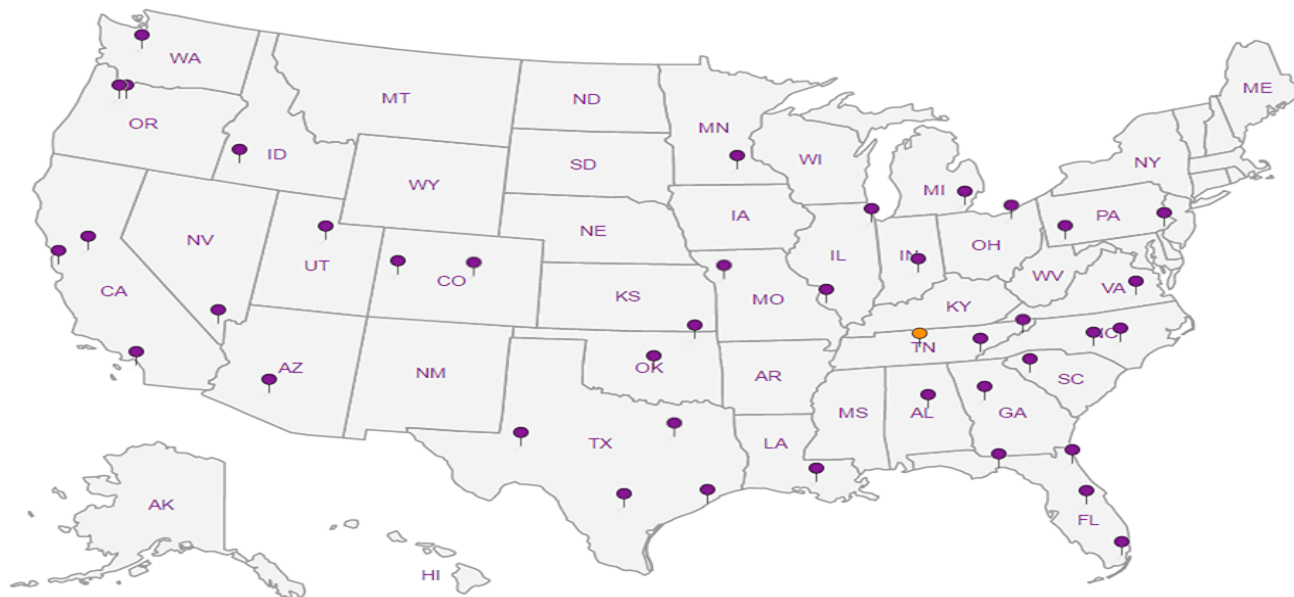
Third Party & Federal Accreditations

A2LA – ISO 17025	1461.01	AIHA-LAP,LLC	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.**



IRK # 6827 1101 9443

Company Name/Address:

**Berry Petroleum Company -
Denver, CO**1999 Broadway, Suite 3700
Denver, CO 80202Billing Information: Tom Hagelin
Linn Energy
235 Callahan
Accounts Payable
1999 Broadway, Suite 3700
Denver, CO 80202
Parachute, CO

Analysis/Container/Preservative

Chain of Custody
Page 1 of 112065 Lebanon Road
Mt. Juliet, TN 37122Phone: (800) 767-5859
Phone: (615) 758-5858
Fax: (615) 758-5859

Report to: Dave Nicholson

Email to: dknicholson@gmail.com

Project Description: Garden Gulch Pit Reclamation

City/State
Collected

Phone: (303) 999-1400 303-601- Client Project #:

ESC Key:

FAX: (303) 999-1401 2023

BERPETCO 0306155

Collected by: (print)

Site/Facility ID#:

P.O.#:

Collected by (signature):

Rush? (Lab MUST Be Notified)

Date Results Needed:

Immediately
Packed on Ice N Y

☐ Same Day..... 200%
☐ Next Day..... 100%
☐ Two Day..... 50%
☐ Three Day..... 25%

Email? ☐ No ☒ YesFAX? ☒ No ☐ YesNo.
of
Cntrs

Sample ID

Comp/Grab

Matrix*

Depth

Date

Time

I-11

SS

3/22

1330

8

X

X

X

X

X

X

X

X

X

Remarks/Contaminant

Sample # (lab only)

L898404-01

CoCode BERPETDCC (lab use only)

Template/Prelogin

Shipped Via:

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

Remarks: As, Ba, B, Cd, Cr, Cu, Pb, Hg, Ni, K, Se, Ag, Zn + Cr^{VI}

pH _____ Temp _____

Flow _____ Other _____

Relinquished by: (Signature)

Date:

Time:

Received by: (Signature)

Samples returned via: ☐ UPS☐ FedEx ☐ Courier ☐

Condition: (lab use only)

Relinquished by: (Signature)

Date:

Time:

Received by: (Signature)

Temp: 2.12

Bottles Received:

CoC Seals Intact ☐ Y ☒ N ☐ NA

Relinquished by: (Signature)

Date:

Time:

Received for lab by: (Signature)



Date: 3-25-17

Time: 9:00

pH Checked:

NCF:

ESC LAB SCIENCES Cooler Receipt Form

Client: BERPETCO		SDG# L898404		
Cooler Received/Opened On: 3/25/17		Temperature: 2.1		
Received By: Timiesha Scott				
Signature:  				
Receipt Check List		NP	Yes	No
COC Seal Present / Intact?		✓		
COC Signed / Accurate?			✓	
Bottles arrive intact?			✓	
Correct bottles used?			✓	
Sufficient volume sent?			✓	
If Applicable				
VOA Zero headspace?				
Preservation Correct / Checked?				