

July 17, 2020

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

## HRL Compliance Solutions- CO

Sample Delivery Group: L1238361  
Samples Received: 07/10/2020  
Project Number: LOCIN-FORK UNIT 9-10  
Description: Locib Oil Corp-Fork Unit 9-10-2-2  
Site: FORK UNIT 9-10-2-2  
Report To: Kris Rowe  
2385 F ½ Road  
Grand Junction, CO 81505

Entire Report Reviewed By:

*Chris Ward*

Chris Ward  
Project Manager

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 Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.





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## PIT BOTTOM L1238361-01 Solid

Collected by  
Matt Smith

Collected date/time  
07/06/20 15:00

Received date/time  
07/10/20 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG1507231	1	07/16/20 12:14	07/16/20 12:14	TRB	Mt. Juliet, TN
Calculated Results	WG1509034	1	07/14/20 17:28	07/17/20 11:14	JIC	Mt. Juliet, TN
Wet Chemistry by Method 3060A/7196A	WG1510492	1	07/16/20 18:55	07/17/20 11:14	JIC	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG1509277	1	07/16/20 10:00	07/16/20 13:41	JMB	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG1509766	1	07/15/20 01:00	07/16/20 03:00	CAT	Mt. Juliet, TN
Mercury by Method 7471A	WG1509102	1	07/14/20 20:51	07/15/20 08:57	ABL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1509034	1	07/14/20 17:28	07/15/20 08:48	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015/8021	WG1508162	1	07/11/20 09:44	07/13/20 14:51	AV	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1507846	1	07/15/20 18:46	07/16/20 14:08	FM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG1509075	1	07/14/20 20:53	07/15/20 04:51	AAT	Mt. Juliet, TN

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

## NORTH SIDEWALL L1238361-02 Solid

Collected by  
Matt Smith

Collected date/time  
07/06/20 14:45

Received date/time  
07/10/20 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8015/8021	WG1508162	1	07/11/20 09:44	07/13/20 15:12	AV	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1507846	1	07/15/20 18:46	07/16/20 13:55	FM	Mt. Juliet, TN

## SOUTH SIDEWALL L1238361-03 Solid

Collected by  
Matt Smith

Collected date/time  
07/06/20 15:15

Received date/time  
07/10/20 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8015/8021	WG1510637	1	07/11/20 09:44	07/17/20 13:02	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1507846	1	07/15/20 18:46	07/16/20 10:41	JN	Mt. Juliet, TN

## WEST SIDEWALL L1238361-04 Solid

Collected by  
Matt Smith

Collected date/time  
07/06/20 14:40

Received date/time  
07/10/20 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8015/8021	WG1508162	1	07/11/20 09:44	07/13/20 15:53	AV	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1507846	1	07/15/20 18:46	07/16/20 13:42	FM	Mt. Juliet, TN

## EAST SIDEWALL L1238361-05 Solid

Collected by  
Matt Smith

Collected date/time  
07/06/20 15:30

Received date/time  
07/10/20 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8015/8021	WG1508162	1	07/11/20 09:44	07/13/20 16:13	AV	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1507846	1	07/15/20 18:46	07/16/20 13:29	FM	Mt. Juliet, TN



All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, 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.

Chris Ward  
Project Manager

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc



## Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	1.50		1	07/16/2020 12:14	WG1507231

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Calculated Results

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Chromium, Trivalent	6.99		1.00	1	07/17/2020 11:14	<a href="#">WG1509034</a>

## 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	07/17/2020 11:14	<a href="#">WG1510492</a>

## Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.25	<a href="#">T8</a>	1	07/16/2020 13:41	<a href="#">WG1509277</a>

## Sample Narrative:

L1238361-01 WG1509277: 8.25 at 24:3C

## Wet Chemistry by Method 9050AMod

Analyte	Result umhos/cm	Qualifier	RDL umhos/cm	Dilution	Analysis date / time	Batch
Specific Conductance	2500		10.0	1	07/16/2020 03:00	<a href="#">WG1509766</a>

## Mercury by Method 7471A

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Mercury	ND		0.0400	1	07/15/2020 08:57	<a href="#">WG1509102</a>

## Metals (ICP) by Method 6010B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	ND		2.00	1	07/15/2020 08:48	<a href="#">WG1509034</a>
Barium	207		0.500	1	07/15/2020 08:48	<a href="#">WG1509034</a>
Cadmium	ND		0.500	1	07/15/2020 08:48	<a href="#">WG1509034</a>
Chromium	6.99		1.00	1	07/15/2020 08:48	<a href="#">WG1509034</a>
Copper	2.57		2.00	1	07/15/2020 08:48	<a href="#">WG1509034</a>
Lead	3.64		0.500	1	07/15/2020 08:48	<a href="#">WG1509034</a>
Nickel	3.88		2.00	1	07/15/2020 08:48	<a href="#">WG1509034</a>
Selenium	ND		2.00	1	07/15/2020 08:48	<a href="#">WG1509034</a>
Silver	ND		1.00	1	07/15/2020 08:48	<a href="#">WG1509034</a>
Zinc	12.8		5.00	1	07/15/2020 08:48	<a href="#">WG1509034</a>

## Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	0.00137		0.000500	1	07/13/2020 14:51	<a href="#">WG1508162</a>
Toluene	ND		0.00500	1	07/13/2020 14:51	<a href="#">WG1508162</a>
Ethylbenzene	ND		0.000500	1	07/13/2020 14:51	<a href="#">WG1508162</a>
Total Xylene	ND		0.00150	1	07/13/2020 14:51	<a href="#">WG1508162</a>
TPH (GC/FID) Low Fraction	ND		0.100	1	07/13/2020 14:51	<a href="#">WG1508162</a>



## Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
(S) a,a,a-Trifluorotoluene(FID)	87.2		77.0-120		07/13/2020 14:51	<a href="#">WG1508162</a>
(S) a,a,a-Trifluorotoluene(PID)	97.0		72.0-128		07/13/2020 14:51	<a href="#">WG1508162</a>

1  
Cp2  
Tc3  
Ss4  
Cn5  
Sr

## Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	13.2		4.00	1	07/16/2020 14:08	<a href="#">WG1507846</a>
(S) o-Terphenyl	65.5		18.0-148		07/16/2020 14:08	<a href="#">WG1507846</a>

6  
Qc7  
Gl8  
Al9  
Sc

## 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	07/15/2020 04:51	<a href="#">WG1509075</a>
Acenaphthene	ND		0.00600	1	07/15/2020 04:51	<a href="#">WG1509075</a>
Acenaphthylene	ND		0.00600	1	07/15/2020 04:51	<a href="#">WG1509075</a>
Benzo(a)anthracene	ND		0.00600	1	07/15/2020 04:51	<a href="#">WG1509075</a>
Benzo(a)pyrene	ND		0.00600	1	07/15/2020 04:51	<a href="#">WG1509075</a>
Benzo(b)fluoranthene	ND		0.00600	1	07/15/2020 04:51	<a href="#">WG1509075</a>
Benzo(g,h,i)perylene	ND		0.00600	1	07/15/2020 04:51	<a href="#">WG1509075</a>
Benzo(k)fluoranthene	ND		0.00600	1	07/15/2020 04:51	<a href="#">WG1509075</a>
Chrysene	ND		0.00600	1	07/15/2020 04:51	<a href="#">WG1509075</a>
Dibenz(a,h)anthracene	ND		0.00600	1	07/15/2020 04:51	<a href="#">WG1509075</a>
Fluoranthene	ND		0.00600	1	07/15/2020 04:51	<a href="#">WG1509075</a>
Fluorene	ND		0.00600	1	07/15/2020 04:51	<a href="#">WG1509075</a>
Indeno(1,2,3-cd)pyrene	ND		0.00600	1	07/15/2020 04:51	<a href="#">WG1509075</a>
Naphthalene	ND		0.0200	1	07/15/2020 04:51	<a href="#">WG1509075</a>
Phenanthrene	ND		0.00600	1	07/15/2020 04:51	<a href="#">WG1509075</a>
Pyrene	ND		0.00600	1	07/15/2020 04:51	<a href="#">WG1509075</a>
1-Methylnaphthalene	ND		0.0200	1	07/15/2020 04:51	<a href="#">WG1509075</a>
2-Methylnaphthalene	ND		0.0200	1	07/15/2020 04:51	<a href="#">WG1509075</a>
2-Chloronaphthalene	ND		0.0200	1	07/15/2020 04:51	<a href="#">WG1509075</a>
(S) p-Terphenyl-d14	98.7		23.0-120		07/15/2020 04:51	<a href="#">WG1509075</a>
(S) Nitrobenzene-d5	104		14.0-149		07/15/2020 04:51	<a href="#">WG1509075</a>
(S) 2-Fluorobiphenyl	93.3		34.0-125		07/15/2020 04:51	<a href="#">WG1509075</a>



## Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	0.000762		0.000500	1	07/13/2020 15:12	<a href="#">WG1508162</a>
Toluene	ND		0.00500	1	07/13/2020 15:12	<a href="#">WG1508162</a>
Ethylbenzene	ND		0.000500	1	07/13/2020 15:12	<a href="#">WG1508162</a>
Total Xylene	ND		0.00150	1	07/13/2020 15:12	<a href="#">WG1508162</a>
TPH (GC/FID) Low Fraction	ND		0.100	1	07/13/2020 15:12	<a href="#">WG1508162</a>
(S) a,a,a-Trifluorotoluene(FID)	87.5		77.0-120		07/13/2020 15:12	<a href="#">WG1508162</a>
(S) a,a,a-Trifluorotoluene(PID)	97.5		72.0-128		07/13/2020 15:12	<a href="#">WG1508162</a>

## Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	8.30		4.00	1	07/16/2020 13:55	<a href="#">WG1507846</a>
(S) o-Terphenyl	59.6		18.0-148		07/16/2020 13:55	<a href="#">WG1507846</a>

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



## Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	0.00173		0.000500	1	07/17/2020 13:02	<a href="#">WG1510637</a>
Toluene	ND		0.00500	1	07/17/2020 13:02	<a href="#">WG1510637</a>
Ethylbenzene	ND		0.000500	1	07/17/2020 13:02	<a href="#">WG1510637</a>
Total Xylene	0.00169		0.00150	1	07/17/2020 13:02	<a href="#">WG1510637</a>
TPH (GC/FID) Low Fraction	ND		0.100	1	07/17/2020 13:02	<a href="#">WG1510637</a>
(S) a,a,a-Trifluorotoluene(FID)	97.5		77.0-120		07/17/2020 13:02	<a href="#">WG1510637</a>
(S) a,a,a-Trifluorotoluene(PID)	99.9		72.0-128		07/17/2020 13:02	<a href="#">WG1510637</a>

## Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	ND		4.00	1	07/16/2020 10:41	<a href="#">WG1507846</a>
(S) o-Terphenyl	65.7		18.0-148		07/16/2020 10:41	<a href="#">WG1507846</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc





## Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	0.000838		0.000500	1	07/13/2020 15:53	<a href="#">WG1508162</a>
Toluene	ND		0.00500	1	07/13/2020 15:53	<a href="#">WG1508162</a>
Ethylbenzene	ND		0.000500	1	07/13/2020 15:53	<a href="#">WG1508162</a>
Total Xylene	ND		0.00150	1	07/13/2020 15:53	<a href="#">WG1508162</a>
TPH (GC/FID) Low Fraction	ND		0.100	1	07/13/2020 15:53	<a href="#">WG1508162</a>
(S) a,a,a-Trifluorotoluene(FID)	86.5		77.0-120		07/13/2020 15:53	<a href="#">WG1508162</a>
(S) a,a,a-Trifluorotoluene(PID)	97.0		72.0-128		07/13/2020 15:53	<a href="#">WG1508162</a>

## Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	16.4		4.00	1	07/16/2020 13:42	<a href="#">WG1507846</a>
(S) o-Terphenyl	64.7		18.0-148		07/16/2020 13:42	<a href="#">WG1507846</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



## Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	0.00120		0.000500	1	07/13/2020 16:13	<a href="#">WG1508162</a>
Toluene	ND		0.00500	1	07/13/2020 16:13	<a href="#">WG1508162</a>
Ethylbenzene	ND		0.000500	1	07/13/2020 16:13	<a href="#">WG1508162</a>
Total Xylene	ND		0.00150	1	07/13/2020 16:13	<a href="#">WG1508162</a>
TPH (GC/FID) Low Fraction	ND		0.100	1	07/13/2020 16:13	<a href="#">WG1508162</a>
(S) a,a,a-Trifluorotoluene(FID)	88.1		77.0-120		07/13/2020 16:13	<a href="#">WG1508162</a>
(S) a,a,a-Trifluorotoluene(PID)	96.9		72.0-128		07/13/2020 16:13	<a href="#">WG1508162</a>

## Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	7.75		4.00	1	07/16/2020 13:29	<a href="#">WG1507846</a>
(S) o-Terphenyl	65.6		18.0-148		07/16/2020 13:29	<a href="#">WG1507846</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Method Blank (MB)

(MB) R3550441-1 07/17/20 11:13

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/kg		mg/kg	mg/kg
Chromium,Hexavalent	U		0.640	2.00

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

L1240076-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1240076-01 07/17/20 11:15 • (DUP) R3550441-3 07/17/20 11:15

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/kg	mg/kg		%		%
Chromium,Hexavalent	ND	ND	1	14.2		20

Laboratory Control Sample (LCS)

(LCS) R3550441-2 07/17/20 11:13

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/kg	mg/kg	%	%	
Chromium,Hexavalent	24.0	25.8	108	80.0-120	

L1240076-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1240076-02 07/17/20 11:16 • (MS) R3550441-4 07/17/20 11:19 • (MSD) R3550441-5 07/17/20 11:20

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Chromium,Hexavalent	20.0	ND	19.1	20.5	95.6	103	1	75.0-125			7.05	20

L1240076-02 Original Sample (OS) • Matrix Spike (MS)

(OS) L1240076-02 07/17/20 11:16 • (MS) R3550441-6 07/17/20 11:21

	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Analyte	mg/kg	mg/kg	mg/kg	%		%	
Chromium,Hexavalent	667	ND	704	106	50	75.0-125	

L1238361-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1238361-01 07/16/20 13:41 • (DUP) R3550164-2 07/16/20 13:41

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	su	su		%		%
pH	8.25	8.27	1	0.242		1

Sample Narrative:  
OS: 8.25 at 24.3C  
DUP: 8.27 at 24.1C

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

L1239097-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1239097-04 07/16/20 13:41 • (DUP) R3550164-3 07/16/20 13:41

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	su	su		%		%
pH	8.05	8.06	1	0.124		1

Sample Narrative:  
OS: 8.05 at 24.3C  
DUP: 8.06 at 24C

Laboratory Control Sample (LCS)

(LCS) R3550164-1 07/16/20 13:41

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	su	su	%	%	
pH	10.0	10.0	100	99.0-101	

Sample Narrative:  
LCS: 10.02 at 23.5C

Method Blank (MB)

(MB) R3549892-1 07/16/20 03:00

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	umhos/cm		umhos/cm	umhos/cm
Specific Conductance	U		10.0	10.0

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc

L1238358-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1238358-01 07/16/20 03:00 • (DUP) R3549892-3 07/16/20 03:00

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	umhos/cm	umhos/cm		%		%
Specific Conductance	2190	2280	1	3.76		20

L1238359-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1238359-01 07/16/20 03:00 • (DUP) R3549892-4 07/16/20 03:00

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	umhos/cm	umhos/cm		%		%
Specific Conductance	1210	1190	1	1.50		20

Laboratory Control Sample (LCS)

(LCS) R3549892-2 07/16/20 03:00

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	umhos/cm	umhos/cm	%	%	
Specific Conductance	268	270	101	85.0-115	



Method Blank (MB)

(MB) R3549568-1 07/15/20 08:42

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/kg		mg/kg	mg/kg
Mercury	U		0.0180	0.0400

Laboratory Control Sample (LCS)

(LCS) R3549568-2 07/15/20 08:44

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/kg	mg/kg	%	%	
Mercury	0.500	0.548	110	80.0-120	

L1238358-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1238358-01 07/15/20 08:47 • (MS) R3549568-3 07/15/20 08:49 • (MSD) R3549568-4 07/15/20 08:52

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Mercury	0.500	ND	0.495	0.461	98.9	92.2	1	75.0-125			7.05	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc



Method Blank (MB)

(MB) R3549666-1 07/15/20 08:13

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Arsenic	U		0.460	2.00
Barium	U		0.240	0.500
Cadmium	U		0.0810	0.500
Chromium	U		0.250	1.00
Copper	U		0.506	2.00
Lead	U		0.208	0.500
Nickel	U		0.490	2.00
Selenium	U		0.617	2.00
Silver	U		0.228	1.00
Zinc	U		0.939	5.00

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Laboratory Control Sample (LCS)

(LCS) R3549666-2 07/15/20 08:16

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	100	99.5	99.5	80.0-120	
Barium	100	104	104	80.0-120	
Cadmium	100	99.7	99.7	80.0-120	
Chromium	100	101	101	80.0-120	
Copper	100	101	101	80.0-120	
Lead	100	101	101	80.0-120	
Nickel	100	104	104	80.0-120	
Selenium	100	104	104	80.0-120	
Silver	20.0	18.9	94.5	80.0-120	
Zinc	100	100	100	80.0-120	

L1238358-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1238358-01 07/15/20 08:19 • (MS) R3549666-5 07/15/20 08:28 • (MSD) R3549666-6 07/15/20 08:31

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 %
Arsenic	100	2.85	97.8	98.4	94.9	95.5	1	75.0-125			0.615	20
Barium	100	252	403	306	151	54.0	1	75.0-125	J5	J3 J6	27.5	20
Cadmium	100	ND	95.5	95.1	95.2	94.7	1	75.0-125			0.453	20
Chromium	100	12.7	107	106	94.1	93.4	1	75.0-125			0.675	20
Copper	100	9.27	104	104	95.1	94.7	1	75.0-125			0.346	20
Lead	100	8.08	104	105	96.0	97.1	1	75.0-125			1.07	20
Nickel	100	10.9	112	115	101	104	1	75.0-125			2.32	20



L1238358-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1238358-01 07/15/20 08:19 • (MS) R3549666-5 07/15/20 08:28 • (MSD) R3549666-6 07/15/20 08:31

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Selenium	100	ND	100	99.8	99.3	98.9	1	75.0-125			0.377	20
Silver	20.0	ND	18.4	18.3	91.9	91.3	1	75.0-125			0.656	20
Zinc	100	39.6	133	130	92.9	90.0	1	75.0-125			2.24	20

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc



Method Blank (MB)

(MB) R3550337-3 07/13/20 11:31

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Benzene	U		0.000120	0.000500
Toluene	U		0.000150	0.00500
Ethylbenzene	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)	93.0			77.0-120
(S) a,a,a-Trifluorotoluene(PID)	104			72.0-128

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Laboratory Control Sample (LCS)

(LCS) R3550337-1 07/13/20 10:29

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	0.0500	0.0481	96.2	76.0-121	
Toluene	0.0500	0.0505	101	80.0-120	
Ethylbenzene	0.0500	0.0527	105	80.0-124	
Total Xylene	0.150	0.154	103	37.0-160	
(S) a,a,a-Trifluorotoluene(FID)			90.4	77.0-120	
(S) a,a,a-Trifluorotoluene(PID)			97.0	72.0-128	

Laboratory Control Sample (LCS)

(LCS) R3550337-2 07/13/20 10:49

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.50	5.00	90.9	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			106	77.0-120	
(S) a,a,a-Trifluorotoluene(PID)			105	72.0-128	

Method Blank (MB)

(MB) R3550514-3 07/17/20 11:55

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Benzene	U		0.000120	0.000500
Toluene	U		0.000150	0.00500
Ethylbenzene	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)	99.7			77.0-120
(S) a,a,a-Trifluorotoluene(PID)	102			72.0-128

1  
Cp

2  
Tc

3  
Ss

4  
Cn

5  
Sr

6  
Qc

7  
Gl

8  
Al

9  
Sc

Laboratory Control Sample (LCS)

(LCS) R3550514-1 07/17/20 10:46

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	0.0500	0.0480	96.0	76.0-121	
Toluene	0.0500	0.0485	97.0	80.0-120	
Ethylbenzene	0.0500	0.0498	99.6	80.0-124	
Total Xylene	0.150	0.149	99.3	37.0-160	
(S) a,a,a-Trifluorotoluene(FID)			99.0	77.0-120	
(S) a,a,a-Trifluorotoluene(PID)			102	72.0-128	

Laboratory Control Sample (LCS)

(LCS) R3550514-2 07/17/20 11:11

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.50	6.17	112	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			105	77.0-120	
(S) a,a,a-Trifluorotoluene(PID)			109	72.0-128	

Method Blank (MB)

(MB) R3550122-1 07/16/20 10:15

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	77.3			18.0-148

Laboratory Control Sample (LCS)

(LCS) R3550122-2 07/16/20 10:28

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) High Fraction	50.0	38.2	76.4	50.0-150	
(S) o-Terphenyl			81.4	18.0-148	

L1238359-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1238359-02 07/16/20 15:13 • (MS) R3550122-3 07/16/20 15:26 • (MSD) R3550122-4 07/16/20 15:39

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) High Fraction	48.9	807	784	1100	0.000	598	5	50.0-150	V	J3 V	33.5	20
(S) o-Terphenyl					45.6	56.6		18.0-148				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3549502-2 07/15/20 01:24

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Anthracene	U		0.00230	0.00600
Acenaphthene	U		0.00209	0.00600
Acenaphthylene	U		0.00216	0.00600
Benzo(a)anthracene	U		0.00173	0.00600
Benzo(a)pyrene	U		0.00179	0.00600
Benzo(b)fluoranthene	U		0.00153	0.00600
Benzo(g,h,i)perylene	U		0.00177	0.00600
Benzo(k)fluoranthene	U		0.00215	0.00600
Chrysene	U		0.00232	0.00600
Dibenz(a,h)anthracene	U		0.00172	0.00600
Fluoranthene	U		0.00227	0.00600
Fluorene	U		0.00205	0.00600
Indeno(1,2,3-cd)pyrene	U		0.00181	0.00600
Naphthalene	U		0.00408	0.0200
Phenanthrene	U		0.00231	0.00600
Pyrene	U		0.00200	0.00600
1-Methylnaphthalene	U		0.00449	0.0200
2-Methylnaphthalene	U		0.00427	0.0200
2-Chloronaphthalene	U		0.00466	0.0200
(S) Nitrobenzene-d5	117			14.0-149
(S) 2-Fluorobiphenyl	94.6			34.0-125
(S) p-Terphenyl-d14	101			23.0-120

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Laboratory Control Sample (LCS)

(LCS) R3549502-1 07/15/20 01:01

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Anthracene	0.0800	0.0702	87.8	50.0-126	
Acenaphthene	0.0800	0.0646	80.7	50.0-120	
Acenaphthylene	0.0800	0.0638	79.8	50.0-120	
Benzo(a)anthracene	0.0800	0.0715	89.4	45.0-120	
Benzo(a)pyrene	0.0800	0.0703	87.9	42.0-120	
Benzo(b)fluoranthene	0.0800	0.0645	80.6	42.0-121	
Benzo(g,h,i)perylene	0.0800	0.0710	88.8	45.0-125	
Benzo(k)fluoranthene	0.0800	0.0734	91.8	49.0-125	
Chrysene	0.0800	0.0710	88.8	49.0-122	
Dibenz(a,h)anthracene	0.0800	0.0735	91.9	47.0-125	
Fluoranthene	0.0800	0.0764	95.5	49.0-129	

Laboratory Control Sample (LCS)

(LCS) R3549502-1 07/15/20 01:01

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Fluorene	0.0800	0.0717	89.6	49.0-120	
Indeno(1,2,3-cd)pyrene	0.0800	0.0733	91.6	46.0-125	
Naphthalene	0.0800	0.0636	79.5	50.0-120	
Phenanthrene	0.0800	0.0626	78.3	47.0-120	
Pyrene	0.0800	0.0634	79.3	43.0-123	
1-Methylnaphthalene	0.0800	0.0782	97.8	51.0-121	
2-Methylnaphthalene	0.0800	0.0750	93.8	50.0-120	
2-Chloronaphthalene	0.0800	0.0670	83.8	50.0-120	
(S) Nitrobenzene-d5			125	14.0-149	
(S) 2-Fluorobiphenyl			95.6	34.0-125	
(S) p-Terphenyl-d14			95.7	23.0-120	

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

L1238776-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1238776-02 07/15/20 02:10 • (MS) R3549502-3 07/15/20 02:33 • (MSD) R3549502-4 07/15/20 02:56

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 %
Anthracene	0.0800	ND	0.0615	0.0597	76.9	74.6	1	10.0-145			2.97	30
Acenaphthene	0.0800	ND	0.0603	0.0556	75.4	69.5	1	14.0-127			8.11	27
Acenaphthylene	0.0800	ND	0.0597	0.0549	74.6	68.6	1	21.0-124			8.38	25
Benzo(a)anthracene	0.0800	ND	0.0626	0.0644	78.3	80.5	1	10.0-139			2.83	30
Benzo(a)pyrene	0.0800	ND	0.0600	0.0599	75.0	74.9	1	10.0-141			0.167	31
Benzo(b)fluoranthene	0.0800	ND	0.0557	0.0573	69.6	71.6	1	10.0-140			2.83	36
Benzo(g,h,i)perylene	0.0800	ND	0.0609	0.0604	76.1	75.5	1	10.0-140			0.824	33
Benzo(k)fluoranthene	0.0800	ND	0.0599	0.0568	74.9	71.0	1	10.0-137			5.31	31
Chrysene	0.0800	ND	0.0611	0.0625	76.4	78.1	1	10.0-145			2.27	30
Dibenz(a,h)anthracene	0.0800	ND	0.0631	0.0609	78.9	76.1	1	10.0-132			3.55	31
Fluoranthene	0.0800	ND	0.0684	0.0739	85.5	92.4	1	10.0-153			7.73	33
Fluorene	0.0800	ND	0.0659	0.0615	82.4	76.9	1	11.0-130			6.91	29
Indeno(1,2,3-cd)pyrene	0.0800	ND	0.0623	0.0607	77.9	75.9	1	10.0-137			2.60	32
Naphthalene	0.0800	ND	0.0762	0.0931	95.3	116	1	10.0-135			20.0	27
Phenanthrene	0.0800	ND	0.0634	0.0724	79.3	90.5	1	10.0-144			13.3	31
Pyrene	0.0800	ND	0.0562	0.0599	70.3	74.9	1	10.0-148			6.37	35
1-Methylnaphthalene	0.0800	ND	0.0902	0.107	113	134	1	10.0-142			17.0	28
2-Methylnaphthalene	0.0800	ND	0.0964	0.125	121	156	1	10.0-137		J5	25.8	28
2-Chloronaphthalene	0.0800	ND	0.0636	0.0586	79.5	73.3	1	29.0-120			8.18	24
(S) Nitrobenzene-d5					118	111		14.0-149				
(S) 2-Fluorobiphenyl					91.6	86.3		34.0-125				
(S) p-Terphenyl-d14					84.9	81.5		23.0-120				



## Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

### Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(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.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
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.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

### Qualifier Description

J3	The associated batch QC was outside the established quality control range for precision.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
T8	Sample(s) received past/too close to holding time expiration.
V	The sample concentration is too high to evaluate accurate spike recoveries.

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Pace National 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.

\* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace National.

## State Accreditations

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN-03-2002-34
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico <sup>1</sup>	n/a
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina <sup>1</sup>	DW21704
Georgia	NELAP	North Carolina <sup>3</sup>	41
Georgia <sup>1</sup>	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky <sup>1 6</sup>	90010	South Carolina	84004
Kentucky <sup>2</sup>	16	South Dakota	n/a
Louisiana	AI30792	Tennessee <sup>1 4</sup>	2006
Louisiana <sup>1</sup>	LA180010	Texas	T104704245-18-15
Maine	TN0002	Texas <sup>5</sup>	LAB0152
Maryland	324	Utah	TN00003
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	460132
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA

## Third Party Federal Accreditations

A2LA – ISO 17025	1461.01	AIHA-LAP, LLC EMLAP	100789
A2LA – ISO 17025 <sup>5</sup>	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

<sup>1</sup> Drinking Water <sup>2</sup> Underground Storage Tanks <sup>3</sup> Aquatic Toxicity <sup>4</sup> Chemical/Microbiological <sup>5</sup> Mold <sup>6</sup> Wastewater n/a Accreditation not applicable

## Our Locations

Pace National 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. Pace National performs all testing at our central laboratory.



<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

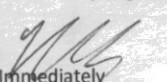
<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc



Client: <b>HRL Compliance Solutions Inc.</b> <b>2385 F 1/2 RD</b> <b>Grand Junction, CO 81505</b>	Billing Info: <b>HRL Compliance Solutions</b> <b>2385 F 1/2 Road</b> <b>Grand Junction, CO 81505</b>  <b>Quote #: HRLCSCO- 042015S</b>
Report To: <b>Kris Rowe</b>	E-Mail: <b>Krowe@hrlcomp.com</b>

Project Description: <b>Locin Oil Corp - Fork Unit 9-10-2-2</b>		City/State Collected: <b>COLORADO</b>
Phone: <b>970-243-3271</b> Fax: <b>970-243-4380</b>	Client Project #: <b>Locin- Fork Unit 9-10-2-2</b>	Lab Project #
Collected By: <b>Matt Smith</b>	Site/Facility ID: <b>Fork Unit 9-10-2-2</b>	P.O. #
Collected By (Signature):  Immediately Packed on Ice N <input type="checkbox"/> Y <input checked="" type="checkbox"/>	<b>Rush ? (lab must be notified)</b> <input type="checkbox"/> Same Day----- (200%) <input type="checkbox"/> Next Day----- (100%) <input type="checkbox"/> Two Day----- (50%) <input type="checkbox"/> Three Day----- (25%)	Date Results Needed <b>Standard 5 Day TAT</b> Email? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes Fax? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes No. Of Cntrs

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No. Of Cntrs	DRO	GRO	BTEX	PAH	910 Metals	SAR/EC/pH	Rem/Contaminant	Sample #
Pit Bottom	Grab	SS	8.5'	7/6/2020	15:00	1	X	X	X	X	X	X		-01
North Sidewall	Grab	SS	7.5'	7/6/2020	14:45	1	X	X	X					02
South Sidewall	Grab	SS	8'	7/6/2020	15:15	1	X	X	X					03
West Sidewall	Grab	SS	9'	7/6/2020	14:40	1	X	X	X					04
East Sidewall	Grab	SS	9'	7/6/2020	15:30	1	X	X	X					

*Matrix SS-Soil GW-Groundwater WW-WasteWater DW-Drinking Water OT-Other			
Remarks: Analyze samples for TPH (DRO & GRO) & BTEX first. IF Pit Bottom sample Exceeds COGCC Table 910-1 thresholds then analyze all samples for Full Table 910-1. Keep soil for possible additional analysis.			
Relinquished by (Sign)	Date: <b>7/8/20</b>	Time: <b>1200</b>	Relinquished by (Sign)
Relinquished by (Sign)	Date: <b>7/8/20</b>	Time: <b>1300</b>	Relinquished by (Sign)
Relinquished by (Sign)	Date:	Time:	Received for lab by (Sign)
pH _____ Temp _____ Flow _____ Other _____		Hold # _____ Condition: _____ (Lab Use) COC Seal Intact <input type="checkbox"/> Y <input type="checkbox"/> N pH Checked _____ NCF: _____	
Samples Returned Via <input type="checkbox"/> UPS <input type="checkbox"/> FedEx Temp: <b>ATC</b> # Bot <b>5</b> <b>6:50 AM</b>		Date <b>7/10/20</b> Time <b>8:30</b>	

Page \_\_\_\_ of \_\_\_\_

**Pace Analytical®**  
National Center for Testing & Innovation

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

**G205**

Acct #: HRLCSCO

Template:

Prelogin:  
TSR: Chris Ward  
PB: **1238361**

Shipped Via:

1676 2750 1.881



# Pace Analytical National Center for Testing & Innovation Cooler Receipt Form

Client:	HILL CSCO	1238361	
Cooler Received/Opened On:	7 / 10 / 20	Temperature:	1.5
Received By:	Carol Kemp		
Signature:	<i>Carol Kemp</i>		
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?			