



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

May 15, 2015

Ashley Ager

LTE

2243 Main Ave Suite 3

Durango, CO 81301

TEL: (970) 946-1093

FAX

RE: NGL Release

OrderNo.: 1505365

Dear Ashley Ager:

Hall Environmental Analysis Laboratory received 4 sample(s) on 5/8/2015 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely,

A handwritten signature in black ink, appearing to read 'Andy Freeman', is written over a horizontal line.

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1505365**

Date Reported: **5/15/2015**

CLIENT: LTE

Client Sample ID: SWS-Surface

Project: NGL Release

Collection Date: 5/7/2015 11:20:00 AM

Lab ID: 1505365-001

Matrix: SOIL

Received Date: 5/8/2015 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: KJH
Diesel Range Organics (DRO)	89	9.9		mg/Kg	1	5/12/2015 4:58:35 PM	19138
Surr: DNOP	109	57.9-140		%REC	1	5/12/2015 4:58:35 PM	19138
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	440	25		mg/Kg	5	5/12/2015 7:24:48 PM	19132
Surr: BFB	144	80-120	S	%REC	5	5/12/2015 7:24:48 PM	19132
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	3.5	0.25		mg/Kg	5	5/12/2015 7:24:48 PM	19132
Toluene	11	0.25		mg/Kg	5	5/12/2015 7:24:48 PM	19132
Ethylbenzene	1.2	0.25		mg/Kg	5	5/12/2015 7:24:48 PM	19132
Xylenes, Total	12	0.49		mg/Kg	5	5/12/2015 7:24:48 PM	19132
Surr: 4-Bromofluorobenzene	126	80-120	S	%REC	5	5/12/2015 7:24:48 PM	19132

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	O	RSD is greater than RSDlimit	P	Sample pH Not In Range
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1505365**

Date Reported: **5/15/2015**

CLIENT: LTE

Client Sample ID: SWS@1.25'

Project: NGL Release

Collection Date: 5/7/2015 11:30:00 AM

Lab ID: 1505365-002

Matrix: SOIL

Received Date: 5/8/2015 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS					Analyst: KJH		
Diesel Range Organics (DRO)	12	9.9		mg/Kg	1	5/12/2015 5:19:52 PM	19138
Surr: DNOP	106	57.9-140		%REC	1	5/12/2015 5:19:52 PM	19138
EPA METHOD 8015D: GASOLINE RANGE					Analyst: NSB		
Gasoline Range Organics (GRO)	5200	490		mg/Kg	100	5/13/2015 10:11:48 AM	19132
Surr: BFB	91.5	80-120		%REC	100	5/13/2015 10:11:48 AM	19132
EPA METHOD 8021B: VOLATILES					Analyst: NSB		
Benzene	42	0.49		mg/Kg	10	5/12/2015 7:53:58 PM	19132
Toluene	99	4.9		mg/Kg	100	5/13/2015 10:11:48 AM	19132
Ethylbenzene	7.5	0.49		mg/Kg	10	5/12/2015 7:53:58 PM	19132
Xylenes, Total	69	0.98		mg/Kg	10	5/12/2015 7:53:58 PM	19132
Surr: 4-Bromofluorobenzene	117	80-120		%REC	10	5/12/2015 7:53:58 PM	19132

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	O	RSD is greater than RSDlimit	P	Sample pH Not In Range
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1505365**

Date Reported: **5/15/2015**

CLIENT: LTE

Client Sample ID: SWS@2.5'

Project: NGL Release

Collection Date: 5/7/2015 11:40:00 AM

Lab ID: 1505365-003

Matrix: SOIL

Received Date: 5/8/2015 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS					Analyst: KJH		
Diesel Range Organics (DRO)	110	9.9		mg/Kg	1	5/13/2015 5:18:50 PM	19138
Surr: DNOP	212	57.9-140	S	%REC	1	5/13/2015 5:18:50 PM	19138
EPA METHOD 8015D: GASOLINE RANGE					Analyst: NSB		
Gasoline Range Organics (GRO)	7300	500		mg/Kg	100	5/13/2015 10:40:59 AM	19132
Surr: BFB	93.7	80-120		%REC	100	5/13/2015 10:40:59 AM	19132
EPA METHOD 8021B: VOLATILES					Analyst: NSB		
Benzene	70	5.0		mg/Kg	100	5/13/2015 10:40:59 AM	19132
Toluene	180	5.0		mg/Kg	100	5/13/2015 10:40:59 AM	19132
Ethylbenzene	12	0.50		mg/Kg	10	5/12/2015 8:23:05 PM	19132
Xylenes, Total	110	0.99		mg/Kg	10	5/12/2015 8:23:05 PM	19132
Surr: 4-Bromofluorobenzene	137	80-120	S	%REC	10	5/12/2015 8:23:05 PM	19132

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	O	RSD is greater than RSDlimit	P	Sample pH Not In Range
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1505365**

Date Reported: **5/15/2015**

CLIENT: LTE

Client Sample ID: Stock Pile

Project: NGL Release

Collection Date: 5/7/2015 11:50:00 AM

Lab ID: 1505365-004

Matrix: SOIL

Received Date: 5/8/2015 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: KJH
Diesel Range Organics (DRO)	320	9.6		mg/Kg	1	5/12/2015 6:23:27 PM	19138
Surr: DNOP	115	57.9-140		%REC	1	5/12/2015 6:23:27 PM	19138
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	3100	100		mg/Kg	20	5/12/2015 8:52:20 PM	19132
Surr: BFB	165	80-120	S	%REC	20	5/12/2015 8:52:20 PM	19132
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	28	1.0		mg/Kg	20	5/12/2015 8:52:20 PM	19132
Toluene	90	1.0		mg/Kg	20	5/12/2015 8:52:20 PM	19132
Ethylbenzene	8.9	1.0		mg/Kg	20	5/12/2015 8:52:20 PM	19132
Xylenes, Total	97	2.0		mg/Kg	20	5/12/2015 8:52:20 PM	19132
Surr: 4-Bromofluorobenzene	121	80-120	S	%REC	20	5/12/2015 8:52:20 PM	19132

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	O	RSD is greater than RSDlimit	P	Sample pH Not In Range
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1505365

15-May-15

Client: LTE
Project: NGL Release

Sample ID MB-19138	SampType: MBLK			TestCode: EPA Method 8015D: Diesel Range Organics						
Client ID: PBS	Batch ID: 19138			RunNo: 26122						
Prep Date: 5/8/2015	Analysis Date: 5/12/2015			SeqNo: 775123		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Surr: DNOP	9.9		10.00		99.0	57.9	140			

Sample ID LCS-19138	SampType: LCS			TestCode: EPA Method 8015D: Diesel Range Organics						
Client ID: LCSS	Batch ID: 19138			RunNo: 26122						
Prep Date: 5/8/2015	Analysis Date: 5/12/2015			SeqNo: 775138		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	43	10	50.00	0	86.5	67.8	130			
Surr: DNOP	5.7		5.000		114	57.9	140			

Qualifiers:

- | | |
|---|--|
| * Value exceeds Maximum Contaminant Level. | B Analyte detected in the associated Method Blank |
| E Value above quantitation range | H Holding times for preparation or analysis exceeded |
| J Analyte detected below quantitation limits | ND Not Detected at the Reporting Limit |
| O RSD is greater than RSDlimit | P Sample pH Not In Range |
| R RPD outside accepted recovery limits | RL Reporting Detection Limit |
| S Spike Recovery outside accepted recovery limits | |

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1505365

15-May-15

Client: LTE
Project: NGL Release

Sample ID MB-19132	SampType: MBLK		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: PBS	Batch ID: 19132		RunNo: 26157							
Prep Date: 5/8/2015	Analysis Date: 5/13/2015		SeqNo: 776451		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	960		1000		95.6	80	120			

Sample ID LCS-19132	SampType: LCS		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: LCSS	Batch ID: 19132		RunNo: 26157							
Prep Date: 5/8/2015	Analysis Date: 5/13/2015		SeqNo: 776452		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	5.0	25.00	0	93.9	64	130			
Surr: BFB	1000		1000		101	80	120			

Qualifiers:

* Value exceeds Maximum Contaminant Level.
E Value above quantitation range
J Analyte detected below quantitation limits
O RSD is greater than RSDlimit
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
P Sample pH Not In Range
RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1505365

15-May-15

Client: LTE
Project: NGL Release

Sample ID	MB-19132		SampType: MBLK		TestCode: EPA Method 8021B: Volatiles					
Client ID:	PBS		Batch ID: 19132		RunNo: 26157					
Prep Date:	5/8/2015		Analysis Date: 5/13/2015		SeqNo: 776482		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.050								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.1		1.000		112	80	120			

Sample ID	LCS-19132		SampType: LCS		TestCode: EPA Method 8021B: Volatiles					
Client ID:	LCSS		Batch ID: 19132		RunNo: 26157					
Prep Date:	5/8/2015		Analysis Date: 5/13/2015		SeqNo: 776483		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.050	1.000	0	103	76.6	128			
Toluene	0.99	0.050	1.000	0	98.9	75	124			
Ethylbenzene	1.0	0.050	1.000	0	102	79.5	126			
Xylenes, Total	3.0	0.10	3.000	0	100	78.8	124			
Surr: 4-Bromofluorobenzene	1.2		1.000		115	80	120			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
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Hall Environmental Analysis Laboratory
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Sample Log-In Check List

Client Name: LTE

Work Order Number: 1505365

RcptNo: 1

Received by/date:

Logged By: Lindsay Mangin

05/08/15
5/8/2015 7:00:00 AM

Completed By: Lindsay Mangin

5/8/2015 9:20:58 AM

Reviewed By: CS

05/08/15

Chain of Custody

1. Custody seals intact on sample bottles? Yes ☐ No ☐ Not Present ☒
2. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
3. How was the sample delivered? Courier

Log In

4. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
5. Were all samples received at a temperature of $>0^{\circ}\text{C}$ to 6.0°C ? Yes ☒ No ☐ NA ☐
6. Sample(s) in proper container(s)? Yes ☒ No ☐
7. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
8. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
9. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
10. VOA vials have zero headspace? Yes ☐ No ☐ No VOA Vials ☒
11. Were any sample containers received broken? Yes ☐ No ☒
12. Does paperwork match bottle labels?
(Note discrepancies on chain of custody) Yes ☒ No ☐
13. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
14. Is it clear what analyses were requested? Yes ☒ No ☐
15. Were all holding times able to be met?
(If no, notify customer for authorization.) Yes ☒ No ☐

of preserved
bottles checked
for pH:
(<2 or >12 unless noted)
Adjusted?
Checked by:

Special Handling (if applicable)

16. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified:

Date:

By Whom:

Via:

☐ eMail

☐ Phone

☐ Fax

☐ In Person

Regarding:

Client Instructions:

17. Additional remarks:

18. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.6	Good	Yes			

Chain-of-Custody Record

Client: LT Environmental, Inc.

Ashley Ager

Mailing Address: 22473 Main Ave #3

Durango, CO 81301

Phone #: (970) 385-1096

Mail or Fax#: AAger@LTEnv.com

QA/QC Package:

☒ Standard ☐ Level 4 (Full Validation)

Accreditation

☐ NELAP ☐ Other

☐ EDD (Type)

Turn-Around Time: ☒ Standard ☐ Rush

Project Name: NGL Release

Project #: 047715002

Project Manager: Ashley Ager

Sampler: Michael A Wicker

On Ice: ☒ Yes ☐ No

Sample Temperature: 16

Container Type and #

Preservative Type

HEAL No.

Date

Time

Sample Request ID

Matrix

Date

Time

Sample Request ID

Matrix

Date

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