



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

May 28, 2015

Ashley Ager

LTE

2243 Main Ave Suite 3

Durango, CO 81301

TEL: (970) 946-1093

FAX

RE: NGL Release

OrderNo.: 1505938

Dear Ashley Ager:

Hall Environmental Analysis Laboratory received 4 sample(s) on 5/21/2015 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 white background.

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1505938

Date Reported: 5/28/2015

CLIENT: LTE
Project: NGL Release
Lab ID: 1505938-001

Matrix: SOIL

Client Sample ID: SWS-Surface
Collection Date: 5/19/2015 11:00:00 AM
Received Date: 5/21/2015 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)	530	9.7		mg/Kg	1	5/26/2015 1:19:15 PM	19340
Surr: DNOP	108	57.9-140		%REC	1	5/26/2015 1:19:15 PM	19340
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	7.5	4.9		mg/Kg	1	5/22/2015 6:23:19 PM	19348
Surr: BFB	95.4	80-120		%REC	1	5/22/2015 6:23:19 PM	19348
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.049		mg/Kg	1	5/22/2015 6:23:19 PM	19348
Toluene	ND	0.049		mg/Kg	1	5/22/2015 6:23:19 PM	19348
Ethylbenzene	ND	0.049		mg/Kg	1	5/22/2015 6:23:19 PM	19348
Xylenes, Total	ND	0.099		mg/Kg	1	5/22/2015 6:23:19 PM	19348
Surr: 4-Bromofluorobenzene	95.7	80-120		%REC	1	5/22/2015 6:23:19 PM	19348

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	Page 1 of 7
	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 1505938

Date Reported: 5/28/2015

CLIENT: LTE
Project: NGL Release
Lab ID: 1505938-002

Matrix: SOIL

Client Sample ID: SWS @ 1.25'
Collection Date: 5/19/2015 11:05:00 AM
Received Date: 5/21/2015 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)	710	9.7		mg/Kg	1	5/26/2015 2:01:35 PM	19340
Surr: DNOP	113	57.9-140		%REC	1	5/26/2015 2:01:35 PM	19340
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	810	240		mg/Kg	50	5/22/2015 7:49:26 PM	19348
Surr: BFB	95.2	80-120		%REC	50	5/22/2015 7:49:26 PM	19348
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	5.4	2.4		mg/Kg	50	5/22/2015 7:49:26 PM	19348
Toluene	22	2.4		mg/Kg	50	5/22/2015 7:49:26 PM	19348
Ethylbenzene	ND	2.4		mg/Kg	50	5/22/2015 7:49:26 PM	19348
Xylenes, Total	33	4.8		mg/Kg	50	5/22/2015 7:49:26 PM	19348
Surr: 4-Bromofluorobenzene	101	80-120		%REC	50	5/22/2015 7:49:26 PM	19348

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 1505938

Date Reported: 5/28/2015

CLIENT: LTE
Project: NGL Release
Lab ID: 1505938-003

Matrix: SOIL

Client Sample ID: SWS @ 2.5'
Collection Date: 5/19/2015 11:10:00 AM
Received Date: 5/21/2015 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)	22	9.7		mg/Kg	1	5/26/2015 2:43:59 PM	19340
Surr: DNOP	89.9	57.9-140		%REC	1	5/26/2015 2:43:59 PM	19340
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	270	48		mg/Kg	10	5/22/2015 8:18:12 PM	19348
Surr: BFB	108	80-120		%REC	10	5/22/2015 8:18:12 PM	19348
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	1.4	0.48		mg/Kg	10	5/22/2015 8:18:12 PM	19348
Toluene	4.8	0.48		mg/Kg	10	5/22/2015 8:18:12 PM	19348
Ethylbenzene	0.56	0.48		mg/Kg	10	5/22/2015 8:18:12 PM	19348
Xylenes, Total	8.2	0.96		mg/Kg	10	5/22/2015 8:18:12 PM	19348
Surr: 4-Bromofluorobenzene	102	80-120		%REC	10	5/22/2015 8:18:12 PM	19348

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	Page 3 of 7
	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 1505938

Date Reported: 5/28/2015

CLIENT: LTE
Project: NGL Release
Lab ID: 1505938-004

Matrix: SOIL

Client Sample ID: Stock Pile
Collection Date: 5/19/2015 11:15:00 AM
Received Date: 5/21/2015 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)	580	97		mg/Kg	10	5/27/2015 9:15:30 AM	19340
Surr: DNOP	0	57.9-140	S	%REC	10	5/27/2015 9:15:30 AM	19340
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	150	4.9		mg/Kg	1	5/22/2015 8:46:58 PM	19348
Surr: BFB	474	80-120	S	%REC	1	5/22/2015 8:46:58 PM	19348
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	0.067	0.049		mg/Kg	1	5/22/2015 8:46:58 PM	19348
Toluene	0.19	0.049		mg/Kg	1	5/22/2015 8:46:58 PM	19348
Ethylbenzene	0.20	0.049		mg/Kg	1	5/22/2015 8:46:58 PM	19348
Xylenes, Total	2.8	0.097		mg/Kg	1	5/22/2015 8:46:58 PM	19348
Surr: 4-Bromofluorobenzene	135	80-120	S	%REC	1	5/22/2015 8:46:58 PM	19348

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#: 1505938

28-May-15

Client: LTE
Project: NGL Release

Sample ID MB-19340	SampType: MBLK		TestCode: EPA Method 8015D: Diesel Range Organics							
Client ID: PBS	Batch ID: 19340		RunNo: 26394							
Prep Date: 5/21/2015	Analysis Date: 5/26/2015		SeqNo: 784383		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	8.2		10.00		81.8	57.9	140			

Sample ID LCS-19340	SampType: LCS		TestCode: EPA Method 8015D: Diesel Range Organics							
Client ID: LCSS	Batch ID: 19340		RunNo: 26394							
Prep Date: 5/21/2015	Analysis Date: 5/26/2015		SeqNo: 784384		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	40	10	50.00	0	80.9	67.8	130			
Surr: DNOP	4.2		5.000		83.2	57.9	140			

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#: 1505938

28-May-15

Client: LTE
Project: NGL Release

Sample ID MB-19348	SampType: MBLK		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: PBS	Batch ID: 19348		RunNo: 26362							
Prep Date: 5/21/2015	Analysis Date: 5/22/2015		SeqNo: 783469		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	890		1000		89.0	80	120			

Sample ID LCS-19348	SampType: LCS		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: LCSS	Batch ID: 19348		RunNo: 26362							
Prep Date: 5/21/2015	Analysis Date: 5/22/2015		SeqNo: 784013		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	5.0	25.00	0	99.6	64	130			
Surr: BFB	970		1000		97.4	80	120			

Sample ID 1505938-001AMS	SampType: MS		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: SWS-Surface	Batch ID: 19348		RunNo: 26362							
Prep Date: 5/21/2015	Analysis Date: 5/22/2015		SeqNo: 784015		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	33	4.9	24.63	7.473	105	47.9	144			
Surr: BFB	1100		985.2		107	80	120			

Sample ID 1505938-001AMSD	SampType: MSD		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: SWS-Surface	Batch ID: 19348		RunNo: 26362							
Prep Date: 5/21/2015	Analysis Date: 5/22/2015		SeqNo: 784016		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	35	4.9	24.65	7.473	113	47.9	144	5.58	29.9	
Surr: BFB	1000		986.2		106	80	120	0	0	

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#: 1505938

28-May-15

Client: LTE
Project: NGL Release

Sample ID MB-19348	SampType: MBLK		TestCode: EPA Method 8021B: Volatiles							
Client ID: PBS	Batch ID: 19348		RunNo: 26362							
Prep Date: 5/21/2015	Analysis Date: 5/22/2015		SeqNo: 783476		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	1.0		1.000		104	80	120			

Sample ID LCS-19348	SampType: LCS		TestCode: EPA Method 8021B: Volatiles							
Client ID: LCSS	Batch ID: 19348		RunNo: 26362							
Prep Date: 5/21/2015	Analysis Date: 5/22/2015		SeqNo: 784022		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	101	76.6	128			
Toluene	0.99	0.050	1.000	0	99.0	75	124			
Ethylbenzene	1.0	0.050	1.000	0	102	79.5	126			
Xylenes, Total	3.0	0.10	3.000	0	101	78.8	124			
Surr: 4-Bromofluorobenzene	1.0		1.000		103	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 |
| 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 | |



Sample Log-In Check List

Client Name: **LTE**

Work Order Number: **1505938**

RcptNo: **1**

Received by/date: *A.T.* **05/21/15**

Logged By: **Ashley Gallegos** **5/21/2015 7:00:00 AM**

Completed By: **Ashley Gallegos** **5/21/2015 8:39:11 AM**

Reviewed By: *IO* **05/21/15**

[Handwritten initials]

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° 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 # of preserved bottles checked for pH: (<2 or >12 unless noted)
- 13. Are matrices correctly identified on Chain of Custody? Yes No Adjusted?
- 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 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 °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.0	Good	Yes			

Chain-of-Custody Record

Client: LT Environmental
 Ashley Ager
 Mailing Address: 2243 Main Ave #3
Durango, CO 81301
 Phone #: (970) 385-1096
 Email or Fax#: AAger@LTEnv.com
 A/QC Package: Standard Level 4 (Full Validation)
 Accreditation: NELAP Other
 EDD (Type) Other

Turn-Around Time: Standard Rush
 Project Name: NGL Release
 Project #: 047715003
 Project Manager: Ashley Ager
 Sampler: Michael A Wicker
 On Ice: Yes No
 Sample Temperature: 1.0

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No.
10-15	1100	Soil	SWS-Surface	Jar/2	Cool	1505938
↓	1105	↓	SWSE 1.25-	↓	↓	-002
↓	1110	↓	SWSE 2.5-	↓	↓	-003
↓	1115	↓	Stock Pile	↓	↓	-004

Relinquished by: [Signature] Date: 5/10/15 Time: 1200
 Relinquished by: [Signature] Date: 5/19/15 Time: 1200

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com
 4901 Hawkins NE - Albuquerque, NM 87109
 Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH 8015B (GRO / DRO / MRO)	TPH (Method 418.1)	EDB (Method 504.1)	PAH's (8310 or 8270 SIMS)	RCRA 8 Metals	Anions (F, Cl, NO ₃ , NO ₂ , PO ₄ , SO ₄)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	BTEX (6021)	TPH - GRO / DRO (6015)	Air Bubbles (Y or N)

Remarks: Please copy mwicker@LTEnv.com

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.