District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

Name of Company Burlington Resources Oil & Gas Company

State of New Mexico Energy Minerals and Natural Resources

Form C-141 Revised August 8, 2011

Final Report

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Submit 1 Copy to appropriate District Office to accordance with 19.15.29 NMAC.

Initial Report

Release Notification and Corrective Action

OPERATOR

Contact Lindsay Dumas

Address 3401 East 30 th St, Farmington, NM	Telephone No.(505) 599-4089
Facility Name: San Juan 28-6 149M	Facility Type: Gas
Surface Owner BLM Mineral Ov	/ner SF-079050-C API No.3003926251
LOCA	TION OF RELEASE
Unit Letter Section Township Range Feet from the	North/South Line Feet from the East/West Line County
O 27 28N 6W 1120	FSL 1845 FEL Rio Arriba
Latitude 36.6	28261 Longitude <u>-107.45151</u>
NATU	URE OF RELEASE
Type of Release Hydrocarbon	Volume of Release 7.45 bbl Volume Recovered 25 gal
Source of Release Oil/Production Tank	Date and Hour of Occurrence Date and Hour of Discovery
Was Immediate Notice Given?	Unknown 4/13/2015 3:00 PM If YES, To Whom?
Was infinediate Notice Given? ☐ Yes ☐ No ☒ Not Rec	
By Whom?	Date and Hour
Was a Watercourse Reached?	If YES, Volume Impacting the Watercourse.
☐ Yes ☒ No	
If a Watercourse was Impacted, Describe Fully.*	
in the excavation site. Analytical results were below the report is attached for review.	c/yds of clean soil was transported from Aztec Machine Co., and placed regulatory standards – no further action required. The soil sampling
regulations all operators are required to report and/or file certain re public health or the environment. The acceptance of a C-141 report should their operations have failed to adequately investigate and re	te to the best of my knowledge and understand that pursuant to NMOCD rules and ease notifications and perform corrective actions for releases which may endanger to by the NMOCD marked as "Final Report" does not relieve the operator of liability mediate contamination that pose a threat to ground water, surface water, human health eport does not relieve the operator of responsibility for compliance with any other OIL CONSERVATION DIVISION
Signature: Masay Sumar	- aure
Printed Name: Lindsay Dumas	Approved by Environmental Specialist:
Title: Field Environmental Specialist	Approval Date: 7/24/15 Expiration Date:
E-mail Address: Lindsay.Dumas@conocophillips.com	Conditions of Approval: Attached □
Date: 6/18/2015 Phone: (505) 599-40	
* Attach Additional Sheets If Necessary	# 100S 1517349609



2243 Main Avenue, Suite 3 Durango, Colorado 81301 T 970.385.1096 / F 970.385.1873

May 5, 2015

Lindsay Dumas ConocoPhillips San Juan Business Unit 5525 Highway 64 Farmington, New Mexico 87401

RE: Release Assessment and Confirmation Soil Sampling Report

San Juan 28-6 #149M

Rio Arriba County, New Mexico

Via electronic mail to: SJBUE-Team@ConocoPhillips.com

Dear Ms. Dumas:

On April 16, 2015, LT Environmental, Inc. (LTE) completed a release assessment at the ConocoPhillips (CoP) San Juan 28-6 #149M natural gas production well located in Rio Arriba County, New Mexico (Site). The purpose of the investigation was to delineate the extent of impacted soil following the release of approximately 7.45 barrels of natural gas condensate from an on-site aboveground storage tank (AST). Based on results of the release assessment, CoP excavated impacted soil and LTE returned to the Site on May 1, 2015 to collect confirmation soil samples.

1.0 Site Information

The Site is located southeast of Navajo City, New Mexico, on the southern end of Devils Spring Mesa in the uplands of Encierro Canyon as depicted on Figure 1. Surrounding land use consists of rural natural gas production and federal rangeland.

1.1 Location

Location:

SWSE, Section 27, T28N, R6W, Rio Arriba County, New Mexico

Wellhead Location:

36.628057, -107.451805

Release Location:

36.628267, -107.451513

Land Jurisdiction:

Bureau of Land Management (BLM)

A topographic location map and aerial site map are included as Figures 1 and 2, respectively.



1.2 NMOCD Ranking

In accordance with the New Mexico Oil Conservation Division (NMOCD) release protocols, remediation action levels were established per the NMOCD *Guidelines for Remediation of Leaks, Spills, and Releases* (August 1993), prior to the subsurface investigation. The release was assigned a total NMOCD ranking score of 10 based on the following ranking criteria:

- The depth to groundwater is greater than 100 feet below ground surface (bgs): A cathodic protection well is located approximately 835 feet southeast of the Site at the San Juan 28-6 Unit #29A production well. Groundwater was identified in the cathodic protection well at 200 feet bgs. The cathodic protection well is approximately 50 feet lower in elevation than the Site. (0 points)
- The distance to the nearest water source is greater than 1,000 feet and the nearest domestic water source is greater than 200 feet: The nearest permitted water well is located approximately 3,808 feet north of the Site and the nearest spring is located approximately 2.43 miles northwest of the Site. (0 points)
- The distance to the nearest surface water body is between 200 feet and 1,000 feet: A third-order tributary to Encierro Canyon is approximately 257 feet east of the Site. (10 points)

Based on the site setting, the applicable remediation action levels are 10 milligrams per kilogram (mg/kg) for benzene, 50 mg/kg for total benzene, toluene, ethylbenzene, and total xylenes (BTEX), and 1,000 mg/kg for total petroleum hydrocarbons (TPH).

1.3 Assessment

LTE was initially contacted by Lindsay Dumas of COP on April 13, 2015, and on April 16, 2015, Devin Hencmann, an LTE geologist, conducted the release assessment. LTE visually identified a small area of stained soil around the natural gas condensate AST and mapped the extent of stained soil with a Trimble GeoXT Global Positioning System (GPS). The location of the AST and extent of the release as observed on the ground surface is depicted on Figure 2.

LTE used a hand auger to advance a total of four boreholes (BH-1, BH-2, BH-5, and BH-9) within the area of stained soil, three boreholes (BH-3, BH-4, and BH-6) outside of the stained soil but within the bermed area, two boreholes (BH-7 and BH-8) outside of the bermed area, and two boreholes (BH-9 and BH-10) within the AST wedding cake secondary containment. Borehole BH-9 extended beneath the secondary containment to assess soil under the AST. The total depths of the soil borings ranged from between 1 foot and 4 feet bgs. Borehole locations are depicted on Figures 2 and 3.

2.0 Soil Sampling

During borehole advancement, LTE logged and described continuous soil samples using the Unified Soil Classification System (USCS). The intervals from immediately beneath the ground



surface and every one foot thereafter were screened for volatile aromatic hydrocarbons (VOCs) as well as any soil that was stained or had a hydrocarbon odor.

A total of four soil samples were collected for confirmation laboratory analysis. When field screening indicated impacted soil was present in boreholes, LTE collected confirmation soil samples from the bottom-most interval of impacted soil. This occurred at auger refusal in BH-2, BH-5, and BH-9 and at 1 foot bgs in BH-1. The remaining borehole locations were not selected for confirmation sampling based on visual, olfactory, and field screening observations indicating the absence of hydrocarbon impact.

2.1 Field Screening

Field screening was conducted with a photo-ionization detector (PID) equipped with a 10.6 electron volt lamp in accordance with the NMOCD *Guidelines for Remediation of Leaks, Spills, and Releases* (August 1993) to delineate the extent of impacted soil by measuring the VOC vapor in the head space of soil samples. Prior to conducting fieldwork, the PID was calibrated with 100 parts per million (ppm) isobutylene gas.

2.2 Laboratory Analysis

All confirmation soil samples were collected in pre-cleaned glass jars, labeled with location, date, time, sampler, and method of analysis and immediately placed on ice. The samples were hand delivered at 4 degrees Celsius (°C) under strict chain-of-custody procedures to Hall Environmental Analysis Laboratory (Hall) in Albuquerque, New Mexico, for analysis within the required holding times of:

- BTEX by United States Environmental Protection Agency (EPA) Method 8021B; and
- TPH-gasoline range organics (GRO) and TPH-diesel range organics (DRO) by EPA Method 8015B.

3.0 Field and Laboratory Results

Soil primarily consisted of silty sand to clayey fine sand that was 2 feet to 4 feet thick underlain by a weathered sandstone that could not be penetrated by the hand auger. The higher clay content was observed in northern boreholes BH-5, BH-6, BH-7, and BH-9. The soil boring logs are included as Attachment A.

On April 16, 2015, field screening results for VOCs indicated impacted soil was restricted to the area beneath visual staining evident on the ground surface. The highest field screening results (greater than 1,000 parts per million [ppm]) were observed in BH-2 and BH-5. Borehole BH-9 was advanced through the wedding cake secondary containment to investigate soil under the AST. Although field screening results did not exceed 1,000 ppm in that borehole, VOCs up to 328 ppm were identified at 2 feet bgs. Field screening of soil samples collected from BH-10 did not exceed



0 ppm, indicating the release did not saturate the entire wedding cake containment. No boreholes advanced outside of the stained soil contained field screening results exceeding 10 ppm.

Laboratory analytical results indicated BTEX and TPH concentrations in soil samples BH-1 at 1 foot bgs and BH-9 at 4 feet bgs were below the laboratory reporting limits or detected at only minor concentrations. Laboratory analytical results for soil samples BH-2 at 3.5 feet bgs and BH-5 at 4 feet bgs contained detectable concentrations of BTEX and TPH, but the concentrations were in compliance with NMOCD standards. Laboratory analytical results for the release assessment are summarized in Table 1 and presented on Figure 3. The full laboratory analytical report is included as Attachment 2.

4.0 Removal of Impacted Soil

Field screening and laboratory analytical results were used to delineate depth of impacted soil. CoP removed the AST and associated wedding cake secondary containment to excavate soil in the stained area to approximately 4 feet bgs. The final excavation was approximately 18 feet long by 18 feet wide as depicted on Figure 4. CoP transported approximately 54 cubic yards of soil from the excavation and wedding cake secondary containment to the Envirotech Landfarm in Hilltop, New Mexico for disposal.

On May 1, 2015, Mike Wicker of LTE collected composite soil samples from the sidewalls and floor of the excavation by depositing five aliquots of soil into plastic bags, thoroughly mixing the contents and sampling into four-ounce glass jars. Soil samples were stored on ice and delivered to Hall following strict chain-of-custody procedures. The soil samples were analyzed for BTEX by EPA Method 8021B and TPH-GRO and TPH-DRO by USEPA Method 8015D within required holding times.

Laboratory analytical results from the excavation soil samples indicate no BTEX or TPH concentrations were detected in soil from the sidewalls and the floor of the excavation except 27 mg/kg of DRO in the south sidewall sample. Laboratory analytical results are listed in Table 2 and presented on Figure 4. The complete laboratory report is included in Attachment A.

5.0 Conclusions and Recommendations

On April 16, 2015, LTE conducted a release assessment of impacted soil in response to a release of approximately 7.45 barrels of natural gas condensate from an AST at the San Juan 28-6 #149M natural gas production well. Remediation action levels for releases are determined by the NMOCD ranking score per NMOCD *Guidelines for Remediation of Leaks, Spills, and Releases* (August 1993), and the Site was assigned a rank of 10.



Field screening and analytical results indicated the release was mostly contained in the northwestern half of the wedding cake containment. Outside of the wedding cake containment, impacted soil was restricted to an area of visually stained soil within the berm. Vertical migration of liquids did not exceed 4 feet bgs. CoP removed approximately 54 cubic yards of impacted soil, including the contents of the wedding cake containment. Since BTEX and TPH concentrations in confirmation samples collected from the excavation floor and sidewalls on May 1, 2015 did not exceed applicable NMOCD standards, no further work is recommended.

LTE appreciates the opportunity to provide environmental services to CoP. If you have any questions regarding this report, please contact us at (970) 385-1096.

Sincerely,

LT ENVIRONMENTAL, INC.

Devin Hencmann

Sugar

Project Geologist

Ashley L. Ager

ashley L. ager

Senior Geologist/Office Manager

Attachments (7):

Figure 1 – Site Location Map

Figure 2 – Site Map

Figure 3 – Release Assessment Soil Sampling Results

Figure 4 – Excavation Soil Sampling Results

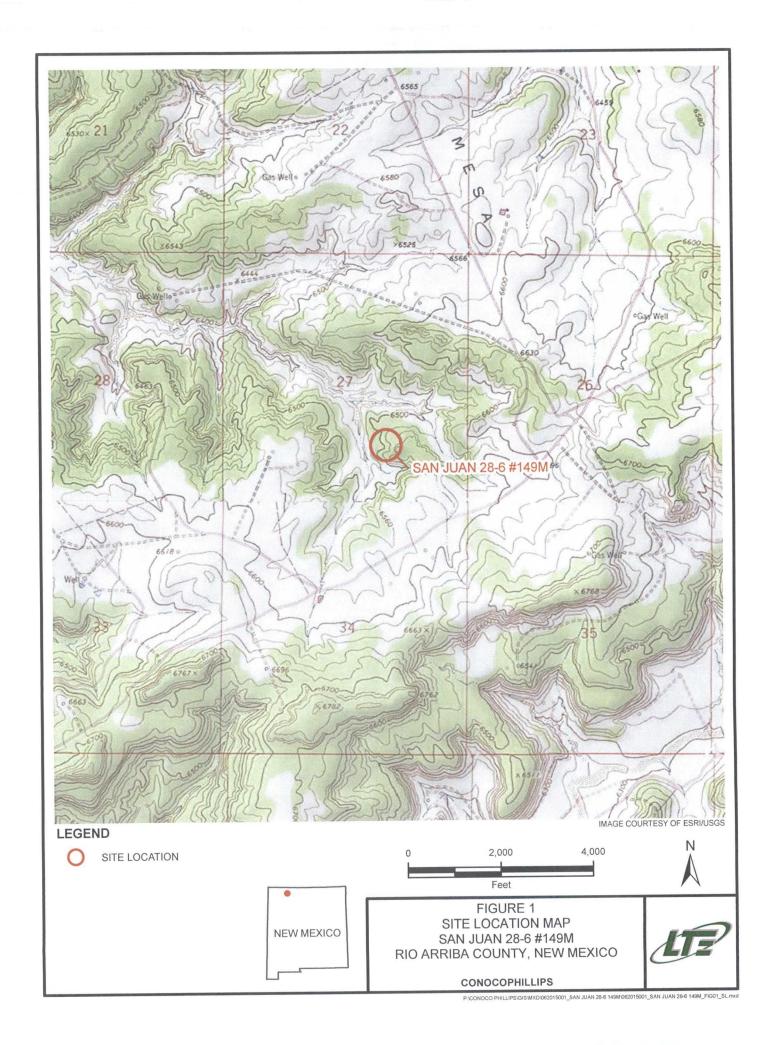
Table 1 – Laboratory Analytical Results

Attachment 1 – Borehole Logs

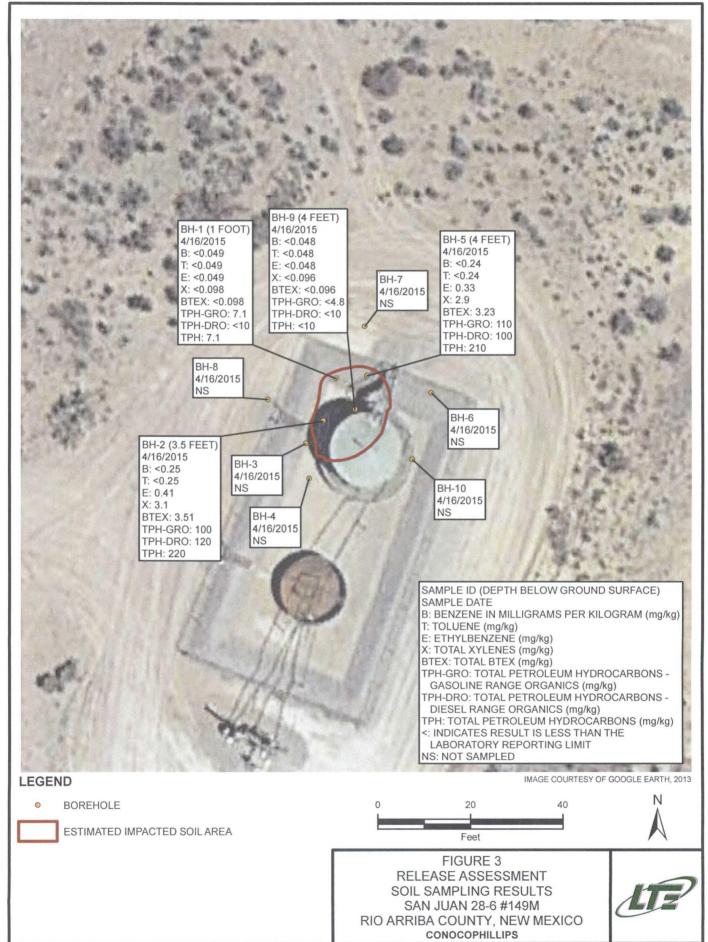
Attachment 2 - Laboratory Analytical Reports

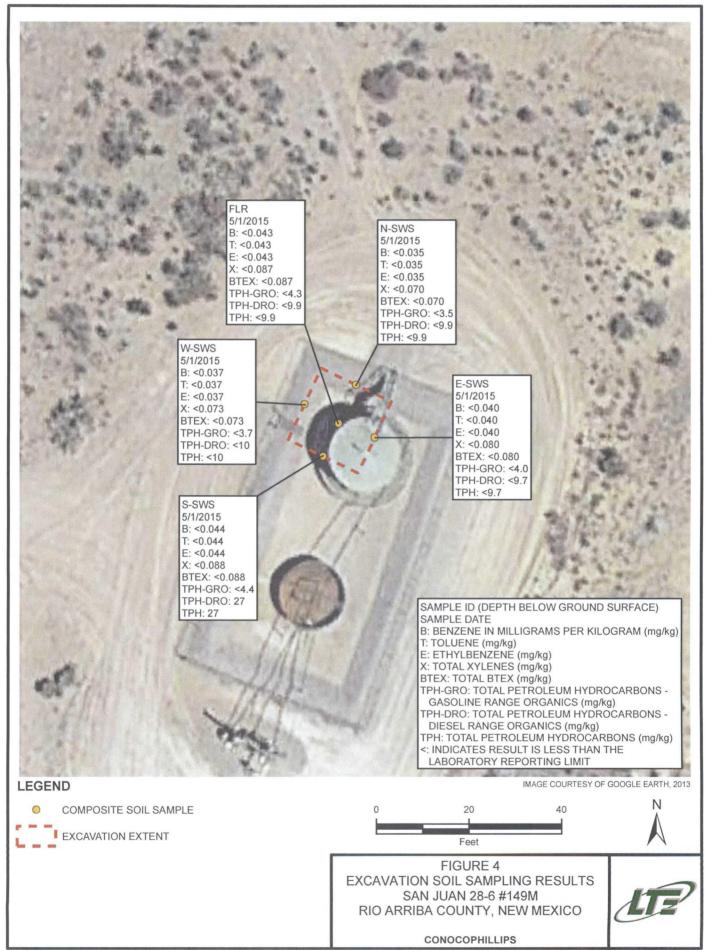
FIGURES











TABLES



TABLE 1

RELEASE ASSESSMENT SOIL ANALYTICAL RESULTS SAN JUAN 28-6 #149M CONOCOPHILLIPS

Soil Sample Identification	Sample Date	Vapor (ppm)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Total BTEX (mg/kg)	GRO (mg/kg)	DRO (mg/kg)	TPH (mg/kg)
BH-1 (1 foot)	4/16/2015	172	< 0.049	< 0.049	< 0.049	< 0.098	< 0.098	7.1	<10	7.1
BH-2 (3.5 feet)	4/16/2015	1,315	< 0.25	< 0.25	0.41	3.1	3.51	100	120	220
BH-5 (4 feet)	4/16/2015	1,986	< 0.24	< 0.24	0.33	2.9	3.23	110	100.00	210
BH-9 (4 feet) 4/16/2015 50.0		50.0	< 0.048	< 0.48	< 0.048	< 0.096	< 0.096	<4.8	<10	<10
NMOCI	Standards		10	NE	NE	NE	50	NE	NE	1,000

NOTES:

BTEX - benzene, toluene, ethylbenzene, total xylenes

DRO - diesel range organics

GRO - gasoline range organics

mg/kg - milligrams per kilogram

NE - Not Established

NMOCD - New Mexico Oil Conservation Division

ppm - parts per million

TPH - total petroleum hydrocarbons

< - indicates result is less than the stated laboratory reporting limit



TABLE 2

EXCAVATION SOIL ANALYTICAL RESULTS SAN JUAN 28-6 #149M CONOCOPHILLIPS

Soil Sample Identification	Sample Date	Benzene (mg/kg)			Total Xylenes (mg/kg)	Total BTEX (mg/kg)	GRO (mg/kg)	DRO (mg/kg)	TPH (mg/kg)
N-SWS	5/1/2015	< 0.035	< 0.035	< 0.035	< 0.070	< 0.070	<3.5	<9.9	<9.9
S-SWS	5/1/2015	< 0.044	< 0.044	< 0.044	<0.088	<0.088	<4.4	27	27
E-SWS	5/1/2015	< 0.040	< 0.040	< 0.040	<0.080	< 0.080	<4.0	<9.7	<9.7
W-SWS	5/1/2015	< 0.037	< 0.037	< 0.037	< 0.073	< 0.073	<3.7	<10	<10
FLR 5/1/2015		< 0.043	< 0.043	< 0.043	< 0.087	< 0.087	<4.3	<9.9	<9.9
NMOCD Standards		10	NE	NE	NE	50	NE	NE	1,000

NOTES:

BTEX - benzene, toluene, ethylbenzene, total xylenes

DRO - diesel range organics

GRO - gasoline range organics

mg/kg - milligrams per kilogram

NE - Not Established

NMOCD - New Mexico Oil Conservation Division

TPH - total petroleum hydrocarbons

< - indicates result is less than the stated laboratory reporting limit



ATTACHMENT A
BOREHOLE LOGS



		- Î	Compli	iance " E	ngineeri	ing » Rei	mediatio	on	Boring/Well Number:	Date:	6-15
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Grave	l Pack:		Seal:		Grout:		Comments:				
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Penetration					Depth (ft. bgs.)	Sample Run	Soil/Rock Type		Lithology/Remarks		Well Completion
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Casing	7. 45 Type:	0 41	Casing I	lle+	Casing Leng		Stor Size:		Hard Auger	Depth to Water:	
			1-		-						
Gravel			Seal:		Grout:	_	Comments:				
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Ø	Danj	2,782	odul		1-2 SM				Same as above		
Ø	1	1			2	2-3	ML	25% C	y fixe soud, Browning, 10% silt, 500 ned send	rofine,	
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LIZ 2	T Environme	enue, Suite 3	mediation	Boring/Well Number: BH-6 Project: San Juan 28-6 149M Logged By:	Date: 4-16-15 Profect Number: 062015001 Drilled By:
BORING LOG/MONI	TORING WEI	L COMPLETIO	N DIAGRAM	Devin Henemann	Devin Henemann
Lat/Long:	Blevation:	Detentor: PID	Drilling Method:	Sampling Method:	Hole Diameter: Total Depth:
Casing Type:	Casing Diameter:	Casing Length:	Hand Augel	Slot Length:	Depth to Water:
			Sior Olze.	Olot Evilgali	
Gravel Pack:	Seal:	Grout:	Comments:		
Penetration Resistance Moisture Content Vapor (ppm)	Staining Sample #	Depth Sample (ft. bgs.) Run	Soil/Rock Type	Lithology/Remarks	Well Completion
Damp 0.0 Damp 0.0 Dri 0.0		2	ML Clate 20% ML 10% ML 20%	Sand, Brown, silt, 45% fine sand Med sand of fine sand, Brown clay, 60% fine sand, well sand me as above red Sandstone	10%

BORI Lat/Long:	36.62	L1 22 Di G/MONI	Envir 243 Mai 47 Ango	onmein Ave o, Colo G WEI	ntal, Ind nue, Si rado 81	uite 3 1301 PLETIO		RAM thod:	Boring/Well Number: BH-7 Project: San Jv.: N 28-6 1: Logged By: Dev. n Heneman! Sampling Method: Hand Avject Slot Length:	Drilled By:	Henemann Total Depth:
Gravel Pa	ck:		Seal:		Grout:		Comments:				
Penetration Resistance	Moisture	Vapor (ppm)	Staining	Sample #	Depth (ft. bgs.)		Soil/Rock Type		Lithology/Remark	s	Well Completion
9	Dry	00	Ø		0	0-1	5M	5:14 5 308 5:	and, Brown 14, 50% fire sound	1, 20%, med .	
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		L 2 D G/MON	T Envi 243 Ma urange	ronme ain Ave o, Colo	ngineerii ntal, Ind nue, Su rado 81	ite 3 1301			Boring/Well Number: BH-8 Project: San Jaun 28-6 149N Logged By: Devin Hencmann	Drilled By:	500
Lat/Long:	36.62	1515	Elevation:	2++		[D	Drilling Me		Sampling Method: Hand Auger	Hole Diameter:	3
Casing Ty	De:		Casing Di	ameter:	Casing Leng	th:	Slot Size:		Slot Length:	Depth to Water	A
Gravel Pa	ck:	_	Seal:	 	Grout:	_	Comments:				
Penetration Resistance	Moisture	Vapor (ppm)	Staining	Sample #	Depth (ft. bgs.)		Soil/Rock Type		Lithology/Remarks		Well Completion
Noine	Dry	0.0	Ø		0 1	0-1	5M	5:144	Sand, Dark brown H. 40%, fine sand, 20	% Mad Sond	
NONE	Drj	0.0	Ø.		-	1-2	5m.	Sam	e as above	-	
None	Ort	0.0	ÇY'		2	2.3	5M	Samo	as above	-	-
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	(LT Env 2243 M	ironme lain Av	ngineer ental, In enue, S orado 8	c. uite 3	mediati	on.	Boring/Well Number: BH-9 Project: San Juan 28-6 T- Logged By:	Date: 4-16 Project Numb 062-0 Drilled By:	er:
	BOR	ING LO	OG/MOI			LL COM	PLETIO			Devin Heneman		Henemann
	Lat/Lon	07.45	1534	Elevation 651	n: (f+	Detector:	ID	Drilling M	sthod:	Sampling Method:	Hole Diameter	r: Total Depth:
	Casing 7	Type:		Casing D	Diameter:	Casing Leng	th:	Slot Size:	_	Slot Length:	Depth to Water	ж: .
	Gravel P			Seal:	-	Grout:		Comments:	olow Tan	k Batton inside co.	stainment logg	selfon Surface
	Penetration Resistance	Moisture	Vарот (ppm)	Staining	Sample #	Depth (ft. bgs.)		*		Lithology/Remark		Well Completion
	P	Wet	212	Slight		0 1	0-1	5M		Sand, light Brosser, 50% fine san		
	Ø	Dit		Slight		2	1-2	ML	30 10 01	fine sand, Brown	70 five sans	-
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کے	12		T Envir 243 Ma	onme in Ave	ngineeri ntal, Ind enue, St orado 81	ite 3	mediatio	on	Boring/Well Number: BH-10 Project: Sandown 28-6 #14. Logged By:	Date: 4-16-15 Project Number: [M 062015001 Drilled By:
-		G/MON	-		LL COM	The state of the s			Davin Heremann	Devin Heneman
at/Long	;		Elevation 651		Detector	ID	Drilling N Hand	Aus et	Sampling Method:	Hole Diameter Total Depth
asing T	ype:	-	Casing D	iameter:	Casing Le	ngth:	Slot Size:		Slot Length:	Depth to Water:
ravel Pa	ack:		Seal:		Grout:	,	Comment			
-	I	T	-	-			Bola in	ide of to	nk andary containment	logged Below Gland
Resistance Resistance	Moisture Content	Vapor (ppm)	Staining	Sample #	Depth (ft. bgs.)	Sample Run	Soil/Rock Type		Lithology/Re	marks
Ø	Dry	0.0	none		0 [+0		Soil in	1, 0.0 ppm on PII	Ment had no staining
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Page

ATTACHMENT B LABORATORY ANALYTICAL REPORTS





Hall Environmental Analysis Laboratory 4901 Hawkins NE

Albuquerque, NM 87109

TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

April 23, 2015

Ashley Ager

LTE

2243 Main Ave Suite 3

Durango, CO 81301

TEL: (970) 946-1093

FAX

RE: San Juan 28-6 #149M

OrderNo.: 1504766

Dear Ashley Ager:

Hall Environmental Analysis Laboratory received 4 sample(s) on 4/17/2015 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 qualifers 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,

Andy Freeman

Laboratory Manager

andel

4901 Hawkins NE

Albuquerque, NM 87109



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109

TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: LTE	Work Order Number	er: 1504766		RcptNo:	
Received by/date:	04/11/15	<u> </u>	-		
Logged By: Ashley Gall	egos 4/17/2015 6:55:00 A	M	A		
Completed By: Ashley Gall		AM	A		
Reviewed By:	Da 04/11/15		. 0		
Chain of Custody	JA - 0 110110				
Custody seals intact on sa	mple bottles?	Yes 🗌	No 🗆	Not Present	
2. Is Chain of Custody comple	ete?	Yes 🗹	No 🗌	Not Present	
3. How was the sample delive	ered?	Courier			
LogIn					
Log In	and the complete	Yes ✓	No 🗆	NA 🗆	
4. Was an attempt made to o	cool the samples?	162 (4)	WO [MA	
5. Were all samples received	at a temperature of >0° C to 6.0°C	Yes 🗹	No 🗆	NA 🗆	
6. Sample(s) in proper contain	iner(s)?	Yes 🗹	No 🗌		
7. Sufficient sample volume f	or 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 heads	space?	Yes 🗌	No 🗆	No VOA Vials	
11. Were any sample contains	ers received broken?	Yes 🗆	No 🗹	# of preserved	
42 5	What had a feet	Yes 🗸	No 🗆	bottles checked for pH:	
 Does paperwork match both (Note discrepancies on charge) 		Tes 🖭	NO L		>12 unless noted)
13. Are matrices correctly iden	tified on Chain of Custody?	Yes 🗹	No 🗆	Adjusted?	
14. Is it clear what analyses we		Yes 🗹	No 🗌		
 Were all holding times able (If no, notify customer for a 		Yes 🗹	No 🗆	Checked by:	
	•				
Special Handling (if app	licable)				
16. Was client notified of all dis	screpancies 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 1 1.0	Condition Seal Intact Seal No Good Yes	Seal Date	Signed By		
L					

C	hain-	of-Cu	stody R	ecord	Turn-Around	Time:			1						=	NEX		20	211	ИE	NIT.	CAI		
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NEL		□ Othe	r		On Ice:	Ø Yes ₹	D No.		M	+	8	418	504	or 82	co	õ	es/		(A)					0
] EDD	(Type)_				Sample rem	perature:		E CONTRACTOR OF THE PERSON OF		+ MTBE	8 (pou	P P	10	Veta	5	icid	(A)	-i-		1	.	13	S
Date	Time	Matrix	Cample F	Request ID	Container	Preservative	HEAL No.		型		8015B (GRO	(Method 418.1)	Met	(83	8	S	Pest	Š	(Semi-VOA)				3	pple
Date	Time	Maurx	Sample	request ID	Type and #	Туре			BTEX	BTEX	TPH	TPH (EDB (Method 504.1)	PAH's (8310 or 8270 SIMS)	RCRA 8 Metals	Anions (F,CI,NO3,NO2,PO4,SO4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270			1.	d	Air Bubbles (Y or N)
116/18	0926	50.1	BH-1 14	~ . <i>L</i>	1×40Z	(001	150471	PΨ	$\frac{1}{\mathcal{X}}$		X	-	Ш	0	2	4	Ö	80	80	\dashv	\dashv	+		A
		50.1		60 t	1×40Z	Cool			X	-	X	+	\dashv	\dashv	-	\dashv		\vdash	\dashv	\dashv	+	+	+	-
6/15		-		4 Feet			-002		_	-	-	\dashv	-	+	-	-	-			\dashv	\dashv	+	+	-
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1	f necessary	samoles subr	mitted to Hall Environ	mental may be subc	ontracted to other ac	Aredited laboratorie	es. This serves as notice	of this	possit	oility. A	ny sut	-contr	acted	data v	vill be	clearly	y nota	ted on	the an	alytica	repor	t.		



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

May 05, 2015

Devin Henchmann

LTE

2243 Main Ave Suite 3

Durango, CO 81301

TEL: (970) 946-1093

FAX

RE: San Juan 28-6 149M

OrderNo.: 1505063

Dear Devin Henchmann:

Hall Environmental Analysis Laboratory received 5 sample(s) on 5/2/2015 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 qualifers 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,

Andy Freeman

Laboratory Manager

Only

4901 Hawkins NE

Albuquerque, NM 87109

Lab Order 1505063

Date Reported: 5/5/2015

Hall Environmental Analysis Laboratory, Inc.

CLIENT: LTE

Client Sample ID: N-SWS

Project: San Juan 28-6 149M

Collection Date: 5/1/2015 9:10:00 AM

Lab ID: 1505063-001

Matrix: MEOH (SOIL)

Received Date: 5/2/2015 8:30:00 AM

Analyses	Result	RL Q	ual Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANG	GE ORGANICS				Analyst	: KJH
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	5/4/2015 11:13:48 AM	19021
Surr: DNOP	95.4	57.9-140	%REC	1	5/4/2015 11:13:48 AM	19021
EPA METHOD 8015D: GASOLINE RA	ANGE				Analyst	: NSB
Gasoline Range Organics (GRO)	ND	3.5	mg/Kg	1	5/4/2015 10:06:07 AM	19008
Surr: BFB	94.1	80-120	%REC	1	5/4/2015 10:06:07 AM	19008
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.035	mg/Kg	1	5/4/2015 10:06:07 AM	19008
Toluene	ND	0.035	mg/Kg	1	5/4/2015 10:06:07 AM	19008
Ethylbenzene	ND	0.035	mg/Kg	1	5/4/2015 10:06:07 AM	19008
Xylenes, Total	ND	0.070	mg/Kg	1	5/4/2015 10:06:07 AM	19008
Surr: 4-Bromofluorobenzene	107	80-120	%REC	1	5/4/2015 10:06:07 AM	19008

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

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

Page 1 of 8

- P Sample pH Not In Range
- RL Reporting Detection Limit

Lab Order 1505063

Date Reported: 5/5/2015

Hall Environmental Analysis Laboratory, Inc.

CLIENT: LTE

Client Sample ID: S-SWS

Project: San Juan 28-6 149M

Collection Date: 5/1/2015 9:15:00 AM

Lab ID: 150

1505063-002

Matrix: MEOH (SOIL)

Received Date: 5/2/2015 8:30:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGI	E ORGANICS				Analyst	KJH
Diesel Range Organics (DRO)	27	9.8	mg/Kg	1	5/4/2015 11:40:35 AM	19021
Surr: DNOP	97.6	57.9-140	%REC	1	5/4/2015 11:40:35 AM	19021
EPA METHOD 8015D: GASOLINE RA	NGE				Analyst	NSB
Gasoline Range Organics (GRO)	ND	4.4	mg/Kg	1	5/4/2015 10:34:52 AM	19008
Surr: BFB	90.3	80-120	%REC	1	5/4/2015 10:34:52 AM	19008
EPA METHOD 8021B: VOLATILES					Analyst	NSB
Benzene	ND	0.044	mg/Kg	1	5/4/2015 10:34:52 AM	19008
Toluene	ND	0.044	mg/Kg	1	5/4/2015 10:34:52 AM	19008
Ethylbenzene	ND	0.044	mg/Kg	1	5/4/2015 10:34:52 AM	19008
Xylenes, Total	ND	0.088	mg/Kg	1	5/4/2015 10:34:52 AM	19008
Surr: 4-Bromofluorobenzene	102	80-120	%REC	1	5/4/2015 10:34:52 AM	19008

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

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

Page 2 of 8

- P Sample pH Not In Range
- RL Reporting Detection Limit

Lab Order 1505063

Date Reported: 5/5/2015

Hall Environmental Analysis Laboratory, Inc.

CLIENT: LTE

Client Sample ID: E-SWS

Project: San Juan 28-6 149M

Collection Date: 5/1/2015 9:20:00 AM

Lab ID: 1505063-003

Matrix: MEOH (SOIL)

Received Date: 5/2/2015 8:30:00 AM

Analyses	Result	RL Q	ual Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANG	E ORGANICS				Analyst	KJH
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	5/4/2015 12:07:10 PM	19021
Surr: DNOP	93.9	57.9-140	%REC	1	5/4/2015 12:07:10 PM	19021
EPA METHOD 8015D: GASOLINE RA	NGE				Analyst	NSB
Gasoline Range Organics (GRO)	ND	4.0	mg/Kg	1	5/4/2015 11:03:31 AM	19008
Surr: BFB	92.4	80-120	%REC	1	5/4/2015 11:03:31 AM	19008
EPA METHOD 8021B: VOLATILES					Analyst	NSB
Benzene	ND	0.040	mg/Kg	1	5/4/2015 11:03:31 AM	19008
Toluene	ND	0.040	mg/Kg	1	5/4/2015 11:03:31 AM	19008
Ethylbenzene	ND	0.040	mg/Kg	1	5/4/2015 11:03:31 AM	19008
Xylenes, Total	ND	0.080	mg/Kg	1	5/4/2015 11:03:31 AM	19008
Surr: 4-Bromofluorobenzene	105	80-120	%REC	1	5/4/2015 11:03:31 AM	19008

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

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

Page 3 of 8

- P Sample pH Not In Range
- RL Reporting Detection Limit

Lab Order 1505063

Date Reported: 5/5/2015

Hall Environmental Analysis Laboratory, Inc.

CLIENT: LTE

Client Sample ID: W-SWS

Project:

San Juan 28-6 149M

Collection Date: 5/1/2015 10:00:00 AM

Lab ID:

1505063-004

Matrix: MEOH (SOIL) Received

Received Date: 5/2/2015 8:30:00 AM

Analyses	Result	RL Qu	ıal Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE	ORGANICS				Analyst	: KJH
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	5/4/2015 12:33:59 PM	19021
Surr: DNOP	99.1	57.9-140	%REC	1	5/4/2015 12:33:59 PM	19021
EPA METHOD 8015D: GASOLINE RAN	IGE				Analyst	: NSB
Gasoline Range Organics (GRO)	ND	3.7	mg/Kg	1	5/4/2015 11:32:13 AM	19008
Surr: BFB	94.0	80-120	%REC	1	5/4/2015 11:32:13 AM	19008
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.037	mg/Kg	1	5/4/2015 11:32:13 AM	19008
Toluene	ND	0.037	mg/Kg	1	5/4/2015 11:32:13 AM	19008
Ethylbenzene	ND	0.037	mg/Kg	1	5/4/2015 11:32:13 AM	19008
Xylenes, Total	ND	0.073	mg/Kg	1	5/4/2015 11:32:13 AM	19008
Surr: 4-Bromofluorobenzene	108	80-120	%REC	1	5/4/2015 11:32:13 AM	19008

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

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

Page 4 of 8

- P Sample pH Not In Range
- RL Reporting Detection Limit

Lab Order 1505063

Date Reported: 5/5/2015

Hall Environmental Analysis Laboratory, Inc.

CLIENT: LTE

Client Sample ID: FLR

Project: San Juan 28-6 149M

Collection Date: 5/1/2015 9:30:00 AM

Lab ID: 1505063-005

Matrix: MEOH (SOIL) Received Date: 5/2/2015 8:30:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANG	E ORGANICS				Analyst	: KJH
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	5/4/2015 1:00:46 PM	19021
Surr: DNOP	70.9	57.9-140	%REC	1	5/4/2015 1:00:46 PM	19021
EPA METHOD 8015D: GASOLINE RA	NGE				Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.3	mg/Kg	1	5/4/2015 12:00:59 PM	19008
Surr: BFB	110	80-120	%REC	1	5/4/2015 12:00:59 PM	19008
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.043	mg/Kg	1	5/4/2015 12:00:59 PM	19008
Toluene	ND	0.043	mg/Kg	1	5/4/2015 12:00:59 PM	19008
Ethylbenzene	ND	0.043	mg/Kg	1	5/4/2015 12:00:59 PM	19008
Xylenes, Total	ND	0.087	mg/Kg	1	5/4/2015 12:00:59 PM	19008
Surr: 4-Bromofluorobenzene	112	80-120	%REC	1	5/4/2015 12:00:59 PM	19008

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

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

Page 5 of 8

- P Sample pH Not In Range
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#:

1505063

05-May-15

Client:

LTE

Project:

San Juan 28-6 149M

Sample ID MB-19021	Sample ID MB-19021 SampType: MBLK					TestCode: EPA Method 8015D: Diesel Range Organics							
Client ID: PBS	RunNo: 25918												
Prep Date: 5/4/2015	Analysis Date: 5/4/2015			SeqNo: 7	68279	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	9.8	10.00		98.1	57.9	140							
Sample ID LCS-19021	SampType: LCS		Tes	tCode: El	PA Method	8015D: Diese	el Range (Organics					
Client ID: LCSS	Batch ID: 1902	21	F	RunNo: 2	5918								
Prep Date: 5/4/2015	Analysis Date: 5/4/	2015	S	SeqNo: 7	68718	Units: mg/K	(g						
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual				
Diesel Range Organics (DRO)	53 10	50.00	0	105	67.8	130							
Surr: DNOP	4.8	5.000		95.6	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

Page 6 of 8

Hall Environmental Analysis Laboratory, Inc.

WO#:

1505063

05-May-15

Client:

LTE

Project:

San Juan 28-6 149M

Sample ID MB-19008 . SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range Client ID: PBS Batch ID: 19008 RunNo: 25928 Prep Date: 5/1/2015 Analysis Date: 5/4/2015 SeqNo: 768762 Units: mg/Kg Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Analyte Gasoline Range Organics (GRO) ND 5.0 Surr: BFB 910 1000 90.7 80 120

Sample ID LCS-19008	SampT	ype: LC	S	Test	tCode: El	PA Method	8015D: Gaso	line Rang	е	
Client ID: LCSS	Batch	ID: 19	800	R	RunNo: 2	5928				
Prep Date: 5/1/2015	Analysis D	ate: 5/	4/2015	S	SeqNo: 7	68763	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	5.0	25.00	0	102	64	130			
Surr: BFB	1000		1000		102	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

Page 7 of 8

Hall Environmental Analysis Laboratory, Inc.

WO#: 1505063

05-May-15

Client:

LTE

Project:

San Juan 28-6 149M

Sample ID MB-19008	SampT	уре: МЕ	BLK	Test	Code: El	PA Method	8021B: Volat	iles		
Client ID: PBS	Batch	n ID: 19	800	R	RunNo: 2	5928				
Prep Date: 5/1/2015	Analysis D	ate: 5/	4/2015	S	SeqNo: 7	68844	Units: mg/K	g		
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		105	80	120			
Sample ID LCS-19008	SampT	ype: LC	s	Tes	tCode: El	PA Method	8021B: Volat	tiles		
Client ID: LCSS	Batcl	n ID: 19	800	F	RunNo: 2	5928				
Prep Date: 5/1/2015	Analysis D	Date: 5/	4/2015	8	SeqNo: 7	68845	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Prep Date: 5/1/2015	Analysis D	Date: 5/	4/2015	8	SeqNo: 7	68845	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.050	1.000	0	111	76.6	128			
Toluene	1.1	0.050	1.000	0	110	75	124			
Ethylbenzene	1.1	0.050	1.000	0	112	79.5	126			
Xylenes, Total	3.3	0.10	3.000	0	111	78.8	124			
Surr: 4-Bromofluorobenzene	1.2		1.000		116	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

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Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: LTE	Work Order Number:	1505063		RcptNo:	1
Received by/date:	asladis				• • • • • • • • • • • • • • • • • • • •
Logged By: Lindsay Mangin	5/2/2015 8:30:00 AM		Charles		
Completed By: Lindsay Mangin	5/2/2015 10:38:51 AM		Junely Harges		
Reviewed By:	T				
Chain of Custody	,				
1. Custody seals intact on sample bottle	es?	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 sai	mples?	Yes 🖢	No 🗆	NA 🗆	
5. Were all samples received at a temp	erature of >0° C to 6.0°C	Yes 🗹	No 🗆	NA 🗆	
6. Sample(s) in proper container(s)?		Yes 🗹	No 🗆		
7. Sufficient sample volume for indicate	d 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 receive	d broken?	Yes	No 🐼		
			_	# of preserved bottles checked	
12. Does paperwork match bottle labels?		Yes	No 🗌	for pH:	r >12 unless noted)
(Note discrepancies on chain of custo 13. Are matrices correctly identified on C	•	Yes 🐼	No 🗆	Adjusted?	- 12 uniosa notau)
14. Is it clear what analyses were reques	-	Yes 🗹	No 🗆		
15. Were all holding times able to be me	17	Yes 🐼	No 🗆	Checked by:	
(If no, notify customer for authorization	on.)		'		
One stat Handling (Manakisahla)					
Special Handling (if applicable)		у П		NA 🐼	
16. Was client notified of all discrepance	es with this order?	Yes 📙	No L	NA 🗷	1
Person Notified:	Date:				
By Whom:	Via:	eMail	Phone Fax	n Person	
Regarding:					
Client Instructions: 17. Additional remarks:]
18. Cooler Information Cooler No Temp °C Condition	on Seal Intact Seal No	Seal Date	Signed By	I	
1 3.6 Good	Yes				

C	hain-	of-Cu	stody Record	Tum-/	Around	Time:	Some Day					AL		E	MV	TE	20	NIR	4EI	NIT	AL	
Client:	LT 1	נסיונים	nmental Inc	□ St	andard	Rush	Some Day 5-4-15			H											OR	
	Devin		mann	Projec	t Name	e:							v.hal									
	Address		3 Main Ave #3	1	So	un Juan	28-6 149M		490	01 H	lawk	ins N	NE -	Alb	uque	erqu	e, N	M 87	109			
			490, CO 81301	Projec	t#:			1	Te	1. 50	05-34	15-3	975	F	ax	505-	345	4107	,			
Phone :	#: (97	385	5-1096		00	201500	١	100					Act of the	naly	sis	Req	ues	1				
			Mann@LTEnv.com	Projec	t Mana				(ylu	30)					(1/2				T	T	ত্ৰ	T
	Package:							3021	IS OI	ME			(S		, SC	PCB's				-	(8015)	
Stan	dard		☐ Level 4 (Full Validation)		Devis	1 Henen	1aun ·	8) 8,	(G8	DRO / MRO)			SIMS)		9	2 PC			1		DRO	
Accredi				Samp	ler: M	ichael W	icker	TMB's (8021)	TPH (Gas only)	0/	=	=	8270		NO	808			1		9	2
□ NEL	_	□ Othe	r	On Ice		Yes	□ No ···	+	+	58	418	504	or 82	00	03,	98/		(A)	1	80	0	5
□ EDD	(Type)_			Samp	le Tem	perature. 3	ila mass	TBE	+ MTBE	B (G	рог	pou	100	leta	CIN	icide	(A)	ni-V	-	4	6R	2
Dete	T	S. d. a. b. d. a.	Commis Dominant ID	Cont	tainer	Preservative		BTEX + MTBE	+	TPH 8015B (GRO /	TPH (Method 418.1)	(Method 504.1)	PAH's (8310	RCRA 8 Metals	Anions (F,CI,NO3,NO2,PO4,SO4)	8081 Pesticides / 8082	8260B (VOA)	8270 (Semi-VOA)	1	×	1	Air Bubbles (Y or N)
Date	Time	Matrix	Sample Request ID	Туре	and#	Туре	HEAL No.	EX	BTEX	H 8) H	EDB (NH's	SRA	ions	81	809	70 (1	BTEX	西	Bu
				-	1		1505063	B	B	F	<u><u>+</u></u>	ш	P.	N.	Ā	80	82	82	2	2	4	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
5-1-15	0910	Soil	N-SWS	Jar	12	(001	-001													1	1	
1	0915	1	S-SWS				-00Z															
	0920		E-SWS				-003															
	0925	2	W-SWS				-034													П	T	T
V	0930	~	FLR		/	V	-005													苁	1	\top
																			T			\top
																			\top	+	+	+
																		\dashv	+	+	+	+
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								-										-	+	+	+	+
				-			<u> </u>											\dashv	+	+	+	+
Date:	Time:	Relinguishe	ed by://	Respive	ed by:	<u> </u>	Date Time	Ren	narks	3:												
5-1-15	11:45	1	May.	Vih	Int	Walter	5/1/14 1145															
Date:	Time:	Relinquish	ed by:	Receive		Λ	Date, Time	1														
1/1/1	1944	JANTO	tu hotter	1	A.A.	5	ASO JUST															
45	necessary,	samples subr	mitted to Hall Environmental may be subs	ontracted	to other	ccredited laboratori	es. This serves as notice of this	possil	bility.	Any su	ıb-coni	racted	data :	will be	clear	y nota	ted on	the an	alytical	repor	t.	

Lab Order 1504766

Date Reported: 4/23/2015

Hall Environmental Analysis Laboratory, Inc.

CLIENT: LTE

Client Sample ID: BH-1 1 Foot

Project: San Juan 28-6 #149M

Collection Date: 4/16/2015 9:26:00 AM

Lab ID: 1504766-001

Matrix: SOIL

Received Date: 4/17/2015 6:55:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANG	GE ORGANICS				Analys	t: JME
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	4/21/2015 8:49:14 PM	18760
Surr: DNOP	95.9	57.9-140	%REC	1	4/21/2015 8:49:14 PM	18760
EPA METHOD 8015D: GASOLINE RA	ANGE				Analys	st: NSB
Gasoline Range Organics (GRO)	7.1	4.9	mg/Kg	1	4/21/2015 10:36:17 PI	M 18764
Surr: BFB	118	80-120	%REC	1	4/21/2015 10:36:17 PI	M 18764
EPA METHOD 8021B: VOLATILES					Analys	t: NSB
Benzene	ND	0.049	mg/Kg	1	4/21/2015 10:36:17 PI	M 18764
Toluene	ND	0.049	mg/Kg	1	4/21/2015 10:36:17 PI	M 18764
Ethylbenzene	ND	0.049	mg/Kg	1	4/21/2015 10:36:17 PI	M 18764
Xylenes, Total	ND	0.098	mg/Kg	1	4/21/2015 10:36:17 PI	M 18764
Surr: 4-Bromofluorobenzene	101	80-120	%REC	1	4/21/2015 10:36:17 PI	M 18764

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

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

Page 1 of 9

- P Sample pH Not In Range
- RL Reporting Detection Limit

Lab Order 1504766

Date Reported: 4/23/2015

Hall Environmental Analysis Laboratory, Inc.

CLIENT: LTE

Client Sample ID: BH-5 4 Feet

Project: San Juan 28-6 #149M

Collection Date: 4/16/2015 11:27:00 AM

Lab ID: 1504766-002

Matrix: SOIL

Received Date: 4/17/2015 6:55:00 AM

Analyses	Result	RL (Qual U	Inits	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANG	E ORGANICS					Analyst	JME
Diesel Range Organics (DRO)	100	10	r	mg/Kg	1	4/21/2015 9:53:07 PM	18760
Surr: DNOP	96.3	57.9-140	(%REC	1	4/21/2015 9:53:07 PM	18760
EPA METHOD 8015D: GASOLINE RA	NGE					Analyst	NSB
Gasoline Range Organics (GRO)	110	24	r	mg/Kg	5	4/21/2015 11:04:52 PM	18764
Surr: BFB	176	80-120	S	%REC	5	4/21/2015 11:04:52 PM	18764
EPA METHOD 8021B: VOLATILES						Analyst	NSB
Benzene	ND	0.24	r	mg/Kg	5	4/21/2015 11:04:52 PM	18764
Toluene	ND	0.24	1	mg/Kg	5	4/21/2015 11:04:52 PM	18764
Ethylbenzene	0.33	0.24	1	mg/Kg	5	4/21/2015 11:04:52 PM	18764
Xylenes, Total	2.9	0.48	1	mg/Kg	5	4/21/2015 11:04:52 PM	18764
Surr: 4-Bromofluorobenzene	107	80-120		%REC	5	4/21/2015 11:04:52 PM	18764

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

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

Page 2 of 9

- P Sample pH Not In Range
- RL Reporting Detection Limit

Lab Order 1504766

Date Reported: 4/23/2015

Hall Environmental Analysis Laboratory, Inc.

CLIENT: LTE

Client Sample ID: BH-2 3.5 Feet

Project: San Juan 28-6 #149M

Collection Date: 4/16/2015 10:30:00 AM

Lab ID:

1504766-003

Matrix: SOIL

Received Date: 4/17/2015 6:55:00 AM

Analyses	Result	RL (Qual U	J nits	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE	ORGANICS					Analys	t: JME
Diesel Range Organics (DRO)	120	10		mg/Kg	1	4/21/2015 10:14:32 PM	18760
Surr: DNOP	92.7	57.9-140		%REC	1	4/21/2015 10:14:32 PM	18760
EPA METHOD 8015D: GASOLINE RAI	NGE					Analys	t: NSB
Gasoline Range Organics (GRO)	100	25		mg/Kg	5	4/21/2015 11:33:38 PM	18764
Surr: BFB	177	80-120	S	%REC	5	4/21/2015 11:33:38 PM	18764
EPA METHOD 8021B: VOLATILES						Analys	t: NSB
Benzene	ND	0.25		mg/Kg	5	4/21/2015 11:33:38 PM	18764
Toluene	ND	0.25		mg/Kg	5	4/21/2015 11:33:38 PM	18764
Ethylbenzene	0.41	0.25		mg/Kg	5	4/21/2015 11:33:38 PM	18764
Xylenes, Total	3.1	0.50		mg/Kg	5	4/21/2015 11:33:38 PN	18764
Surr: 4-Bromofluorobenzene	109	80-120		%REC	5	4/21/2015 11:33:38 PM	18764

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

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

Page 3 of 9

- P Sample pH Not In Range
- RL Reporting Detection Limit

Lab Order 1504766

Date Reported: 4/23/2015

Hall Environmental Analysis Laboratory, Inc.

CLIENT: LTE Client Sample ID: BH-9 4 Feet

 Project:
 San Juan 28-6 #149M
 Collection Date: 4/16/2015 1:05:00 PM

 Lab ID:
 1504766-004
 Matrix: SOIL
 Received Date: 4/17/2015 6:55:00 AM

Analyses	Result	RL Q	ual Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE	ORGANICS				Analyst	JME
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	4/21/2015 10:35:51 PM	18760
Surr: DNOP	90.4	57.9-140	%REC	1	4/21/2015 10:35:51 PM	18760
EPA METHOD 8015D: GASOLINE RAI	NGE				Analyst	NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	4/22/2015 12:02:22 AM	18764
Surr: BFB	91.3	80-120	%REC	1	4/22/2015 12:02:22 AM	18764
EPA METHOD 8021B: VOLATILES					Analyst	NSB
Benzene	ND	0.048	mg/Kg	1	4/22/2015 12:02:22 AM	18764
Toluene	ND	0.048	mg/Kg	1	4/22/2015 12:02:22 AM	18764
Ethylbenzene	ND	0.048	mg/Kg	1	4/22/2015 12:02:22 AM	18764
Xylenes, Total	ND	0.096	mg/Kg	1	4/22/2015 12:02:22 AM	18764
Surr: 4-Bromofluorobenzene	95.9	80-120	%REC	1	4/22/2015 12:02:22 AM	18764

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

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

Page 4 of 9

- P Sample pH Not In Range
- RL Reporting Detection Limit

Hall Environmental Analysis Laboratory, Inc.

WO#: 1504766

Page 5 of 9

23-Apr-15

Client:

LTE

Project: San Juan	28-6 #149M			
Sample ID MB-18792	SampType: MBLK	TestCode: EPA Method	8015D: Diesel Range O	rganics
Client ID: PBS	Batch ID: 18792	RunNo: 25632		
Prep Date: 4/21/2015	Analysis Date: 4/21/2015	SeqNo: 759849	Units: %REC	
Analyte	Result PQL SPK value	e SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Surr: DNOP	8.5 10.00	84.8 57.9	140	
Sample ID MB-18760	SampType: MBLK	TestCode: EPA Method	8015D: Diesel Range C	rganics
Client ID: PBS	Batch ID: 18760	RunNo: 25632		
Prep Date: 4/18/2015	Analysis Date: 4/21/2015	SeqNo: 759850	Units: mg/Kg	
Analyte	Result PQL SPK value	e SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Diesel Range Organics (DRO)	ND 10		2.85	
Surr: DNOP	8.1 10.00	81.0 57.9	140	ī
Sample ID LCS-18792	SampType: LCS	TestCode: EPA Method	8015D: Diesel Range C	rganics
Client ID: LCSS	Batch ID: 18792	RunNo: 25632		
Prep Date: 4/21/2015	Analysis Date: 4/21/2015	SeqNo: 759851	Units: %REC	
Analyte	Result PQL SPK value	e SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Surr: DNOP	4.7 5.000	94.5 57.9	140	
Sample ID LCS-18760	SampType: LCS	TestCode: EPA Method	8015D: Diesel Range C	Organics
Client ID: LCSS	Batch ID: 18760	RunNo: 25632		
Prep Date: 4/18/2015	Analysis Date: 4/21/2015	SeqNo: 759852	Units: mg/Kg	
Analyte	Result PQL SPK value	e SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Diesel Range Organics (DRO)	46 10 50.00		130	
Surr: DNOP	4.9 5.000	97.1 57.9	140	
Sample ID 1504766-001AMS	SampType: MS	TestCode: EPA Method	8015D: Diesel Range C	Organics
Client ID: BH-1 1 Foot	Batch ID: 18760	RunNo: 25632		
Prep Date: 4/18/2015	Analysis Date: 4/21/2015	SeqNo: 760129	Units: mg/Kg	
Analyte	Result PQL SPK value	e SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Diesel Range Organics (DRO)	48 10 49.8		176	
Surr: DNOP	5.0 4.98	5 101 57.9	140	
Sample ID 1504766-001AMS	D SampType: MSD	TestCode: EPA Method	8015D: Diesel Range C	Organics
Client ID: BH-1 1 Foot	Batch ID: 18760	RunNo: 25632		
Prep Date: 4/18/2015	Analysis Date: 4/21/2015	SeqNo: 760130	Units: mg/Kg	
Analyte		e SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Diesel Range Organics (DRO)	57 10 49.9		176 15.8	23
Surr: DNOP	5.0 4.99	0 101 57.9	140 0	0

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

WO#:

1504766

23-Apr-15

Client:

LTE

Project:

San Juan 28-6 #149M

Sample ID LCS-18786

SampType: LCS

TestCode: EPA Method 8015D: Diesel Range Organics

Client ID:

LCSS

Batch ID: 18786

RunNo: 25664

Prep Date: 4/20/2015

Analysis Date: 4/22/2015

SeqNo: 761215

Units: %REC

Analyte

Result

SPK value SPK Ref Val

%REC LowLimit HighLimit

Qual

Surr: DNOP

5.3

5.000

TestCode: EPA Method 8015D: Diesel Range Organics

140

RPDLimit

Sample ID MB-18786

PBS

SampType: MBLK

Batch ID: 18786

PQL

POI

RunNo: 25664

107

57.9

Units: %REC

Client ID: Prep Date:

4/20/2015

Analysis Date: 4/22/2015

SeqNo: 761222

%RPD

%RPD

RPDLimit

Analyte

Result

10.00

SPK value SPK Ref Val %REC

87.6

57.9

140

Qual

Surr: DNOP

8.8

LowLimit

HighLimit

Qualifiers:

Value exceeds Maximum Contaminant Level.

Spike Recovery outside accepted recovery limits

Value above quantitation range E

Analyte detected below quantitation limits

0 RSD is greater than RSDlimit

R RPD outside accepted recovery limits Analyte detected in the associated Method Blank

Н Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

Sample pH Not In Range Reporting Detection Limit Page 6 of 9

Hall Environmental Analysis Laboratory, Inc.

WO#:

1504766

23-Apr-15

Client:

LTE

Project:

San Juan 28-6 #149M

1 Toject.	San Juan	20-0 11177	IVI								
Sample ID	MB-18764	SampT	ype: ME	BLK	Test	tCode: EF	PA Method	8015D: Gaso	line Rang	е	
Client ID:	PBS	Batch	ID: 18	764	R	RunNo: 25	5643				
Prep Date:	4/20/2015	Analysis D	ate: 4/	21/2015	S	SeqNo: 76	60143	Units: mg/K	(g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range	e Organics (GRO)	ND	5.0								
Surr: BFB		870		1000		86.9	80	120			
Sample ID	LCS-18764	SampT	ype: LC	s	Tes	tCode: EF	PA Method	8015D: Gaso	oline Rang	е	
Client ID:	LCSS	Batch	ID: 18	764	R	RunNo: 2	5643				
Prep Date:	4/20/2015	Analysis D	ate: 4/	21/2015	S	SeqNo: 76	60144	Units: mg/k	(g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range	e Organics (GRO)	26	5.0	25.00	0	105	64	130			
Surr: BFB		990		1000		98.9	80	120			
Sample ID	1504766-001AMS	SampT	ype: MS	3	Tes	tCode: EF	PA Method	8015D: Gaso	oline Rang	е	
Client ID:	BH-1 1 Foot	Batch	ID: 18	764	F	RunNo: 2	5643				
Prep Date:	4/20/2015	Analysis D	ate: 4/	21/2015	8	SeqNo: 70	60172	Units: mg/k	(g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
	e Organics (GRO)	37	4.9	24.58	7.116	121	47.9	144			
Surr: BFB		1400		983.3		139	80	120			S
Sample ID	1504766-001AMSI	D SampT	ype: MS	SD	Tes	tCode: EF	PA Method	8015D: Gaso	oline Rang	е	
Client ID:	BH-1 1 Foot	Batch	ID: 18	764	F	RunNo: 2	5643				
Prep Date:	4/20/2015	Analysis D	ate: 4/	21/2015	5	SeqNo: 7	60173	Units: mg/k	⟨g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang	e Organics (GRO)	26	5.0	24.78	7.116	75.4	47.9	144	35.4	29.9	R
Surr: BFB		1000		991.1		102	80	120	0	0	
Sample ID	MB-18803	SampT	уре: М	BLK	Tes	tCode: El	PA Method	8015D: Gaso	oline Rang	е	
Client ID:	PBS	Batch	ID: 18	803	F	RunNo: 2	5665				
Prep Date:	4/21/2015	Analysis D	ate: 4	/22/2015	5	SeqNo: 7	61162	Units: %RE	C		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB		850		1000		85.0	80	120			
Sample ID	LCS-18803	SampT	ype: LC	s	Tes	tCode: El	PA Method	8015D: Gaso	oline Rang	е	
Client ID:	LCSS	Batch	1D: 18	803	F	RunNo: 2	5665				
Prep Date:	4/21/2015	Analysis D	ate: 4	/22/2015	5	SeqNo: 7	61163	Units: %RE	С		
		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Analyte		Result	I WL	OI IT VAILUE	OI IVIVOI Vai	7011	LOVALIIIII				

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- Value above quantitation range E
- Analyte detected below quantitation limits
- RSD is greater than RSDlimit 0
- RPD outside accepted recovery limits R
- Spike Recovery outside accepted recovery limits
- Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

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- Sample pH Not In Range
- RL Reporting Detection Limit

Hall Environmental Analysis Laboratory, Inc.

WO#:

1504766

23-Apr-15

Client:

LTE

Project:

San Juan 28-6 #149M

Project:	San Juan	28-6 #149	IVI								
Sample ID	MB-18764	SampT	уре: МВ	LK	Test	Code: EF	PA Method	8021B: Volat	tiles		
Client ID:	PBS	Batch	1D: 187	764	R	unNo: 2	5643				
Prep Date:	4/20/2015	Analysis D	ate: 4/2	21/2015	S	eqNo: 70	60213	Units: mg/K	(g		
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-Bron	nofluorobenzene	0.97		1.000		97.1	80	120			
Sample ID	LCS-18764	SampT	ype: LC	S	Test	Code: El	PA Method	8021B: Vola	tiles		
Client ID:	LCSS	Batch	n ID: 18	764	R	unNo: 2	5643				
Prep Date:	4/20/2015	Analysis D)ate: 4/	21/2015	S	eqNo: 7	60214	Units: mg/K	(g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		1.1	0.050	1.000	0	110	76.6	128			
Toluene		1.0	0.050	1.000	0	105	75	124			
Ethylbenzene		1.1	0.050	1.000	0	110	79.5	126			
Xylenes, Total		3.3	0.10	3.000	0	109	78.8	124			
Surr: 4-Bron	nofluorobenzene	1.1		1.000		107	80	120			
Sample ID	1504766-002AMS	Samp	уре: МЅ	3	Tes	Code: El	PA Method	8021B: Vola	tiles		
Client ID:	BH-5 4 Feet	Batcl	h ID: 18	764	R	tunNo: 2	5643				
Prep Date:	4/20/2015	Analysis [Date: 4/	21/2015	8	SeqNo: 7	60221	Units: mg/k	(g		
Analyte		Result	PQL		SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		0.81	0.24	0.9588	0.02827	82.0	69.2	126			
Toluene		0.94	0.24	0.9588	0.1639	80.7	65.6	128			
Ethylbenzene		1.3	0.24	0.9588	0.3319	98.7	65.5	138			
Xylenes, Total		6.2	0.48	2.876	2.883	114	63	139			
Surr: 4-Bror	nofluorobenzene	5.3		4.794		111	80	120			
Sample ID	1504766-002AMSI	D Samp	Гуре: М	SD	Tes	tCode: E	PA Method	8021B: Vola	tiles		
Client ID:	BH-5 4 Feet	Batc	h ID: 18	764	F	RunNo: 2	5643				
Prep Date:	4/20/2015	Analysis [Date: 4/	21/2015	5	SeqNo: 7	60222	Units: mg/k	〈 g		
Analyte		Result	PQL		SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		1.0	0.24	0.9560	0.02827	105	69.2	126	23.2	18.5	R
Toluene		1.1	0.24	0.9560	0.1639	100	65.6	128	18.0	20.6	
Ethylbenzene		1.3	0.24	0.9560	0.3319	105	65.5	138	4.22	20.1	
Xylenes, Tota		5.6	0.48	2.868	2.883	94.5	63	139	9.90	21.1	

Qualifiers:

Value exceeds Maximum Contaminant Level.

5.2

4.780

Value above quantitation range E

Surr: 4-Bromofluorobenzene

- Analyte detected below quantitation limits J
- 0 RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- Spike Recovery outside accepted recovery limits
- Analyte detected in the associated Method Blank

80

- Н Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit ND

109

- Sample pH Not In Range Reporting Detection Limit RL

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0

0

120

Hall Environmental Analysis Laboratory, Inc.

WO#:

1504766

23-Apr-15

Client:

LTE

Project:

San Juan 28-6 #149M

Sample ID MB-18803

SampType: MBLK

TestCode: EPA Method 8021B: Volatiles

Client ID:

Batch ID: 18803

RunNo: 25665

Analysis Date: 4/22/2015

SeqNo: 761191

Units: %REC

4/21/2015

120

Analyte

SPK value

PQL

PQL

SPK Ref Val

SPK value SPK Ref Val %REC

%REC LowLimit HighLimit

RPDLimit

Surr: 4-Bromofluorobenzene

Prep Date:

Result 0.92

1.000

92.1

80

%RPD

Qual

Sample ID LCS-18803

SampType: LCS

TestCode: EPA Method 8021B: Volatiles RunNo: 25665

Client ID: LCSS Prep Date: 4/21/2015

Batch ID: 18803 Analysis Date: 4/22/2015

SeqNo: 761192

Units: %REC

Qual

Result

1.000

100

80

HighLimit

%RPD

Surr: 4-Bromofluorobenzene

RPDLimit

1.0

120

Qualifiers:

Value exceeds Maximum Contaminant Level.

Spike Recovery outside accepted recovery limits

E Value above quantitation range

Analyte detected below quantitation limits

RSD is greater than RSDlimit 0

RPD outside accepted recovery limits R

Analyte detected in the associated Method Blank

Н Holding times for preparation or analysis exceeded Not Detected at the Reporting Limit ND

P Sample pH Not In Range

Reporting Detection Limit RL

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