

September 18, 2017

#5E25941-BG11

NMOCD District II Mike Bratcher 811 S. First St. Artesia, NM 88210

SUBJECT: SOIL REMEDIATION CLOSURE REPORT FOR THE INCIDENT AT THE BEESON STATION RELEASE, EDDY COUNTY, NEW MEXICO

Dear Mr. Bratcher,

On behalf of Holly Energy Partners (Holly), Souder, Miller & Associates (SMA) has prepared this CLOSURE REPORT that describes the assessment, initial delineation and remediation for a release associated with the Beeson Station. The site is in UNIT C, SECTION 3, TOWNSHIP 18S, RANGE 30E, NMPM, Eddy County, New Mexico, on State land. Figure 1 illustrates the vicinity and location of the site.

	Table 1, below,	summarizes i	information	regarding	the release.
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Table 1: Release information and Site Ranking				
Name	Beeson Station			
Company	Holly Energy Partners			
RP Number	2RP-4352			
API Number	fJMW1329537876			
Location	32.782336°, -103.96058 °			
Estimated Date of Release	8/8/2017			
Date Reported to NMOCD	8/21/2017			
Land Owner	Federal			
Reported To	Crystal Weaver			
Source of Release	Sump			
Released Material	Crude Oil			
Released Volume	16.5			
Recovered Volume	3 bbl			
Net Release	13.5 bbl			
Nearest Waterway	22 miles from Pecos River			
Depth to Groundwater	Estimated to be greater than 100'			
Nearest Domestic Water Source	Greater than 1,000 feet			
NMOCD Ranking	0			
SMA Response Dates	Initial: 8/31/2017			

1.0 Background

A valve which led to a sump was left open at the Beeson pump station. This resulted in a small release at the valve location and a larger spill where the sump overfilled. The total amount of crude oil released was 16.5 barrels (bbls), 3 bbls of which were collected by vacuum truck. The impacted gravel was collected onto a lined surface and the weed cloth barrier that existed underneath the gravel was cut and hauled off. The surface impact near the sump is approximately 80 feet long by 25 feet wide.

2.0 Site Ranking and Land Jurisdiction

The release site is located approximately 22 miles east of the Pecos River, with an elevation of approximately 3,530 feet above sea level. SMA searched the New Mexico State Engineer's Office (NMOSE) online water well database for water wells in the vicinity of the release. There were no wells within a 3-mile radius and one well just outside the radius. This well (RA 11914) was installed for soil contamination delineation. After evaluation of the site using aerial photography and topographic maps, depth to groundwater is estimated to be greater than 100 feet below ground surface (bgs).

Recommended Remediation Action Levels (RRALs) are determined by the site ranking according to the NMOCD *Guidelines for Remediation of Leaks, Spills, and Releases* (1993). Below in Table 2 are the remediation standards and the site ranking for this location. Justification for this site ranking is found in Figure 1 and Appendix B.

Table 2.			
Soil Remediation Standards	0 to 9	10 to 19	>19
Benzene	10 PPM	10 PPM	10 PPM
BTEX	50 PPM	50 PPM	50 PPM
ТРН	5000 PPM	1000 PPM	100 PPM

Depth to Groundwater	NMOCD Numeric Rank
< 50 BGS = 20	
50' to 99' = 10	
>100' = 0	0
Distance to Nearest Surface Water	NMOCD Numeric Rank
< 200' = 20	
200' - 1000' = 10	
>1000' = 0	0
Well Head Protection	NMOCD Numeric Rank
<1000' (or <200' domestic) = 20	
> 1000' = 0	0
Total Site Ranking	0

3.0 Release Characterization

On August 31, 2017 after receiving 811 clearance, SMA field personnel assessed the release area. Soil samples were field-screened using an PID meter. Several sample locations were collected to a

Beeson Station September 18, 2017

maximum depth of 0.8 feet bgs Samples were collected to characterize and delineate the release. All samples were collected and processed according to NMOCD soil sampling procedures. The samples were sent under chain-of-custody protocols to Hall Environmental Analysis Laboratory for analyses including chlorides by Method 300.0, volatile organics (BTEX) by Method 8021B, and MRO, DRO, and GRO by EPA Method 8015D. Sample locations are depicted on Figure 2. All field screening and laboratory results are summarized in Table 3. Laboratory reports are included in Appendix C.

The entire area was carefully scraped and excavated by hand as part of initial actions. It is believed that this action, plus the existence of the weed cloth under the gravel, sufficiently remediated the release and prevented further downward migration of contaminants. The entire area was scraped to 0.5 feet, with isolated pooling areas excavated an additional 3 inches. Sample locations L1, L2, and L3 are located at the pooling areas from the sump overflow, while sample points L4 and L5 represent the valve release point at the pump.

4.0 Soil Remediation

With approval from area utilities owners via 811, SMA excavated the affected soils by hand. The area excavated is shown in Figure 2, and is listed in Table 3. Excavation occurred to depths of approximately 0.8 feet bgs. SMA continuously guided the excavation activities by collecting soil samples for field screening with a calibrated PID. According to the results of the laboratory confirmation samples, all remaining soil is below NMOCD RRALs. Approximately 20 cubic yards of contaminated soil were removed and placed on a liner. The contaminated soil will be transported for proper disposal at an NMOCD permitted disposal facility. SMA recommends no further action at the Beeson Station release site.

5.0 Scope and Limitations

The scope of our services consisted of the performance of assessment sampling, verification of release stabilization, remediation, closure sample collection, regulatory liaison, and preparation of this closure report. All work has been performed in accordance with generally accepted professional environmental consulting practices for oil and gas releases in the Permian Basin in New Mexico.

If there are any questions regarding this report, please contact either Austin Weyant at 575-689-8801 or Shawna Chubbuck at 505-325-7535.

Submitted by: SOUDER, MILLER & ASSOCIATES

Reviewed by:

str Merant

Austin Weyant Project Scientist

hauna Chubbuck

Shawna Chubbuck Senior Scientist

Figures:

Figure 1: Vicinity and Well Head Protection Map Figure 2: Site and Sample Location Map

Tables:

Table 3: Summary of Sample Results

Appendices:

Appendix A: Form C141 Initial and Final Appendix B: NMOSE Wells Report Appendix C: Laboratory Analytical Reports

FIGURE 1 VICINITY AND NMOSE DATA MAP

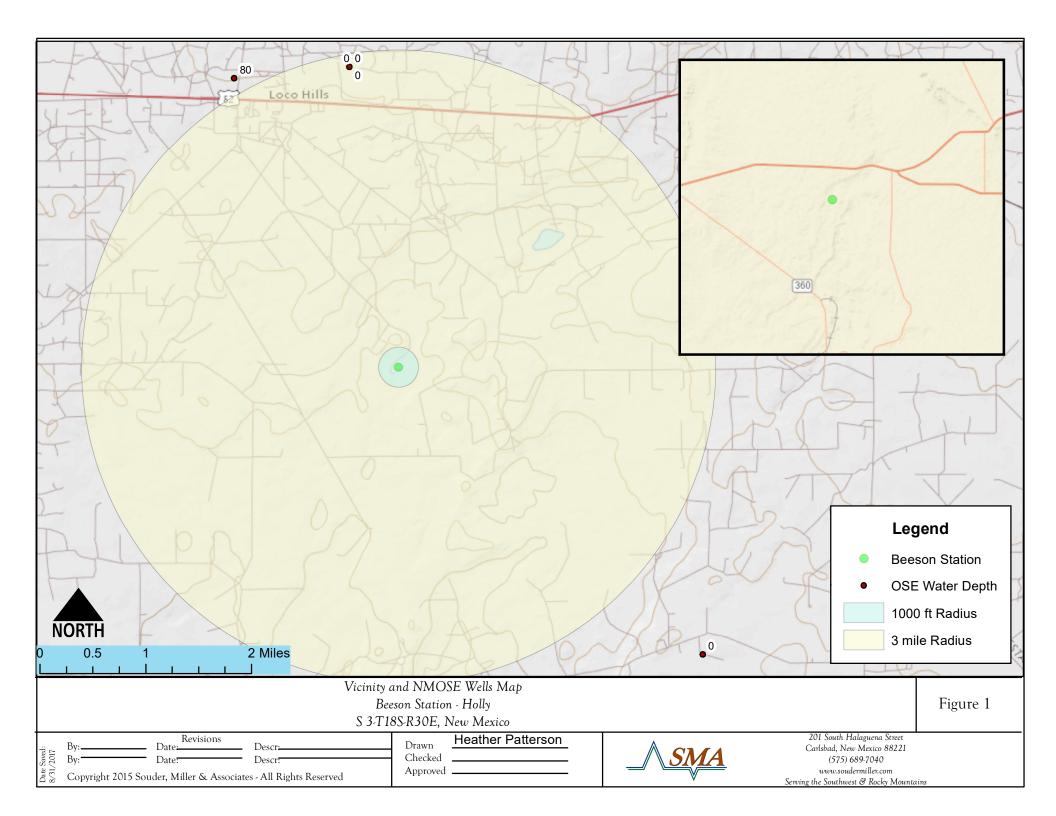


FIGURE 2 SITE AND SAMPLE LOCATION MAP

	Pump L5 L4 Sump L1		
the particular	TO DE TRANSPORT	and the second s	1 Carrie
NORTH 0 25 50 100 Feet			Legend • Sample points — Pipelines — Excavation
	Site and Sample Location Map Beeson Station - Holly S 3-T18S-R30E, New Mexico		Figure 2
By: Date: Descr:	Drawn Heather Patterson Checked Approved	Carisba	uth Halaguena Street d, New Mexico 88221 575) 689-7040 v.soudermiller.com uthwest & Rocky Mountains

TABLE 3 SUMMARY SAMPLE RESULTS

Beeson Station

Sample				BTEX	Benzene	GRO	DRO	MRO	Total TPH	PID	CI-
Number on Figure 2	Sample Date	Depth (feet bgs)	Proposed Action	ppm	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	Field Screens (ppm)	Laboratory mg/Kg
1	NMOCD RRAL's f	or Site Rankin	g 0	50 mg/Kg	10 mg/Kg				5000 mg/Kg		
L1	8/31/2017	0.5	excavated							156	
LI	8/31/2017	0.8	in-situ	<0.094	<0.023	8.3	270	120	398.3	52	<30
L2	8/31/2017	0.5	in-situ	<0.091	<0.023	<4.6	44	<48	44	58	
L3	8/31/2017	0.5	in-situ	<0.095	<0.024	<4.8	41	63	104	72	
L4	8/31/2017	0.5	excavated							128	
L4	8/31/2017	0.8	in-situ	<0.092	<0.023	<4.6	290	200	490	48	
L5	8/31/2017	0.5	excavated							137	
LJ	8/31/2017	0.8	in-situ	<0.096	<0.024	<4.8	890	540	1430	32	
BG	8/31/2017	0.5	in-situ								<30
SP	8/31/2017	comp	haul	<0.10	<0.025	31	9200	5100	14331		

Table 3.

"--" = Not Analyzed

APPENDIX A FORM C141 INITIAL AND FINAL

District I 1625 N. French Dr., Hobbs, NM 88240 District II 8115 First St. Astoric, NM 88210		New Mexico and Natural Resources	AUG 21 2017 Form C-141 Revised August 8, 2011
811 S. First St., Artesia, NM 88210 <u>District III</u> 1000 Rio Brazos Road, Aztec, NM 87410 <u>District IV</u> 1220 S. St. Francis Dr., Santa Fe, NM 87505	1220 South	vation Division St. Francis Dr. , NM 87505	SRECEIVED appropriate District Office in accordance with 19.15.29 NMAC.
FJMW 1329537876 Rel			ction
NAB1723349152		OPERATOR	🛛 Initial Report 🗌 Final Repor
Name of Company HOLLY ENERGY PA	RTNERS 242439	Contact MELANIE NOLA	
Address 1602 W. MAIN, ARTESIA NM Facility Name LOVINGTON REFINERY	/	Telephone No. 214-605-8 Facility Type BEESON P	
Surface Owner BLM	Unif 1 Mineral Owner		API No.
		N OF RELEASE	h
Unit Letter Section Township Range		South Line Feet from the	East/West Line County
<u>C</u> <u>3</u> <u>18S</u> <u>30E</u>			LEA Edaly
32 782336		Longitude103.573793	103.96058
Type of Release	NATURE	OF RELEASE Volume of Release	Volume Recovered
Crude Oil		16.5 Barrels	3 Barrels
Source of Release Overfill of Sump		Date and Hour of Occurren 8/8/2017	ce Date and Hour of Discovery 8/8/2017 1223
Was Immediate Notice Given?	No 🛛 Not Required	If YES, To Whom?	BEING A REGULATED LINE
By Whom?		Date and Hour	
CODY ALLEN - HEP Was a Watercourse Reached?		8/8/2017 1634 If YES, Volume Impacting	the Waterpourse
Yes	🛛 No	N/A	the watercourse.
If a Watercourse was Impacted, Describe Fully	*		
N/A			
	d by a behavior based incid /alve was closed and no fur 3 barrels of crude. The su- to plastic. No further actio	ther problems were present. rface consisted of gravel and n taken until Souder, Miller &	Associates conduct their site assessment and
Associates.	•		
regulations all operators are required to report public health or the environment. The accepta	and/or file certain release n nce of a C-141 report by th ly investigate and remediat	otifications and perform corre e NMOCD marked as "Final e contamination that pose a th	understand that pursuant to NMOCD rules and ective actions for releases which may endanger Report" does not relieve the operator of liability ureat to ground water, surface water, human health f responsibility for compliance with any other
-		<u>OIL CON</u>	ISERVATION DIVISION
Signature: Melanee	Jolan		all s
Printed Name: MELANIE NOLAN		Approved by Envirchigened	BRECHARSH 14 DEMERSILEM
Title: ENVIRONMENTAL SPECIALIST I		Approval Date: DRIII	Expiration Date:
E-mail Address: MELANIE.ISENBERG@HO		Conditions of Approval:	Attached Attached
Date: 8/21/17 Phone: * Attach Additional Sheets If Necessary	575-748-8972		FACAL OKP-9006
Anach Augunonai Sheets II Metessal y	400atod r	-	

NM OIL CONSERVATION ARTESIA DISTRICT

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Operator/Responsible Party,

It is the Division's obligation under both the Oil & Gas Act and Water Quality Act to provide for the protection of public health and the environment. Our regulations (19.15.29.11 NMAC) state the following,

The responsible person shall complete <u>division-approved corrective action</u> for releases that endanger public health or the environment. The responsible person shall address releases in accordance with a remediation plan submitted to and approved by the division or with an abatement plan submitted in accordance with 19.15.30 NMAC. [emphasis added]

Release characterization is the first phase of corrective action unless the release is ongoing or is of limited volume and all impacts can be immediately addressed. Proper and cost-effective remediation typically cannot occur without adequate characterization of the impacts of any release. Furthermore, the Division has the ability to impose reasonable conditions upon the efforts it oversees. As such, the Division is requiring a workplan for the characterization of impacts associated with this release be submitted to the OCD District $\frac{2}{2}$ office in <u>ARTESIA</u> on or before $\frac{9/21/2017}{2}$. If and when the release characterization workplan is approved, there will be an associated deadline for submittal of the resultant investigation report. Modest extensions of time to these deadlines may be granted, but only with acceptable justification.

The goals of a characterization effort are: 1) determination of the lateral and vertical extents along with the magnitude of soil contamination. 2) determine if groundwater or surface waters have been impacted. 3) If groundwater or surface waters have been impacted, what are the extents and magnitude of that impact. 4) The characterization of any other adverse impacts that may have occurred (examples: impacts on vegetation, impacts on wildlife, air quality, loss of use of property, etc.). To meet these goals as quickly as possible, the following items must, at a minimum, be addressed in the release characterization workplan and subsequent reporting:

• Horizontal delineation of soil impacts in each of the four cardinal compass directions. Adsorbed soil contamination must be characterized for the following constituents using the associated laboratory methods: benzene, toluene, ethylbenzene, and total xylenes by either Method 8260 or 8021, total petroleum hydrocarbons by Method 8015 extended range (GRO+DRO+MRO; C₆ thru C₃₆), and for chloride by Method 300. This is not an exclusive list of potential contaminants. Analyzed parameters should be modified based on the nature of the released substance(s). Soil sampling must be both within the impacted area and beyond.

• Vertical delineation of soil impacts. Adsorbed soil contamination must be characterized for the following constituents using the associated laboratory methods: benzene, toluene, ethylbenzene, and total xylenes by either Method 8260 or 8021, total petroleum hydrocarbons by Method 8015 extended range (GRO+DRO+MRO; C₆ thru C₃₆), and for chloride by Method 300. As above, this is not an exclusive list of potential contaminants and can be modified. Vertical characterization samples should be taken at depth intervals no greater than five feet apart. Lithologic description of encountered soils must also be provided. At least ten vertical feet of soils with contaminant concentrations at or below these values must be demonstrated as existing above the water table.

• Nominal detection limits for field and laboratory analyses must be provided.

• Composite sampling is not generally allowed.

• Field screening and assessment techniques are acceptable (headspace, titration, EC [include algorithm for validation purposes], EM, etc.), but the sampling and assay procedures must be clearly defined. Copies of field notes are highly desirable. A statistically significant set of split samples must be submitted for confirmatory laboratory analysis, including the laterally farthest and vertically deepest sets of soil samples. Make sure there are at least two soil samples submitted

for laboratory analysis from each borehole or test pit (highest observed contamination and deepest depth investigated). Copies of the actual laboratory results must be provided including chain of custody documentation.

•Probable depth to shallowest protectable groundwater and lateral distance to nearest surface water. If there is an estimate of groundwater depth, the information used to arrive at that estimate must be provided. If there is a reasonable assumption that the depth to protectable water is 50 feet or less, the responsible party should anticipate the need for at least one groundwater monitoring well to be installed in the area of likely maximum contamination.

• If groundwater contamination is encountered, an additional investigation workplan may be required to determine the extents of that contamination. Groundwater and/or surface water samples, if any, must be analyzed by a competent laboratory for volatile organic hydrocarbons (typically Method 8260 full list), total dissolved solids, pH, major anions and cations including chloride and sulfate, dissolved iron, and dissolved manganese. The investigation workplan must provide the groundwater sampling method(s) and sample handling protocols. To the fullest extent possible, aqueous analyses must be undertaken using nominal method detection limits. As with the soil analyses, copies of the actual laboratory results must be provided including chain of custody documentation.

• Accurately scaled and well-drafted site maps must be provided providing the location of borings, test pits, monitoring wells, potentially impacted areas, and significant surface features including roads and site infrastructure that might limit either the release characterization or remedial efforts. Field sketches may be included in subsequent reporting, but should not be considered stand-alone documentation of the site's layout. Digital photographic documentation of the location and fieldwork is recommended, especially if unusual circumstances are encountered.

Nothing herein should be interpreted to preclude emergency response actions or to imply immediate remediation by removal cannot proceed as warranted. Nonetheless, characterization of impacts and confirmation of the effectiveness of remedial efforts must still be provided to the OCD before any release incident will be closed.

Jim Griswold OCD Environmental Bureau Chief 1220 South St. Francis Drive Santa Fe, New Mexico 87505 505-476-3465 jim.griswold@state.nm.us

APPENDIX B NMOSE WELLS REPORT



UTM in meter	rs)	(1	In feet)	
ΥD	Distance		-	Water Column
2002 🌍	5088	85	80	Ę
Average	Depth to V	Water:	80	feet
Ν	Minimum E	Depth:	80	feet
N	Maximum E	Depth:	80	feet
				•

Record Count: 1

UTMNAD83 Radius Search (in meters):

Easting (X): 597335.34

Northing (Y): 3627589.67

Radius: 6000

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

New Mexico Office of the State Engineer Transaction Summary

		EXPL Pern	nit To Explo	re	
saction Number:	522948	Transaction Des	c: RA-119	14 EXPL	File Date: 02/22/20
Primary Status:	PMT Per	mit			
Secondary Status:	LOG We	ll Log Received			
Person Assigned:	*****	-			
Agent:	LINN ENE	RGY			
Contact:	OSCAR FR	AYRE			
x Events					
Date	Туре	Description		Comment	Processed By
02/22/20	13 APP	Application Recei	ved	*	******
02/25/20	13 FTN	Finalize non-publi	shed Trans.		*****
04/09/2013 LOG		Well Log Received		*	*****
07/08/20	13 QAT	Quality Assurance	e Completed	DATA	*****
07/08/20		Quality Assurance	e Completed	DATA	****
WR File Nbr	Acr	es Diversion	Consumpt	ive Purpose of Use	
RA 11914		0 0		EXP EXPLOR	ATION
**Point of Div	ersion				
RA 11914 P		594801	3632002		

Remarks

"EXPLORATORY WELL FOR DELENATION OF SOIL CONTAMINATION; SOIL SAMPLES WILL BE COLLECTED AND TESTED FOR ANALYTICAL STUDIES"

Conditions

- 1A Depth of the well shall not exceed the thickness of the valley fill.
- 4 No water shall be appropriated and beneficially used under this permit.
- B The well shall be drilled by a driller licensed in the State of New Mexico in accordance with Section 72-12-12 New Mexico Statutes Annotated.
- 7 The Permittee shall utilize the highest and best technology available to ensure conservation of water to the maximum extent practical.
- C Driller's well record must be filed with the State Engineer within 20 days after the well is drilled or driven. Well record forms will be provided by the State Engineer upon request.
- C2 No water shall be diverted from this well except for testing purposes which shall not exceed twenty (20) cumulative days, and well shall be plugged or capped on or before, unless a permit to use water from this well is acquired from the Office of the State Engineer.
- P The well shall be constructed, maintained, and operated to prevent inter-aquifer exchange of water and to prevent loss of hydraulic head between geologic zones.

9/11/2017 nmwrrs.ose.state.nm.us/nmwrrs/ReportDispatcher?type=TRANSHTML&name=TransactionSummaryHTML.jrxml&basin=RA&nbr=11914&suffix=...

** See Image For Any Additional Conditions of Approval **

Approval Code:A - ApprovedAction Date:02/25/2013Log Due Date:02/28/2014State Engineer:Scott A. Verhines, P.

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

9/11/17 1:01 PM

TRANSACTION SUMMARY

APPENDIX C LABORATORY ANALYTICAL REPORTS



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

September 14, 2017

Austin Weyant Souder, Miller & Associates 201 S Halagueno Carlsbad, NM 88221 TEL: (575) 689-7040 FAX

OrderNo.: 1709271

RE: Beeson HEP

Dear Austin Weyant:

Hall Environmental Analysis Laboratory received 7 sample(s) on 9/6/2017 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 <u>www.hallenvironmental.com</u> 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,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Analytical Report Lab Order 1709271 Date Reported: 9/14/2017

Hall Environmental Analysi	is Laborat	Date Reported: 9/14/2017					
CLIENT: Souder, Miller & Associates			Client Samp	le ID: BG			
Project: Beeson HEP			Collection 1	Date: 8/31/2017 9:30:00 AM			
Lab ID: 1709271-001	Matrix: S	SOIL	Received	Date: 9/6/2017 11:15:00 AM			
Analyses	Result	PQL Qu	al Units	DF Date Analyzed Batch			
EPA METHOD 300.0: ANIONS				Analyst: MRA			
Chloride	ND	30	mg/Kg	20 9/13/2017 3:28:52 PM 33825			

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

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits Page 1 of 11
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 9/14/2017

CLIENT: Souder, Miller & Associates			Cl	ient Sampl	e ID: SP		
Project: Beeson HEP			(Collection I	Date: 8/3	1/2017 9:00:00 AM	
Lab ID: 1709271-002	Matrix:	SOIL		Received l	Date: 9/6	/2017 11:15:00 AM	
Analyses	Result	PQL Q	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D MOD: GASOLINE	RANGE					Analys	t: DJF
Gasoline Range Organics (GRO)	31	5.0		mg/Kg	1	9/8/2017 7:14:37 PM	33745
Surr: BFB	99.9	70-130		%Rec	1	9/8/2017 7:14:37 PM	33745
EPA METHOD 8015M/D: DIESEL RANG	E ORGANICS	6				Analys	t: TOM
Diesel Range Organics (DRO)	9200	95		mg/Kg	10	9/8/2017 9:44:08 AM	33747
Motor Oil Range Organics (MRO)	5100	470		mg/Kg	10	9/8/2017 9:44:08 AM	33747
Surr: DNOP	0	70-130	S	%Rec	10	9/8/2017 9:44:08 AM	33747
EPA METHOD 8260B: VOLATILES SHO	RT LIST					Analys	t: DJF
Methyl tert-butyl ether (MTBE)	ND	0.050		mg/Kg	1	9/8/2017 7:14:37 PM	33745
Benzene	ND	0.025		mg/Kg	1	9/8/2017 7:14:37 PM	33745
Toluene	ND	0.050		mg/Kg	1	9/8/2017 7:14:37 PM	33745
Ethylbenzene	ND	0.050		mg/Kg	1	9/8/2017 7:14:37 PM	33745
Xylenes, Total	0.40	0.10		mg/Kg	1	9/8/2017 7:14:37 PM	33745
Surr: 1,2-Dichloroethane-d4	124	70-130		%Rec	1	9/8/2017 7:14:37 PM	33745
Surr: 4-Bromofluorobenzene	99.3	70-130		%Rec	1	9/8/2017 7:14:37 PM	33745
Surr: Dibromofluoromethane	120	70-130		%Rec	1	9/8/2017 7:14:37 PM	33745
Surr: Toluene-d8	93.7	70-130		%Rec	1	9/8/2017 7:14:37 PM	33745

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

- * Value exceeds Maximum Contaminant Level. Sample Diluted Due to Matrix D
- Н
- Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S
- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- Analyte detected below quantitation limits Page 2 of 11 J
- Р Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

Lab Order 1709271 Date Reported: 9/14/2017

CLIENT: Souder, Miller & Associates			Client Sampl	e ID: L1	-0.8	
Project: Beeson HEP			Collection I	Date: 8/3	1/2017 8:00:00 AM	
Lab ID: 1709271-003	Matrix:	SOIL	Received I	Date: 9/6	5/2017 11:15:00 AM	
Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	MRA
Chloride	ND	30	mg/Kg	20	9/13/2017 4:06:06 PM	33825
EPA METHOD 8015D MOD: GASOLINE	RANGE				Analyst	DJF
Gasoline Range Organics (GRO)	8.3	4.7	mg/Kg	1	9/8/2017 7:43:18 PM	33745
Surr: BFB	97.5	70-130	%Rec	1	9/8/2017 7:43:18 PM	33745
EPA METHOD 8015M/D: DIESEL RANG	E ORGANICS	5			Analyst	том
Diesel Range Organics (DRO)	270	10	mg/Kg	1	9/8/2017 10:33:21 AM	33747
Motor Oil Range Organics (MRO)	120	50	mg/Kg	1	9/8/2017 10:33:21 AM	33747
Surr: DNOP	112	70-130	%Rec	1	9/8/2017 10:33:21 AM	33747
EPA METHOD 8260B: VOLATILES SHO	RT LIST				Analyst	DJF
Methyl tert-butyl ether (MTBE)	ND	0.047	mg/Kg	1	9/8/2017 7:43:18 PM	33745
Benzene	ND	0.023	mg/Kg	1	9/8/2017 7:43:18 PM	33745
Toluene	ND	0.047	mg/Kg	1	9/8/2017 7:43:18 PM	33745
Ethylbenzene	ND	0.047	mg/Kg	1	9/8/2017 7:43:18 PM	33745
Xylenes, Total	ND	0.094	mg/Kg	1	9/8/2017 7:43:18 PM	33745
Surr: 1,2-Dichloroethane-d4	125	70-130	%Rec	1	9/8/2017 7:43:18 PM	33745
Surr: 4-Bromofluorobenzene	92.4	70-130	%Rec	1	9/8/2017 7:43:18 PM	33745
Surr: Dibromofluoromethane	122	70-130	%Rec	1	9/8/2017 7:43:18 PM	33745
Surr: Toluene-d8	96.5	70-130	%Rec	1	9/8/2017 7:43:18 PM	33745

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

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits Page 3 of 11
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 9/14/2017

CLIENT: Souder, Miller & Associates		0	Client Sampl	e ID: L2	-0.5	
Project: Beeson HEP			Collection I	Date: 8/3	31/2017 8:15:00 AM	
Lab ID: 1709271-004	Matrix:	SOIL	Received l	Date: 9/6	5/2017 11:15:00 AM	
Analyses	Result	PQL Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D MOD: GASOLINE	RANGE				Analys	t: DJF
Gasoline Range Organics (GRO)	ND	4.6	mg/Kg	1	9/8/2017 8:11:57 PM	33745
Surr: BFB	93.3	70-130	%Rec	1	9/8/2017 8:11:57 PM	33745
EPA METHOD 8015M/D: DIESEL RANG		6			Analys	t: TOM
Diesel Range Organics (DRO)	44	9.6	mg/Kg	1	9/8/2017 1:01:53 PM	33747
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	9/8/2017 1:01:53 PM	33747
Surr: DNOP	99.9	70-130	%Rec	1	9/8/2017 1:01:53 PM	33747
EPA METHOD 8260B: VOLATILES SHO	ORT LIST				Analys	t: DJF
Methyl tert-butyl ether (MTBE)	ND	0.046	mg/Kg	1	9/8/2017 8:11:57 PM	33745
Benzene	ND	0.023	mg/Kg	1	9/8/2017 8:11:57 PM	33745
Toluene	ND	0.046	mg/Kg	1	9/8/2017 8:11:57 PM	33745
Ethylbenzene	ND	0.046	mg/Kg	1	9/8/2017 8:11:57 PM	33745
Xylenes, Total	ND	0.091	mg/Kg	1	9/8/2017 8:11:57 PM	33745
Surr: 1,2-Dichloroethane-d4	120	70-130	%Rec	1	9/8/2017 8:11:57 PM	33745
Surr: 4-Bromofluorobenzene	91.0	70-130	%Rec	1	9/8/2017 8:11:57 PM	33745
Surr: Dibromofluoromethane	116	70-130	%Rec	1	9/8/2017 8:11:57 PM	33745
Surr: Toluene-d8	96.7	70-130	%Rec	1	9/8/2017 8:11:57 PM	33745

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

Qualifiers:

*

- Value exceeds Maximum Contaminant Level. Sample Diluted Due to Matrix D
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S
- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- Analyte detected below quantitation limits Page 4 of 11 J
- Р Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

Lab Order 1/092/1 Date Reported: 9/14/2017

CLIENT: Souder, Miller & Associates		C	lient Sampl	l e ID: L3	-0.5	
Project: Beeson HEP			_		31/2017 8:20:00 AM	
Lab ID: 1709271-005	Matrix:	SOIL	Received	Date: 9/6	5/2017 11:15:00 AM	
Analyses	Result	PQL Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D MOD: GASOLINE	RANGE				Analys	t: DJF
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	9/8/2017 8:40:33 PM	33745
Surr: BFB	92.1	70-130	%Rec	1	9/8/2017 8:40:33 PM	33745
EPA METHOD 8015M/D: DIESEL RANG	E ORGANICS	5			Analys	t: TOM
Diesel Range Organics (DRO)	41	9.7	mg/Kg	1	9/8/2017 1:26:52 PM	33747
Motor Oil Range Organics (MRO)	63	48	mg/Kg	1	9/8/2017 1:26:52 PM	33747
Surr: DNOP	101	70-130	%Rec	1	9/8/2017 1:26:52 PM	33747
EPA METHOD 8260B: VOLATILES SHO	RT LIST				Analys	t: DJF
Methyl tert-butyl ether (MTBE)	ND	0.048	mg/Kg	1	9/8/2017 8:40:33 PM	33745
Benzene	ND	0.024	mg/Kg	1	9/8/2017 8:40:33 PM	33745
Toluene	ND	0.048	mg/Kg	1	9/8/2017 8:40:33 PM	33745
Ethylbenzene	ND	0.048	mg/Kg	1	9/8/2017 8:40:33 PM	33745
Xylenes, Total	ND	0.095	mg/Kg	1	9/8/2017 8:40:33 PM	33745
Surr: 1,2-Dichloroethane-d4	122	70-130	%Rec	1	9/8/2017 8:40:33 PM	33745
Surr: 4-Bromofluorobenzene	86.8	70-130	%Rec	1	9/8/2017 8:40:33 PM	33745
Surr: Dibromofluoromethane	118	70-130	%Rec	1	9/8/2017 8:40:33 PM	33745
Surr: Toluene-d8	97.7	70-130	%Rec	1	9/8/2017 8:40:33 PM	33745

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

- * Value exceeds Maximum Contaminant Level.D Sample Diluted Due to Matrix
- D Sample Diluted Due to Maurx
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits Page 5 of 11
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 9/14/2017

CLIENT: Souder, Miller & Associates		(lient Sampl	le ID: L4	-0.8	
Project: Beeson HEP			Collection 1	Date: 8/3	31/2017 8:25:00 AM	
Lab ID: 1709271-006	Matrix:	SOIL	Received	Date: 9/6	5/2017 11:15:00 AM	
Analyses	Result	PQL Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D MOD: GASOLINE	RANGE				Analyst	DJF
Gasoline Range Organics (GRO)	ND	4.6	mg/Kg	1	9/8/2017 11:03:32 PM	33745
Surr: BFB	88.9	70-130	%Rec	1	9/8/2017 11:03:32 PM	33745
EPA METHOD 8015M/D: DIESEL RANG	E ORGANICS	6			Analyst	ТОМ
Diesel Range Organics (DRO)	290	10	mg/Kg	1	9/8/2017 11:47:38 AM	33747
Motor Oil Range Organics (MRO)	200	50	mg/Kg	1	9/8/2017 11:47:38 AM	33747
Surr: DNOP	105	70-130	%Rec	1	9/8/2017 11:47:38 AM	33747
EPA METHOD 8260B: VOLATILES SHO	RT LIST				Analyst	DJF
Methyl tert-butyl ether (MTBE)	ND	0.046	mg/Kg	1	9/8/2017 11:03:32 PM	33745
Benzene	ND	0.023	mg/Kg	1	9/8/2017 11:03:32 PM	33745
Toluene	ND	0.046	mg/Kg	1	9/8/2017 11:03:32 PM	33745
Ethylbenzene	ND	0.046	mg/Kg	1	9/8/2017 11:03:32 PM	33745
Xylenes, Total	ND	0.092	mg/Kg	1	9/8/2017 11:03:32 PM	33745
Surr: 1,2-Dichloroethane-d4	125	70-130	%Rec	1	9/8/2017 11:03:32 PM	33745
Surr: 4-Bromofluorobenzene	86.5	70-130	%Rec	1	9/8/2017 11:03:32 PM	33745
Surr: Dibromofluoromethane	122	70-130	%Rec	1	9/8/2017 11:03:32 PM	33745
Surr: Toluene-d8	98.2	70-130	%Rec	1	9/8/2017 11:03:32 PM	33745

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

- * Value exceeds Maximum Contaminant Level.D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits Page 6 of 11
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 9/14/2017

CLIENT: Souder, Miller & Associates		0	lient Sampl	e ID: L5-	-0.8	
Project: Beeson HEP			Collection I	Date: 8/3	1/2017 8:30:00 AM	
Lab ID: 1709271-007	Matrix:	SOIL	Received l	Date: 9/6	/2017 11:15:00 AM	
Analyses	Result	PQL Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D MOD: GASOLINE	RANGE				Analyst	DJF
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	9/8/2017 11:32:15 PM	33745
Surr: BFB	93.7	70-130	%Rec	1	9/8/2017 11:32:15 PM	33745
EPA METHOD 8015M/D: DIESEL RANG		5			Analyst	TOM
Diesel Range Organics (DRO)	890	97	mg/Kg	10	9/8/2017 1:51:47 PM	33747
Motor Oil Range Organics (MRO)	540	490	mg/Kg	10	9/8/2017 1:51:47 PM	33747
Surr: DNOP	0	70-130 S	%Rec	10	9/8/2017 1:51:47 PM	33747
EPA METHOD 8260B: VOLATILES SHO	RT LIST				Analyst	DJF
Methyl tert-butyl ether (MTBE)	ND	0.048	mg/Kg	1	9/8/2017 11:32:15 PM	33745
Benzene	ND	0.024	mg/Kg	1	9/8/2017 11:32:15 PM	33745
Toluene	ND	0.048	mg/Kg	1	9/8/2017 11:32:15 PM	33745
Ethylbenzene	ND	0.048	mg/Kg	1	9/8/2017 11:32:15 PM	33745
Xylenes, Total	ND	0.096	mg/Kg	1	9/8/2017 11:32:15 PM	33745
Surr: 1,2-Dichloroethane-d4	130	70-130	%Rec	1	9/8/2017 11:32:15 PM	33745
Surr: 4-Bromofluorobenzene	90.8	70-130	%Rec	1	9/8/2017 11:32:15 PM	33745
Surr: Dibromofluoromethane	128	70-130	%Rec	1	9/8/2017 11:32:15 PM	33745
Surr: Toluene-d8	96.4	70-130	%Rec	1	9/8/2017 11:32:15 PM	33745

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

- * Value exceeds Maximum Contaminant Level. Sample Diluted Due to Matrix D
- Н
- Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S
- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- Analyte detected below quantitation limits Page 7 of 11 J
- Р Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Client: Project:		er, Miller & As on HEP	sociate	es							
Sample ID	MB-33825	SampTy	pe: m l	olk	Tes	tCode: EF	PA Method	300.0: Anion	s		
Client ID:	PBS	Batch	ID: 33	825	F	RunNo: 4	5622				
Prep Date:	9/12/2017	Analysis Da	ate: 9/	13/2017	S	SeqNo: 14	447246	Units: mg/k	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		ND	1.5								
Sample ID	LCS-33825	SampTy	pe: Ics	5	Tes	tCode: EF	PA Method	300.0: Anion	s		
Client ID:	LCSS	Batch	ID: 33	825	F	RunNo: 4	5622				
Prep Date:	9/12/2017	Analysis Da	ate: 9/	13/2017	S	SeqNo: 14	447247	Units: mg/K	ģ		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		14	1.5	15.00	0	91.6	90	110			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

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Client: Souder Project: Beeson	r, Miller & A n HEP	ssociate	es							
Sample ID MB-33747	SampT	Гуре: МЕ	BLK	Tes	tCode: El	PA Method	8015M/D: Di	esel Rang	e Organics	
Client ID: PBS	Batcl	h ID: 33	747	R	unNo: 4	5495				
Prep Date: 9/7/2017	Analysis D	Date: 9/	8/2017	S	eqNo: 14	442120	Units: mg/k	٢g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.8		10.00		98.3	70	130			
Sample ID LCS-33747	SampT	Type: LC	S	Tes	tCode: El	PA Method	8015M/D: Di	esel Rang	e Organics	
Client ID: LCSS	Batcl	h ID: 33	747	R	unNo: 4	5495				
Prep Date: 9/7/2017	Analysis E	Date: 9/	8/2017	S	eqNo: 14	442271	Units: mg/k	٢g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	48	10	50.00	0	96.6	73.2	114			
Surr: DNOP	4.5		5.000		89.7	70	130			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

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WO#:	1709271
	14-Sep-17

Client: Souder Project: Beeson	, Miller & A HEP	ssociate	es							
Sample ID mb-33745	Samp	Гуре: МЕ	BLK	Tes	tCode: El	PA Method	8260B: Volat	iles Short	List	
Client ID: PBS	Batc	h ID: 33	745	R	unNo: 4	5532				
Prep Date: 9/7/2017	Analysis [Date: 9/	8/2017	S	SeqNo: 1	443300	Units: mg/k	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	ND	0.050								
Benzene	ND	0.025								
Foluene	ND	0.050								
Ethylbenzene	ND	0.050								
Kylenes, Total	ND	0.10								
Surr: 1,2-Dichloroethane-d4	0.65		0.5000		130	70	130			
Surr: 4-Bromofluorobenzene	0.42		0.5000		84.4	70	130			
Surr: Dibromofluoromethane	0.62		0.5000		124	70	130			
Surr: Toluene-d8	0.49		0.5000		97.2	70	130			
Sample ID Ics-33745	Samp	Гуре: LC	s	Tes	tCode: El	PA Method	8260B: Volat	iles Short	List	
Client ID: LCSS	Batc	h ID: 33	745	R	RunNo: 4	5532				
Prep Date: 9/7/2017	Analysis E	Date: 9/	8/2017	S	SeqNo: 1	443301	Units: mg/K	ģ		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.2	0.025	1.000	0	117	70	130			
Foluene	0.89	0.050	1.000	0	89.2	70	130			
Surr: 1,2-Dichloroethane-d4	0.62		0.5000		124	70	130			
Surr: 4-Bromofluorobenzene	0.44		0.5000		88.4	70	130			
Surr: Dibromofluoromethane	0.56		0.5000		112	70	130			
Surr: Toluene-d8	0.48		0.5000		95.2	70	130			

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified
- Page 10 of 11

Client: Project:	Souder, Beeson	Miller & A HEP	ssociate	es							
Sample ID n	nb-33745	SampT	ype: ME	BLK	Tes	tCode: El	PA Method	8015D Mod:	Gasoline	Range	
Client ID: F	PBS	Batch	n ID: 33	745	F	RunNo: 4	5532				
Prep Date:	9/7/2017	Analysis D	ate: 9/	8/2017	S	SeqNo: 1	443325	Units: mg/H	٤g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Surr: BFB	Organics (GRO)	ND 430	5.0	500.0		86.2	70	130			
Sample ID	cs-33745	SampT	ype: LC	S	Tes	tCode: El	PA Method	8015D Mod:	Gasoline	Range	
Client ID: L	CSS	Batch	n ID: 33	745	F	RunNo: 4	5532				
Prep Date:	9/7/2017	Analysis D	ate: 9/	8/2017	S	SeqNo: 1	443326	Units: mg/ #	ζg		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Surr: BFB	Organics (GRO)	24 450	5.0	25.00 500.0	0	97.5 90.0	70 70	130 130			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

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HALL ENVIRONMENTAL ANALYSIS LABORATORY	Hall Environmental Albu Albu TEL: 505-345-3975 A Website: www.hal	4901 Hawkins) querque, NM 871 FAX: 505-345-41	NE 109 Sam 107	ple Log-In Cł	neck List
Client Name: SMA-CARLSBAD	Work Order Number:	1709271		RcptNo:	1
Received By: Richie Eriacho 9	/6/2017 11:15:00 AM		12-2	-	
Completed By: Ashley Gallegos 9.	/6/2017 6:05:43 PM		A		
Reviewed By: Mr 1 AIT			U U		
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			
<u>Log In</u>					
4. Was an attempt made to cool the samples?		Yes 🗹	No 🗌		
5. Were all samples received at a temperature of		Yes 📋	No 🗹		
	Samples were	e collected the		l chilled.	
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 🗹	· · · ·	······································
			_	# of preserved bottles checked	
12. Does paperwork match bottle labels? (Note discrepancies on chain of custody)		Yes 🗹	No 🗔	for pH:	>12 unless note
13. Are matrices correctly identified on Chain of Cu	istody?	Yes 🔽	No 🗔	Adjusted?	<12 unless note
14, is it clear what analyses were requested?		Yes 🗹		·	
15. Were all holding times able to be met?		Yes 🗹		Checked by:	
(If no, notify customer for authorization.)			į		
Special Handling (if applicable)					
16. Was client notified of all discrepancies with this	s order?	Yes 🗌	No 🗌	NA 🗹	
Person Notified:	Date				
By Whom:	Via:	eMail 🗌 Ph	none 🗌 Fax	In Person	
Regarding:				an a	
Client Instructions:					
17. Additional remarks:					
18. <u>Cooler Information</u> Cooler No Temp ℃ Condition Seat 1 4.7 Good Not Pr		eal Date	Signed By		
	Cociii		I		

Client:									1			ļ					
	A BOD	@ SIMA	A	D Standard	d D Rush									5		AALL ENVIKONMENTAL ANALYSTS LABODATODY	Į Ś
				Project Name:					-		hallor				Ż,		KI
Mailing	Mailing Address:			Beeson	on (the	(A		4901	4901 Hawkins NF	N sui	5 1		PLUID	NM	Albuquerque NM 87109		
				Project #:			-	Tel	Tel. 505-345-3975	15-39		Fax	Eax 505-345-4107	45.4	107		
Phone #:	#:										Ana	Analysis Request	Requ	lest			1.2.2.
email (email or Fax#:			Project Manager	ager:		_	_	10		-	(*			_		
QA/QC Packa	QA/QC Package:		Level 4 (Full Validation)	Aus	5	weyant.					(SWI	0S,409	PCB's				
Accred	Accreditation	Č		Sampler: じょう	AW						S 02	' ^z ON	2808			_	
	AP	□ Other	er	On Ice:	X Yes	oN ⊕	_		_			-	8/\$		(\		
	C EDD (Type)			Sample Temperature:	perature: 1. 3	t	_				_			_	00	-	
Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	(Spinsor)	TEX + MT	TEX + X3T 88108 HG	odfeM) Ho	orteM) 80	90168) a'HA 9M 8 AAC)∃) enoir	oiteeq 180	/OV) 803	ime2) 071		selddu8 1
chizido	9:30	Soil.	BG	1007.		100-		_	_	_	_		_		70		
	gu-	_	SP SP	-		- 002	×	×			-			+	_		
	Baun		N -0.8			-003	×	×			2	×		-			
	Sim		12-0.5			- 004	~	×			-		\vdash	-			
	5:20m		13-0.5			- 205	×	X			-						
	0:25-		L4 -0.8	-		400-	×	×					\vdash	\vdash			
-)	8. 20m	->	15-0.8	->		-00-	×	×									
											_				_		
Date:	Time:	Relinquiste	A PA	Received by:	1	aller Time	Remarks:	irks:				1					1
Date:	Time:	Relinquished by	ed by:	Received by:		Date Time											