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

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised April 3, 2017

Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company: BIYA Operators, Inc.	Contact: Jubal Terry
Address: 1789 W. Littleton Blvd., Littleton CO 80120	Telephone No. (303) 797-5417
Facility Name: Ute #2	Facility Type: Oil Well

Surface Owner: Ute Mountain Ute Tribe	Mineral Owner: Ute Mountain Ute Tribe	API No. 30-045-10463

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
O	23	31N	16W		660 FSL		1980 FEL	San Juan County

Latitude 36.881058 Longitude -108.491549 NAD83

NATURE OF RELEASE

Type of Release: Oil	Volume of Release	Volume Recovered
Source of Release Flow Line	Date and Hour of Occurrence Unknown	Date and Hour of Discovery Unknown
Was Immediate Notice Given? ☐ Yes ☒ No ☐ Not Required	If YES, To Whom?	
By Whom?	Date and Hour	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse. Unknown	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*
An unreported release from the flowline from the previous operator. From Google earth it appears the release began 8/2009. All loose contaminated soils have been removed; the stained sandstone has been repeatedly washed. However staining remains.

Describe Area Affected and Cleanup Action Taken.*
The release occurred in an unnamed natural tributary of the Eagles Nest Arroyo that flows during seasonal storm events. Area of impact has been excavated to sandstone. All contaminated soils have been removed and taken to an offsite land farm. Cores were taken to determine the depth of contamination. The flow was flushed and removed. A work plan was submitted and approved by the BLM with input from the Ute Mountain Ute Tribe and the BIA and implemented. Pending approval for closure sampling.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature: Jubal S. Terry	OIL CONSERVATION DIVISION
Printed Name:: Jubal S. Terry	Approved by Environmental Specialist:
Title: V.P. Exploration	Approval Date: 9/13/17 Expiration Date:
E-mail Address: jterry@diversifiedresourcesinc.com	Conditions of Approval: see attahced Attached ☒
Date: 7/27/2017 Phone: (303) 797-5417	

* Attach Additional Sheets If Necessary

NCS1725638225

Operator/Responsible Party,

7/27/17

The OCD has received the form C-141 you provided on _ regarding an unauthorized release. The information contained on that form has been entered into our incident database and remediation case number _____has been assigned. **Please refer to this case number in all future correspondence.** NCS1725638225

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 division-approved corrective action 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 III office in Aztec on or before** n/a **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; C_6 thru C_{36}), 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; C_6 thru C_{36}), 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

SOIL REMEDIATION WORK PLAN

FOR

BIYA OPERATORS, INC.

HICKS #2 LINE LEAK

SECTION 23, T31N R16W, NMPM
SAN JUAN COUNTY, NM

Prepared for:
BIYA Operators, Inc.
1789 West Littleton Blvd.
Littleton, CO 80120

Prepared by:
Souder, Miller & Associates
401 W Broadway
Farmington, NM 87401
505-325-7535

May 17, 2017
SMA Reference
5124920 BG9

Souder, Miller & Associates
Engineering ♦ Environmental ♦ Surveying
401 W. Broadway ♦ Farmington, NM 87401
(505) 325-7535 ♦ fax (505) 326-0045 ♦ www.soudermiller.com

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1.0 Introduction

Souder, Miller & Associates (SMA) is pleased to submit this work plan for excavation and remediation at the BIYA Operators, Inc., Hicks #2 Line Leak release site. The site is located in Unit O (SW ¼ SE ¼), Section 23, Township 31 North, Range 16 West; GPS: 36.881443°, -108.493920°, in San Juan County, New Mexico on Ute Mountain Ute Tribal lands within the jurisdiction of the Bureau of Land Management (BLM).

2.0 Site Ranking and Land Jurisdiction

The Hicks #2 Line Leak release is located on Ute Mountain Ute tribal land with an elevation of approximately 5,619 feet above sea level. After evaluation of the site using aerial photography and topographic maps and review of ground water information provided by Colin Larrick, Water Quality Program Manager, Ute Mountain Ute Tribe, depth to groundwater is estimated to be less than 50 feet below ground surface (bgs).

SMA searched the New Mexico State Engineer's Office online water well database for water wells in the vicinity of the release. No wells are located within a 1000 foot radius of the site. The physical location of this release is within the jurisdiction of Ute Mountain Ute tribal land.

This release location has been assigned soil remediation standards of 10 parts per million (ppm) benzene, 50 ppm combined benzene, toluene, ethyl-benzene, and total xylenes (BTEX), and 100 ppm total petroleum hydrocarbons (TPH). Remediation standards have been assigned by Scott Clow, Ute Mountain Ute Tribe Environmental Programs Director, and are contingent upon BLM approval.

3.0 Assessment and Initial Results

On October 18, 2016 SMA personnel guided Mo-Te Drilling, Inc. onsite utilizing a drill rig to collect soil boring samples. Sample locations are noted on Figure 1, Site Details and Sample Location Map. All samples were collected and processed per New Mexico Oil Conservation Division (NMOCD) soil sampling procedures. The laboratory samples were sent under chain-of-custody protocols to Hall Environmental Analysis Laboratory for analysis for Benzene and Total BTEX using EPA Method 8021B, DRO and GRO by EPA Method 8015D, and total Chlorides using EPA Method 300.0.

The results allowed vertical and lateral delineation of impacted soils. Delineation results indicated that affected soil is present at three (3) feet bgs at SB-1 and at one (1) foot bgs at SB-2. A summary of the laboratory reports can be found in the attached Table 1.

4.0 Soil Remediation Work Plan

Collin Larrick, Ute Mountain Ute Tribe, will review submitted remediation and reclamation plans and advise accordingly. On April 18, 2017, Curtis Pattillo, SMA Project Scientist submitted a Pre-Construction Notification (PCN) for Army Corps of Engineers (ACOE) Nation Wide Permit (NWP) #38 to Mr. Larrick for Tribal review. On April 24, 2017 SMA received a request for additional information from Mr. Larrick regarding the submitted NWP #38. SMA is currently working to address this request. Upon receiving approval from the BLM and Mr. Larrick, SMA will submit the PCN for NWP #38 on behalf of BIYA to the ACOE.

Upon approval from the BLM, Ute Mountain Ute Tribe, and ACOE, BIYA Operators, Inc. will guide excavation activities in the currently excavated area at the pipeline release site, removing hydrocarbon impacted soil and rock until no visual staining and odor is present or sandstone is reached. Affected soils will be removed from this area before discreet closure samples are collected at the final depth of excavation and sidewalls at which time SMA will be contacted to conduct discreet closure sampling. BLM and/or Ute Mountain Ute Tribe representatives will be notified to witness collection of discreet samples.

Excavated material spoils are to be placed on a 40 mill plastic liner and within a bermed area at a BLM approved location for temporary storage. Berms will be constructed using BLM Gold Book Standards for containment structures. All excavated material is to be transported for disposal at a BLM approved facility within 10 days of excavation commencing. BLM Gold Book Standards will be applied to areas that require storm water management.

If impacted sandstone is identified during excavation activities to the south of the pipeline release not identified as part of the natural drainage area, SMA recommends the use of a bentonite geosynthetic clay liner, such as or similar to BENTOMAT, engineered liners. An SMA engineer will review data based on the extent of the final excavation to determine the product type and thickness of bentonite liner required for the site. BLM will be provided product type and thickness requirements for BLM approval prior to installation. Bentonite geosynthetic clay liner is not to be applied to the exposed sandstone surface that is considered surface area of the natural drainage.

The soil boring investigation conducted on October 18, 2016 delineated the vertical extent of hydrocarbon impact of the sandstone in the natural drainage in the area of SB-1 and SB-2 as identified in Figure 1. SMA recommends minimizing further impact to surrounding vegetation and bank stabilization in the natural drainage by removing impacted soils via nonmechanical hand tools. Impacted vegetation will be sprayed with a biodegradable soap solution such as or similar to Dr. Bronner's Castile or Dawn soap. SMA also recommends third party semi-annual monitoring of the natural drainage. Monitoring will provide a minimal impact means of determining if the hydrocarbon stained surface in the natural drainage is traveling down gradient via storm water runoff. Semi-annual monitoring is to occur after spring time runoff and in the fall following the monsoon season, and will occur at the same GPS located spot estimated in Figure 1. Monitoring will include visual observation monitoring and if present, documentation of impacted soils and vegetation. In the area where runoff pools in the natural drainage, identified in Figure 1, visual observation for the presence of a sheen will be documented and photographed. If a sheen is observed, a grab sample of fluid will be collected and analyzed for Total BTEX using EPA Method 8021B, DRO and GRO by EPA Method 8015D, and total Chlorides using EPA Method 300.0. Semi-annual discreet soil sampling of an established down gradient sample site, such as the one proposed in Figure 1, would be analyzed for Total BTEX using EPA Method 8021B, DRO and GRO by EPA Method 8015D, and total Chlorides using EPA Method 300.0. A summary of findings, photo documentation, and laboratory reports will be submitted to the BLM and Ute Mountain Ute Tribe within 30 days of the monitoring event occurring. Semi-annual monitoring is to occur for two years for a total of four (4) monitoring events. Based on the monitoring events, recommendations for cessation or continuation of monitoring will be submitted via third party to the BLM and Ute Mountain Ute Tribe for approval.

5.0 Conclusions and Recommendations

This site has been assigned soil remediation standards of: 10 ppm (mg/kg) Benzene, 50 ppm total BTEX, and 100 ppm TPH.

Upon approval of the soil remediation work plan by the BLM and completion of excavation activities, SMA will conduct closure confirmation sampling for the excavated area associated with the pipeline release site. BIYA will provide laboratory report information to the BLM and Ute

Mountain Ute Tribe. Upon approval of remediation completion by BLM, a work plan for reclamation will be submitted to the BLM for approval. If further excavation is required, the BLM and Ute Mountain Ute Tribe will be provided an updated work plan detailing additional excavation and remediation activities.

If there are any questions regarding this report, please contact either Ashley Maxwell or Shawna Chubbuck at 505-325-7535.

Submitted by:

SOUDER, MILLER & ASSOCIATES

Ashley Maxwell
Staff Scientist

Reviewed by:

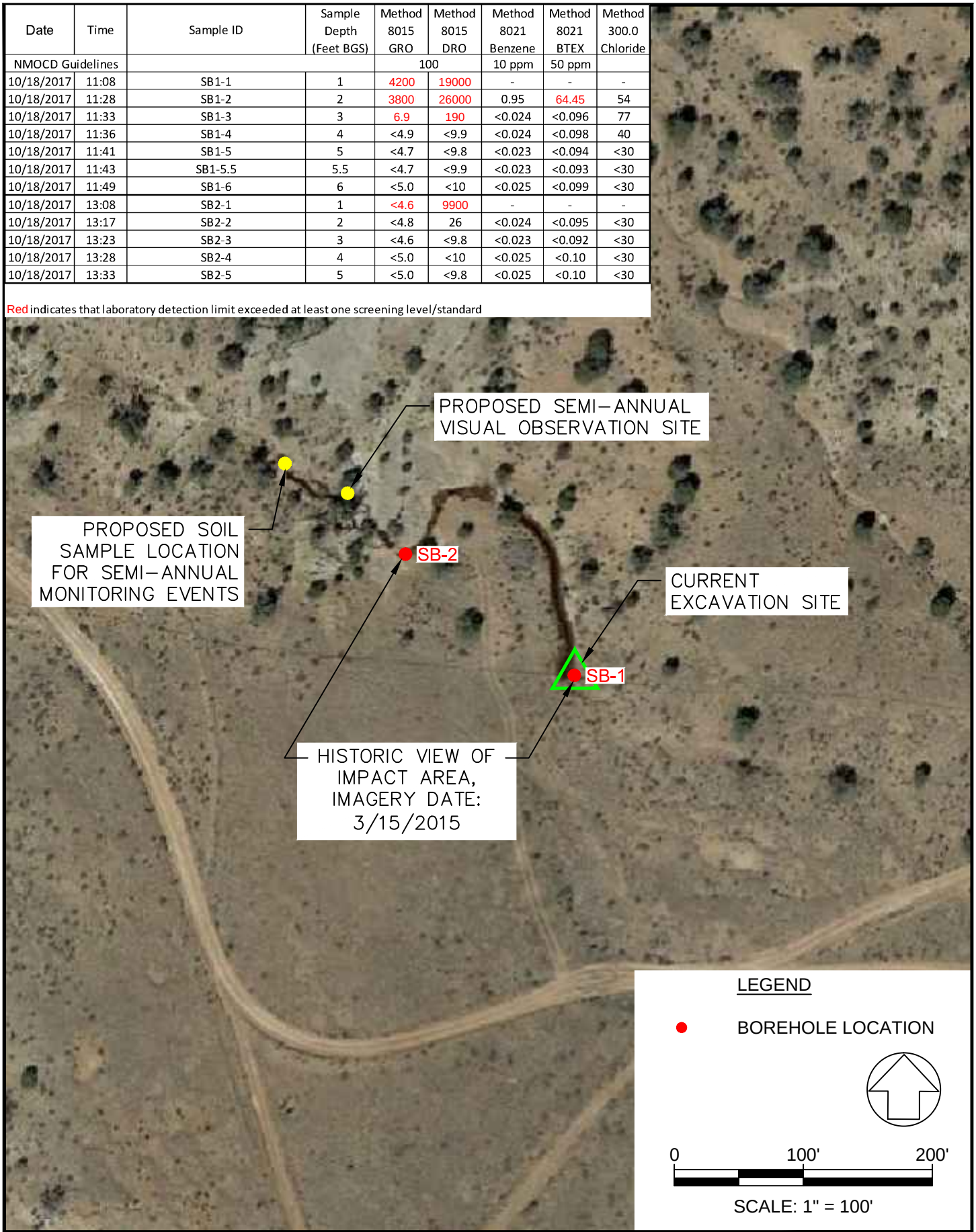
Shawna Chubbuck
Senior Scientist

FIGURE 1

SITE MAP

Date	Time	Sample ID	Sample Depth (Feet BGS)	Method 8015 GRO	Method 8015 DRO	Method 8021 Benzene	Method 8021 BTEX	Method 300.0 Chloride
NMOCD Guidelines				100		10 ppm	50 ppm	
10/18/2017	11:08	SB1-1	1	4200	19000	-	-	-
10/18/2017	11:28	SB1-2	2	3800	26000	0.95	64.45	54
10/18/2017	11:33	SB1-3	3	6.9	190	<0.024	<0.096	77
10/18/2017	11:36	SB1-4	4	<4.9	<9.9	<0.024	<0.098	40
10/18/2017	11:41	SB1-5	5	<4.7	<9.8	<0.023	<0.094	<30
10/18/2017	11:43	SB1-5.5	5.5	<4.7	<9.9	<0.023	<0.093	<30
10/18/2017	11:49	SB1-6	6	<5.0	<10	<0.025	<0.099	<30
10/18/2017	13:08	SB2-1	1	<4.6	9900	-	-	-
10/18/2017	13:17	SB2-2	2	<4.8	26	<0.024	<0.095	<30
10/18/2017	13:23	SB2-3	3	<4.6	<9.8	<0.023	<0.092	<30
10/18/2017	13:28	SB2-4	4	<5.0	<10	<0.025	<0.10	<30
10/18/2017	13:33	SB2-5	5	<5.0	<9.8	<0.025	<0.10	<30

Red indicates that laboratory detection limit exceeded at least one screening level/standard



SOUDER, MILLER & ASSOCIATES
SMA
Engineering Environmental Surveying
401 West Broadway Avenue
Farmington, NM 87401-5907
Phone (505) 325-7535 Toll-Free (800) 519-0098 Fax (505) 326-0045
Serving the Southwest & Rocky Mountains
www.soudermiller.com

BIYA — WATERFLOW, NEW MEXICO

SITE MAP
HICKS #2 LINE LEAK

Designed	Drawn	Checked
SH	DJB	RA

Date: May 2017
Scale: Horiz: 1" = 100' Vert: NA
Project No: 5124920
FIGURE 1

P:\5-BIYA Soil Sampling 5124920\CAD\Civil\5124920 BIYA Soil Bore.dwg, DJB, 5/17/2017 3:36 PM

TABLE 1

SUMMARY OF LABORATORY ANALYSES

Hicks #2 Line Leak
Summary of Laboratory Analysis
Results in mg/Kg

Date	Time	Sample ID	Sample Depth (Feet BGS)	Method 8015 GRO	Method 8015 DRO	Method 8021 Benzene	Method 8021 BTEX	Method 300.0 Chlorides
NMOCD Guidelines				100		10 ppm	50 ppm	
10/18/2017	11:08	SB1-1	1	4200	19000	-	-	-
10/18/2017	11:28	SB1-2	2	3800	26000	0.95	64.45	54
10/18/2017	11:33	SB1-3	3	6.9	190	<0.024	<0.096	77
10/18/2017	11:36	SB1-4	4	<4.9	<9.9	<0.024	<0.098	40
10/18/2017	11:41	SB1-5	5	<4.7	<9.8	<0.023	<0.094	<30
10/18/2017	11:43	SB1-5.5	5.5	<4.7	<9.9	<0.023	<0.093	<30
10/18/2017	11:49	SB1-6	6	<5.0	<10	<0.025	<0.099	<30
10/18/2017	13:08	SB2-1	1	<4.6	9900	-	-	-
10/18/2017	13:17	SB2-2	2	<4.8	26	<0.024	<0.095	<30
10/18/2017	13:23	SB2-3	3	<4.6	<9.8	<0.023	<0.092	<30
10/18/2017	13:28	SB2-4	4	<5.0	<10	<0.025	<0.10	<30
10/18/2017	13:33	SB2-5	5	<5.0	<9.8	<0.025	<0.10	<30

Red indicates that laboratory detection limit exceeded at least one screening level/standard

APPENDIX A

LABORATORY ANALYTICAL REPORTS

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

November 03, 2016

Ashley Maxwell

Souder, Miller and Associates
401 W. Broadway
Farmington, NM 87401
TEL: (505) 325-5667
FAX (505) 327-1496

RE: Hicks #2 Line Leak OrderNo.: 1610995

Dear Ashley Maxwell:

Hall Environmental Analysis Laboratory received 7 sample(s) on 10/20/2016 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
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **1610995**
Date Reported: **11/3/2016**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller and Associates
Client Sample ID: SB1-1
Project: Hicks #2 Line Leak
Collection Date: 10/18/2016 11:08:00 AM
Lab ID: 1610995-001
Matrix: SOIL
Received Date: 10/20/2016 8:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	19000	960		mg/Kg	100	10/25/2016 12:44:21 PM	28237
Surr: DNOP	0	70-130	S	%Rec	100	10/25/2016 12:44:21 PM	28237
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	4200	240		mg/Kg	50	10/24/2016 11:58:33 AM	28196
Surr: BFB	381	68.3-144	S	%Rec	50	10/24/2016 11:58:33 AM	28196

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller and Associates
Client Sample ID: SB1-2
Project: Hicks #2 Line Leak
Collection Date: 10/18/2016 11:28:00 AM
Lab ID: 1610995-002
Matrix: SOIL
Received Date: 10/20/2016 8:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Chloride	54	30		mg/Kg	20	10/31/2016 10:41:47 AM	28379
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	26000	980		mg/Kg	100	10/25/2016 1:11:53 PM	28237
Surr: DNOP	0	70-130	S	%Rec	100	10/25/2016 1:11:53 PM	28237
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	3800	93		mg/Kg	20	10/21/2016 5:05:42 PM	28196
Surr: BFB	735	68.3-144	S	%Rec	20	10/21/2016 5:05:42 PM	28196
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	0.95	0.47		mg/Kg	20	10/21/2016 5:05:42 PM	28196
Toluene	8.1	0.93		mg/Kg	20	10/21/2016 5:05:42 PM	28196
Ethylbenzene	9.4	0.93		mg/Kg	20	10/21/2016 5:05:42 PM	28196
Xylenes, Total	46	1.9		mg/Kg	20	10/21/2016 5:05:42 PM	28196
Surr: 4-Bromofluorobenzene	155	80-120	S	%Rec	20	10/21/2016 5:05:42 PM	28196

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller and Associates
Client Sample ID: SB1-3
Project: Hicks #2 Line Leak
Collection Date: 10/18/2016 11:33:00 AM
Lab ID: 1610995-003
Matrix: SOIL
Received Date: 10/20/2016 8:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Chloride	77	30		mg/Kg	20	10/31/2016 11:19:01 AM	28379
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	190	9.8		mg/Kg	1	10/25/2016 1:39:35 PM	28237
Surr: DNOP	91.0	70-130		%Rec	1	10/25/2016 1:39:35 PM	28237
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	6.9	4.8		mg/Kg	1	10/24/2016 12:21:58 PM	28196
Surr: BFB	128	68.3-144		%Rec	1	10/24/2016 12:21:58 PM	28196
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.024		mg/Kg	1	10/24/2016 12:21:58 PM	28196
Toluene	ND	0.048		mg/Kg	1	10/24/2016 12:21:58 PM	28196
Ethylbenzene	ND	0.048		mg/Kg	1	10/24/2016 12:21:58 PM	28196
Xylenes, Total	ND	0.096		mg/Kg	1	10/24/2016 12:21:58 PM	28196
Surr: 4-Bromofluorobenzene	106	80-120		%Rec	1	10/24/2016 12:21:58 PM	28196

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller and Associates
Client Sample ID: SB1-4
Project: Hicks #2 Line Leak
Collection Date: 10/18/2016 11:36:00 AM
Lab ID: 1610995-004
Matrix: SOIL
Received Date: 10/20/2016 8:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Chloride	40	30		mg/Kg	20	10/31/2016 11:31:26 AM	28379
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	10/25/2016 2:07:41 PM	28237
Surr: DNOP	93.0	70-130		%Rec	1	10/25/2016 2:07:41 PM	28237
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/24/2016 12:45:19 PM	28196
Surr: BFB	84.0	68.3-144		%Rec	1	10/24/2016 12:45:19 PM	28196
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.024		mg/Kg	1	10/24/2016 12:45:19 PM	28196
Toluene	ND	0.049		mg/Kg	1	10/24/2016 12:45:19 PM	28196
Ethylbenzene	ND	0.049		mg/Kg	1	10/24/2016 12:45:19 PM	28196
Xylenes, Total	ND	0.098		mg/Kg	1	10/24/2016 12:45:19 PM	28196
Surr: 4-Bromofluorobenzene	98.2	80-120		%Rec	1	10/24/2016 12:45:19 PM	28196

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller and Associates
Client Sample ID: SB1-5
Project: Hicks #2 Line Leak
Collection Date: 10/18/2016 11:41:00 AM
Lab ID: 1610995-005 **Matrix:** SOIL **Received Date:** 10/20/2016 8:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Chloride	ND	30		mg/Kg	20	10/31/2016 11:43:50 AM	28379
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	10/25/2016 2:35:25 PM	28237
Surr: DNOP	87.2	70-130		%Rec	1	10/25/2016 2:35:25 PM	28237
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/21/2016 6:15:50 PM	28196
Surr: BFB	89.0	68.3-144		%Rec	1	10/21/2016 6:15:50 PM	28196
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.023		mg/Kg	1	10/21/2016 6:15:50 PM	28196
Toluene	ND	0.047		mg/Kg	1	10/21/2016 6:15:50 PM	28196
Ethylbenzene	ND	0.047		mg/Kg	1	10/21/2016 6:15:50 PM	28196
Xylenes, Total	ND	0.094		mg/Kg	1	10/21/2016 6:15:50 PM	28196
Surr: 4-Bromofluorobenzene	99.9	80-120		%Rec	1	10/21/2016 6:15:50 PM	28196

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller and Associates
Client Sample ID: SB1-5.5
Project: Hicks #2 Line Leak
Collection Date: 10/18/2016 11:43:00 AM
Lab ID: 1610995-006 **Matrix:** SOIL **Received Date:** 10/20/2016 8:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Chloride	ND	30		mg/Kg	20	10/31/2016 11:56:15 AM	28379
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	10/25/2016 3:02:53 PM	28237
Surr: DNOP	77.8	70-130		%Rec	1	10/25/2016 3:02:53 PM	28237
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/21/2016 6:39:17 PM	28196
Surr: BFB	84.0	68.3-144		%Rec	1	10/21/2016 6:39:17 PM	28196
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.023		mg/Kg	1	10/21/2016 6:39:17 PM	28196
Toluene	ND	0.047		mg/Kg	1	10/21/2016 6:39:17 PM	28196
Ethylbenzene	ND	0.047		mg/Kg	1	10/21/2016 6:39:17 PM	28196
Xylenes, Total	ND	0.093		mg/Kg	1	10/21/2016 6:39:17 PM	28196
Surr: 4-Bromofluorobenzene	94.4	80-120		%Rec	1	10/21/2016 6:39:17 PM	28196

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller and Associates
Client Sample ID: SB1-6
Project: Hicks #2 Line Leak
Collection Date: 10/18/2016 11:49:00 AM
Lab ID: 1610995-007
Matrix: SOIL
Received Date: 10/20/2016 8:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Chloride	ND	30		mg/Kg	20	10/31/2016 12:33:29 PM	28379
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	10/25/2016 3:30:23 PM	28237
Surr: DNOP	89.2	70-130		%Rec	1	10/25/2016 3:30:23 PM	28237
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	10/21/2016 7:02:36 PM	28196
Surr: BFB	83.8	68.3-144		%Rec	1	10/21/2016 7:02:36 PM	28196
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.025		mg/Kg	1	10/21/2016 7:02:36 PM	28196
Toluene	ND	0.050		mg/Kg	1	10/21/2016 7:02:36 PM	28196
Ethylbenzene	ND	0.050		mg/Kg	1	10/21/2016 7:02:36 PM	28196
Xylenes, Total	ND	0.099		mg/Kg	1	10/21/2016 7:02:36 PM	28196
Surr: 4-Bromofluorobenzene	93.8	80-120		%Rec	1	10/21/2016 7:02:36 PM	28196

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

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1610995**

03-Nov-16

Client: Souder, Miller and Associates

Project: Hicks #2 Line Leak

Sample ID	**MB-28379**	SampType:	**MBLK**	TestCode:	**EPA Method 300.0: Anions**					
Client ID:	**PBS**	Batch ID:	**28379**	RunNo:	**38358**					
Prep Date:	**10/31/2016**	Analysis Date:	**10/31/2016**	SeqNo:	**1197670**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID	**LCS-28379**	SampType:	**LCS**	TestCode:	**EPA Method 300.0: Anions**					
Client ID:	**LCSS**	Batch ID:	**28379**	RunNo:	**38358**					
Prep Date:	**10/31/2016**	Analysis Date:	**10/31/2016**	SeqNo:	**1197671**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.1	90	110			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1610995**

03-Nov-16

Client: Souder, Miller and Associates

Project: Hicks #2 Line Leak

Sample ID	**LCS-28237**	SampType:	**LCS**		TestCode:	**EPA Method 8015M/D: Diesel Range Organics**					
Client ID:	**LCSS**	Batch ID:	**28237**		RunNo:	**38183**					
Prep Date:	**10/24/2016**	Analysis Date:	**10/25/2016**		SeqNo:	**1191886**	Units:	**mg/Kg**			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)		48	10	50.00	0	95.6	62.6	124			
Surr: DNOP		4.7		5.000		93.3	70	130			

Sample ID	**MB-28237**	SampType:	**MBLK**		TestCode:	**EPA Method 8015M/D: Diesel Range Organics**					
Client ID:	**PBS**	Batch ID:	**28237**		RunNo:	**38183**					
Prep Date:	**10/24/2016**	Analysis Date:	**10/25/2016**		SeqNo:	**1191887**	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		11		10.00		109	70	130			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1610995**

03-Nov-16

Client: Souder, Miller and Associates

Project: Hicks #2 Line Leak

Sample ID	**MB-28196**	SampType:	**MBLK**	TestCode:	**EPA Method 8015D: Gasoline Range**
Client ID:	**PBS**	Batch ID:	**28196**	RunNo:	**38126**
Prep Date:	**10/20/2016**	Analysis Date:	**10/21/2016**	SeqNo:	**1190268** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	850		1000		85.1	68.3	144			

Sample ID	**LCS-28196**	SampType:	**LCS**	TestCode:	**EPA Method 8015D: Gasoline Range**
Client ID:	**LCSS**	Batch ID:	**28196**	RunNo:	**38126**
Prep Date:	**10/20/2016**	Analysis Date:	**10/21/2016**	SeqNo:	**1190269** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	28	5.0	25.00	0	110	74.6	123			
Surr: BFB	920		1000		91.6	68.3	144			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1610995**

03-Nov-16

Client: Souder, Miller and Associates

Project: Hicks #2 Line Leak

Sample ID **MB-28196**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **28196**	RunNo: **38126**
Prep Date: **10/20/2016**	Analysis Date: **10/21/2016**	SeqNo: **1190293** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.98		1.000		98.1	80	120			

Sample ID **LCS-28196**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **28196**	RunNo: **38126**
Prep Date: **10/20/2016**	Analysis Date: **10/21/2016**	SeqNo: **1190294** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.77	0.025	1.000	0	76.6	75.2	115			
Toluene	0.88	0.050	1.000	0	87.7	80.7	112			
Ethylbenzene	0.97	0.050	1.000	0	96.6	78.9	117			
Xylenes, Total	2.9	0.10	3.000	0	95.5	79.2	115			
Surr: 4-Bromofluorobenzene	1.0		1.000		103	80	120			

Qualifiers:

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

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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: SMA-FARM Work Order Number: 1610995 RcptNo: 1

Received by/date: LC 10/20/16

Logged By: **Anne Thorne** 10/20/2016 8:15:00 AM Anne Thorne

Completed By: **Anne Thorne** 10/20/2016 Anne Thorne

Reviewed By: aJ 10/20/16

Chain of Custody

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

Log In

4. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
5. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
6. Sample(s) in proper container(s)?	Yes ☑	No ☐	
7. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
8. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
9. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
10. VOA vials have zero headspace?	Yes ☐	No ☐	No VOA Vials ☑
11. Were any sample containers received broken?	Yes ☐	No ☑	
12. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	# of preserved bottles checked for pH: _____ (<2 or >12 unless noted)
13. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	Adjusted? _____
14. Is it clear what analyses were requested?	Yes ☑	No ☐	
15. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	Checked by: _____

Special Handling (if applicable)

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

Person Notified: _____ Date _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

17. Additional remarks:

18. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.5	Good	Yes			

Chain-of-Custody Record

Client: SMA

Mailing Address: 461 W Broadway
Farmington, NM 87401

Phone #: 505-325-7535

Email or Fax#: Ashley Maxwell

QA/QC Package:
☒ Standard ☐ Level 4 (Full Validation)

Accreditation
☒ NELAP ☐ Other _____

☐ EDD (Type) _____

Turn-Around Time:
☒ Standard ☐ Rush _____

Project Name: Hicks #2 Line Leak

Project #: SB1

Project Manager: Ashley Maxwell

Sampler: APM | LD

On Ice: ☒ Yes ☐ No

Sample Temperature: 1.5

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

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No.
10/18	11:08	Soil	SB1-1	4oz		1610995-001
	11:28		SB1-2			-002
	11:33		SB1-3			-003
	11:36		SB1-4			-004
	11:41		SB1-5			-005
	11:43		SB1-5.5			-006
↓	11:49	↓	SB1-6	↓		-007

Analysis Request

BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH 8015B (GRO / DRO / MRO)	TPH (Method 418.1)	EDB (Method 504.1)	PAH's (8310 or 8270 SIMS)	RCRA 8 Metals	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)					Air Bubbles (Y or N)
See Remarks		X								See Remarks	300.0 Cl				
		X													
		X													
		X													
		X													
		X													
		X													

Add BTEX + chloride to all samples except -1 per Ashley 10/21

Date	Time	Relinquished by:	Received by:	Date	Time
10/19/16	1640		Chantel Walter	10/19/16	1640
10/19/16	1937	Chantel Walter	Lindsey Cortez	10/20/16	0815

Remarks: If GRO/DRO < 100ppm run 8021 BTEX & 300.0 Cl Hold for holding time if further analysis needed.

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

October 28, 2016

Ashley Maxwell

Souder, Miller and Associates
401 W. Broadway
Farmington, NM 87401
TEL: (505) 325-5667
FAX (505) 327-1496

RE: Hicks #2 Line Leak OrderNo.: 1610A10

Dear Ashley Maxwell:

Hall Environmental Analysis Laboratory received 5 sample(s) on 10/20/2016 for the analyses presented in the following report.

This report is a revised report and it replaces the original report issued October 25, 2016.

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. 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. All samples are reported as received unless otherwise indicated.

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

Sincerely,

Andy Freeman

Laboratory Manager

4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **1610A10**
Date Reported: **10/28/2016**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller and Associates
Client Sample ID: SB2-1
Project: Hicks #2 Line Leak
Collection Date: 10/18/2016 1:08:00 PM
Lab ID: 1610A10-001 **Matrix:** SOIL **Received Date:** 10/20/2016 8:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	9900	930		mg/Kg	100	10/24/2016 2:27:24 PM	28212
Surr: DNOP	0	70-130	S	%Rec	100	10/24/2016 2:27:24 PM	28212
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	10/21/2016 8:12:41 PM	28196
Surr: BFB	90.2	68.3-144		%Rec	1	10/21/2016 8:12:41 PM	28196

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller and Associates
Client Sample ID: SB2-2
Project: Hicks #2 Line Leak
Collection Date: 10/18/2016 1:17:00 PM
Lab ID: 1610A10-002
Matrix: SOIL
Received Date: 10/20/2016 8:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Chloride	ND	30		mg/Kg	20	10/27/2016 1:10:30 PM	28324
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	26	9.7		mg/Kg	1	10/24/2016 12:34:13 PM	28212
Surr: DNOP	93.5	70-130		%Rec	1	10/24/2016 12:34:13 PM	28212
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/21/2016 8:35:57 PM	28196
Surr: BFB	84.8	68.3-144		%Rec	1	10/21/2016 8:35:57 PM	28196
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.024		mg/Kg	1	10/21/2016 8:35:57 PM	28196
Toluene	ND	0.048		mg/Kg	1	10/21/2016 8:35:57 PM	28196
Ethylbenzene	ND	0.048		mg/Kg	1	10/21/2016 8:35:57 PM	28196
Xylenes, Total	ND	0.095		mg/Kg	1	10/21/2016 8:35:57 PM	28196
Surr: 4-Bromofluorobenzene	97.4	80-120		%Rec	1	10/21/2016 8:35:57 PM	28196

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller and Associates
Client Sample ID: SB2-3
Project: Hicks #2 Line Leak
Collection Date: 10/18/2016 1:23:00 PM
Lab ID: 1610A10-003
Matrix: SOIL
Received Date: 10/20/2016 8:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Chloride	ND	30		mg/Kg	20	10/27/2016 1:47:43 PM	28324
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	10/24/2016 1:02:03 PM	28212
Surr: DNOP	89.5	70-130		%Rec	1	10/24/2016 1:02:03 PM	28212
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	10/21/2016 9:22:47 PM	28196
Surr: BFB	83.1	68.3-144		%Rec	1	10/21/2016 9:22:47 PM	28196
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.023		mg/Kg	1	10/21/2016 9:22:47 PM	28196
Toluene	ND	0.046		mg/Kg	1	10/21/2016 9:22:47 PM	28196
Ethylbenzene	ND	0.046		mg/Kg	1	10/21/2016 9:22:47 PM	28196
Xylenes, Total	ND	0.092		mg/Kg	1	10/21/2016 9:22:47 PM	28196
Surr: 4-Bromofluorobenzene	93.2	80-120		%Rec	1	10/21/2016 9:22:47 PM	28196

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller and Associates
Client Sample ID: SB2-4
Project: Hicks #2 Line Leak
Collection Date: 10/18/2016 1:28:00 PM
Lab ID: 1610A10-004
Matrix: SOIL
Received Date: 10/20/2016 8:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Chloride	ND	30		mg/Kg	20	10/27/2016 2:00:07 PM	28324
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	10/24/2016 1:30:02 PM	28212
Surr: DNOP	87.9	70-130		%Rec	1	10/24/2016 1:30:02 PM	28212
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	10/21/2016 10:56:43 PM	28196
Surr: BFB	85.8	68.3-144		%Rec	1	10/21/2016 10:56:43 PM	28196
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.025		mg/Kg	1	10/21/2016 10:56:43 PM	28196
Toluene	ND	0.050		mg/Kg	1	10/21/2016 10:56:43 PM	28196
Ethylbenzene	ND	0.050		mg/Kg	1	10/21/2016 10:56:43 PM	28196
Xylenes, Total	ND	0.10		mg/Kg	1	10/21/2016 10:56:43 PM	28196
Surr: 4-Bromofluorobenzene	95.9	80-120		%Rec	1	10/21/2016 10:56:43 PM	28196

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller and Associates
Client Sample ID: SB2-5
Project: Hicks #2 Line Leak
Collection Date: 10/18/2016 1:33:00 PM
Lab ID: 1610A10-005 **Matrix:** SOIL **Received Date:** 10/20/2016 8:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Chloride	ND	30		mg/Kg	20	10/27/2016 2:12:31 PM	28324
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	10/24/2016 1:58:40 PM	28212
Surr: DNOP	85.4	70-130		%Rec	1	10/24/2016 1:58:40 PM	28212
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	10/21/2016 11:20:12 PM	28196
Surr: BFB	84.3	68.3-144		%Rec	1	10/21/2016 11:20:12 PM	28196
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.025		mg/Kg	1	10/21/2016 11:20:12 PM	28196
Toluene	ND	0.050		mg/Kg	1	10/21/2016 11:20:12 PM	28196
Ethylbenzene	ND	0.050		mg/Kg	1	10/21/2016 11:20:12 PM	28196
Xylenes, Total	ND	0.10		mg/Kg	1	10/21/2016 11:20:12 PM	28196
Surr: 4-Bromofluorobenzene	94.8	80-120		%Rec	1	10/21/2016 11:20:12 PM	28196

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

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1610A10**

28-Oct-16

Client: Souder, Miller and Associates

Project: Hicks #2 Line Leak

Sample ID	**MB-28324**	SampType:	**MBLK**	TestCode:	**EPA Method 300.0: Anions**					
Client ID:	**PBS**	Batch ID:	**28324**	RunNo:	**38293**					
Prep Date:	**10/27/2016**	Analysis Date:	**10/27/2016**	SeqNo:	**1194989**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID	**LCS-28324**	SampType:	**LCS**	TestCode:	**EPA Method 300.0: Anions**					
Client ID:	**LCSS**	Batch ID:	**28324**	RunNo:	**38293**					
Prep Date:	**10/27/2016**	Analysis Date:	**10/27/2016**	SeqNo:	**1194990**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	95.4	90	110			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1610A10**

28-Oct-16

Client: Souder, Miller and Associates

Project: Hicks #2 Line Leak

Sample ID	**LCS-28212**	SampType:	**LCS**		TestCode:	**EPA Method 8015M/D: Diesel Range Organics**				
Client ID:	**LCSS**	Batch ID:	**28212**		RunNo:	**38149**				
Prep Date:	**10/21/2016**	Analysis Date:	**10/24/2016**		SeqNo:	**1190787**	Units:	**mg/Kg**		

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	54	10	50.00	0	109	62.6	124			
Surr: DNOP	4.9		5.000		97.9	70	130			

Sample ID	**MB-28212**	SampType:	**MBLK**		TestCode:	**EPA Method 8015M/D: Diesel Range Organics**				
Client ID:	**PBS**	Batch ID:	**28212**		RunNo:	**38149**				
Prep Date:	**10/21/2016**	Analysis Date:	**10/24/2016**		SeqNo:	**1190788**	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	9.7		10.00		97.3	70	130			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1610A10**

28-Oct-16

Client: Souder, Miller and Associates

Project: Hicks #2 Line Leak

Sample ID	**MB-28196**	SampType:	**MBLK**	TestCode:	**EPA Method 8015D: Gasoline Range**
Client ID:	**PBS**	Batch ID:	**28196**	RunNo:	**38126**
Prep Date:	**10/20/2016**	Analysis Date:	**10/21/2016**	SeqNo:	**1190268** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	850		1000		85.1	68.3	144			

Sample ID	**LCS-28196**	SampType:	**LCS**	TestCode:	**EPA Method 8015D: Gasoline Range**
Client ID:	**LCSS**	Batch ID:	**28196**	RunNo:	**38126**
Prep Date:	**10/20/2016**	Analysis Date:	**10/21/2016**	SeqNo:	**1190269** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	28	5.0	25.00	0	110	74.6	123			
Surr: BFB	920		1000		91.6	68.3	144			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1610A10**

28-Oct-16

Client: Souder, Miller and Associates

Project: Hicks #2 Line Leak

Sample ID	**MB-28196**	SampType:	**MBLK**	TestCode:	**EPA Method 8021B: Volatiles**					
Client ID:	**PBS**	Batch ID:	**28196**	RunNo:	**38126**					
Prep Date:	**10/20/2016**	Analysis Date:	**10/21/2016**	SeqNo:	**1190293**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.98		1.000		98.1	80	120			

Sample ID	**LCS-28196**	SampType:	**LCS**	TestCode:	**EPA Method 8021B: Volatiles**					
Client ID:	**LCSS**	Batch ID:	**28196**	RunNo:	**38126**					
Prep Date:	**10/20/2016**	Analysis Date:	**10/21/2016**	SeqNo:	**1190294**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.77	0.025	1.000	0	76.6	75.2	115			
Toluene	0.88	0.050	1.000	0	87.7	80.7	112			
Ethylbenzene	0.97	0.050	1.000	0	96.6	78.9	117			
Xylenes, Total	2.9	0.10	3.000	0	95.5	79.2	115			
Surr: 4-Bromofluorobenzene	1.0		1.000		103	80	120			

Qualifiers:

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

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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: SMA-FARM | Work Order Number: 1610A10 | RcptNo: 1

Received by/date: LC 10/20/16

Logged By: Anne Thorne 10/20/2016 8:15:00 AM Anne Thorne

Completed By: Anne Thorne 10/20/2016 Anne Thorne

Reviewed By: aJ 10/20/16

Chain of Custody

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

Log In

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

# of preserved bottles checked for pH: _____ (<2 or >12 unless noted)

Adjusted? _____

Checked by: _____

Special Handling (if applicable)

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

Person Notified: _____ Date _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

17. Additional remarks:

18. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.5	Good	Yes			

Chain-of-Custody Record

Client: SMA

Mailing Address: 401 W Broadway
Farmington, NM 87401

Phone #: 505-325-7535

Email or Fax#: Ashley maxwell

QA/QC Package:
Standard ☐ Level 4 (Full Validation)

Accreditation
NELAP ☐ Other _____

EDD (Type) _____

Turn-Around Time:
☒ Standard ☐ Rush _____

Project Name: Hicks #2 Line Leak

Project #: SB2

Project Manager: Ashley Maxwell

Sampler: AM | LD

On Ice: ☒ Yes ☐ No

Sample Temperature: 1.5

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No.	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH 8015B (GRO / DRO / MRO)	TPH (Method 418.1)	EDB (Method 504.1)	PAH's (8310 or 8270 SIMS)	RCRA 8 Metals	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)					Air Bubbles (Y or N)
10/18	13:08	Soil	SB2-1	4oz		1610A10-001	SEE REMARKS		X									300.0 Cl				
	13:17		SB2-2			-002			X													
	13:23		SB2-3			-003			X													
	13:28		SB2-4			-004			X													
↓	13:33	↓	SB2-5	↓		-005	↓		X	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓

SEE REMARKS

Date:	Time:	Relinquished by:	Received by:	Date	Time
10/19/16	1640		Christine Walters	10/19/16	1640
10/20/16	1937	Christine Walters	Lindsey Cornetta	10/20/16	0915

Remarks: If GRO/DRO < 100 ppm run 8021 BTEX & 300.0 Cl

Hold for holding time in case other analysis are needed

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