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 Department

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

Form C-141
Revised August 24, 2018
Submit to appropriate OCD District office

Incident ID	NAPP2131670294
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release?	>100 (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☒ Yes ☐ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☒ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☒ Yes ☐ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☒ Yes ☐ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☒ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☒ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☒ Yes ☐ No
Are the lateral extents of the release within a 100-year floodplain?	☒ Yes ☐ No
Did the release impact areas **not** on an exploration, development, production, or storage site?	☐ Yes ☒ No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

Characterization Report Checklist: ***Each of the following items must be included in the report.***

- ☒ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ☒ Field data
- ☒ Data table of soil contaminant concentration data
- ☒ Depth to water determination
- ☒ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- ☒ Boring or excavation logs
- ☒ Photographs including date and GIS information
- ☒ Topographic/Aerial maps
- ☒ Laboratory data including chain of custody

Form C-141 State of New Mexico
Page 2 Oil Conservation Division

Incident ID	NAPP2131670294
District RP	
Facility ID	
Application ID	

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD 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 OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD 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.

Printed Name: Robert Dunaway Title: Senior Environmental Engineer

Signature: Date: 8/3/22

email: rhdunaway@eprod.com Telephone: 575-628-6802

OCD Only

Received by: Jocelyn Harimon Date:

Souder, Miller & Associates♦201 S. Halagueno St.♦Carlsbad, NM 88220

August 3, 2022

#5E31002-BG10

Mr. Robert Hamlet
NMOCD District 2
811 S. First St
Artesia, New Mexico 88210

SUBJECT: Site Characterization Report for the A-18 Lateral Release (nAPP2131670294), Eddy County, New Mexico

Mr. Hamlet:

On behalf of Enterprise Field Services LLC (Enterprise), Souder, Miller & Associates (SMA) has prepared this Site Characterization Report for a release of produced water and natural gas related to oil and gas gathering activities at the A-18 Lateral (nAPP2131670294) site. The site is in Unit J, Section 28, Township 22S, Range 26E, Eddy County, New Mexico, on Federal land managed by the Bureau of Land Management (BLM). A topographic map showing the release location is included as Figure 1 and an aerial site map is included as Figure 2.

The gas portion of this release constitutes venting that occurred during an emergency or malfunction, as authorized by NMOCD regulations at NMAC 19.15.28.8.A and B(1). This release therefore is not prohibited by NMAC 19.15.29.8.A.

Table 1, summarizes information regarding the release.

Table 1: Release Information and Closure Criteria			
Name	A-18 Lateral	Company	Enterprise Field Services LLC
API Number	N/A	Location	32.360476, -104.29649
Tracking Number	nAPP2131670294		
Date Release Discovered	November 12, 2021	Date Reported to NMOCD	November 12, 2021
Land Status	Federal (BLM)	Reported To	New Mexico Oil Conservation Division (NMOCD)
Source of Release	Hole in gathering pipeline		
Released Volume	4 barrels (bbls) 1,193 Mcf	Released Material	Produced Water Natural Gas
Recovered Volume	0 bbls 0 Mcf	Net Release	4 bbls 1,193 Mcf
NMOCD Closure Criteria	<50 feet to groundwater		
SMA Response Dates	November 17 and 22, 2021; February 10, 2022; April 4 and 5, 2022; and July 6 through July 22, 2022		

1.0 Background

On November 12, 2021, a release of produced water and natural gas was discovered at the A-18 Lateral site due to a hole in the gathering pipeline. Initial response activities were conducted by Enterprise which included source elimination and containment activities. A copy of the C-141 form is included in Appendix A.

2.0 Site Information and Closure Criteria

The A-18 Lateral is an active gathering pipeline located approximately one mile west of Carlsbad, New Mexico on Federal (BLM) land at an elevation of approximately 3,266 feet above mean sea level (amsl).

Depth to Groundwater
A search of the New Mexico Office of the State Engineer (OSE) New Mexico Water Rights Reporting System (NMWRRS) and the United States Geological Society (USGS) National Water Information System yielded three results within ½-mile of the site (Appendix B). Two USGS wells are reported to be within 500 feet of the site with depths to groundwater of 166 and 199 feet below ground surface (bgs). Additionally, one OSE well is reported within ½-mile of the site and reports a depth to groundwater of 187 feet bgs. Based on this data and the elevation differential between the site and the wells, it is estimated that depth to groundwater at the site is 156 feet bgs. Registered wells in the vicinity are shown on Figure 1. Also, as described in below in Section 4.0, no groundwater was encountered in the borings advanced during site characterization activities.

Wellhead Protection Area
As stated above, there are three known groundwater sources within ½-mile of the location, according to the OSE NMWRRS and USGS National Water Information System. At least one source appears to be used for livestock water.

Distance to Nearest Significant Watercourse
The site is located within McKittrick Draw as illustrated on Figures 1 and 2.

Closure Criteria
Table 2 demonstrates the Closure Criteria applicable to this location. Figures 1 and 2 demonstrate that, due to the proximity of McKittrick Wash and the high karst potential of underlying rock, the site does lie within a sensitive area as described in Paragraph (4) of Subsection (C) of 19.15.29.12 NMAC.

Based on the information presented herein, the applicable NMOCD Closure Criteria for this site is for a groundwater depth of less than 50 feet bgs.

3.0 Initial Release Characterization

On November 17 and 22, 2021, following pipeline repair and excavation activities, SMA personnel provided excavation guidance and excavation confirmation sampling at the A-18 Lateral site.

During excavation guidance, soil samples were field screened for chloride using an electrical conductivity (EC) meter and for volatile organic compounds (VOCs) using a calibrated MiniRAE 3000 photoionization detector (PID) equipped with a 10.6 eV lamp. Field notes are included in Appendix C.

Six (6) composite confirmation samples were collected from the initial excavation for laboratory analysis for total chloride using United States Environmental Protection Agency (USEPA) Method 300.0; benzene, toluene, ethylbenzene and total xylenes (BTEX) using USEPA Method 8021B; and total petroleum hydrocarbons (TPH) as motor, diesel and gasoline range organics (MRO, DRO, and GRO) by USEPA Method 8015D. Excavation samples were composed of 5-point composites collected every 200 square

feet in accordance with the sampling protocol included in Appendix D. A copy of the confirmation sampling notification email is included in Appendix E.

The initial remediation excavation measured approximately 24 feet by 17 feet with a maximum depth of 13 feet, where weathered dolomite bedrock was encountered at the excavation base.

Based on field screening results, the excavation was extended to the southwest to expose the parallel pipeline within the right-of-way operated by Devon Energy Production Company (Devon). The Devon pipeline appeared to be uncompromised. On December 2, 2021, SMA collected six (6) additional excavation confirmation samples from the investigatory excavation. The investigatory excavation extents measured approximately 28 feet by 13 feet with a maximum depth of 5.5 feet. Excavation samples were composed of 5-point composites collected every 200 square feet or less in accordance with the sampling protocol included in Appendix D, except for sample HD-01@ 0-2' which was a composite of cuttings from a hand augered soil boring advanced horizontally into the excavation sidewall at a depth of approximately 3.5 feet bgs. Except for samples BS-01 and BS-02 which showed high field screening for VOCs, these samples were submitted for laboratory analysis in the same manner as described above.

Excavation extents and confirmation sample locations are depicted in Figure 3. A photo log is included in Appendix F. Excavation confirmation laboratory results are summarized in Table 3. Laboratory reports are included in Appendix G.

Laboratory analytical results, in conjunction with field screening results, indicated that benzene, total BTEX, and/or TPH concentrations are above the Closure Criteria in the excavation sidewalls and base, as well as the northeast portion of the investigatory excavation base. A chloride concentration above the Closure Criteria was also reported in the southwest base of the excavation. Due to these elevated concentrations and the encroachment of the excavation on McKittrick Road to the northeast, the excavation was backfilled with the spoils pending additional release characterization.

4.0 Continued Release Characterization

On February 10, 2022, four soil borings (BH-01 through BH-04) were advanced in the central portion of the excavation area and to the northwest and southeast immediately outside the excavation area using a Geoprobe drill rig operated by JR Drilling, LLC. The borings were advanced to the underlying rock where equipment refusal was encountered at depths ranging from 11.5 to 13 feet bgs. Boring BH-01 was comprised entirely of backfill and no samples were collected. The remainder of the borings were continuously sampled, and field screened for VOCs. Sample intervals representing the highest field screening results, changes in lithology, and/or the deepest sampled interval of the boring were submitted for laboratory analysis as described previously. Laboratory analytical results indicated concentrations of constituents of concern were below laboratory reporting limits for all samples except for BH-02 at 10.5-11.5 feet bgs, the deepest sampled interval of the boring, which reported detectable concentrations of total BTEX and a total concentration of 340 milligrams per kilogram (mg/kg) total TPH which is above the Closure Criteria of 100 mg/kg.

On April 4 and 5, 2022, three additional borings (BH-05 through BH-07) were advanced in the central portion of the excavation area and extending outside the excavation area to the southwest using a Sonic Geoprobe drill rig operated by Talon/LPE. The borings were advanced to depth ranging from 15 to 28 feet in depth where equipment refusal was encountered. The borings were continuously sampled, and field screened for VOCs except where they were advanced through backfill which was from the surface to 13 feet bgs in boring BH-05 and from the surface to 6 feet bgs in boring BH-07. Sample intervals representing the highest field screening, changes in lithology, and/or the deepest sampled interval of the boring were submitted for laboratory analysis as described previously. Laboratory analytical results

indicated concentrations of total TPH above the Closure Criteria present at the deepest interval sampled in all three borings.

Following consultation with OCD staff via virtual conference call on April 27, 2022, additional borings were proposed to further delineate the site. On July 6 through July 22, 2022, five additional borings (BH-08 through BH-12) were advanced at the site using a truck-mounted CME-75 drill rig operated by Enviro-Drill, Inc. The borings were advanced to depths ranging from 40 to 101 feet bgs. The borings were advanced using a combination of hollow-stem auger, wire-line coring, and air-rotary drilling techniques. Samples were collected by split-spoon, as rock cores, and as grab samples of cuttings as appropriate. Samples were field screened for VOCs except for boring BH-08 from the surface to 15 feet bgs where the boring was advanced through backfill. Sample intervals representing the highest field screening, changes in lithology, and/or the deepest sampled interval of the boring were submitted for laboratory analysis as described previously. Laboratory analytical results indicate total TPH concentrations above Closure Criteria in boring BH-08 from 20 to 32.25 feet bgs and one isolated interval at 64 to 66 feet bgs. Additionally, TPH concentrations above Closure Criteria were reported in boring BH-11 at depths ranging from 35 to 50 feet bgs.

No groundwater was encountered during the drilling of the borings. Boring BH-08 was left open for more than 72-hours at a depth of 50 feet bgs, and then later left open for 24-hours at a depth of 101 feet. No groundwater was encountered in boring BH-08 after the elapse time periods.

Boring locations are illustrated on Figure 4. Boring logs are included in Appendix H. Laboratory analytical and field screening results are summarized in Table 4. Laboratory reports are included in Appendix G.

5.0 Discussion

Lithology at the site generally consists of alluvial fill underlain by dolomite interbedded with siltstone. The dolomite exhibits karst features with small vugs concentrated in lenses disbursed throughout the unit. Based on subsurface conditions observed during drilling and logging activities, the alluvial fill thickness appears greatest within the channel of McKittrick Draw and the underlying rock surface appears to slope to the southwest. Likewise, surface topography slopes to the southwest in the immediate vicinity of the excavation area, but in the greater vicinity, topography slopes to the northwest. Based on field screening and laboratory results, it appears that residual contamination extends primarily from the central excavation area to the southwest and decreases in concentration to below Closure Criteria at a depth of approximately 32.5 feet near boring BH-08, and to a depth greater than 50 feet bgs near boring BH-11.

An extension request was submitted to the OCD on May 4, 2022, and approved on May 5, 5022. An additional extension request was submitted on July 20, 2022, but was denied with a request for the submittal of a Site Assessment/Characterization report. Copies of this correspondence is included in Appendix E.

Enterprise proposes to consult with the OCD via a teleconference in early August to develop a path forward for site remediation and closure.

Should additional drilling be necessary, the soonest a drill rig will be available is late September or early October 2022.

6.0 Scope and Limitations

The scope of our services included: assessment sampling; verifying release stabilization, regulatory liaison, and preparing this site characterization 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 Heather Woods at 505-325-7535.

Submitted by:
SOUDER, MILLER & ASSOCIATES

Ashley Maxwell
Project Scientist

Reviewed by:

Heather Woods, P.G.
Project Geoscientist

ATTACHMENTS:

Figures:

Figure 1: Topographic Site Map
Figure 2: Aerial Site Map
Figure 3: Excavation Confirmation Sample Location Map
Figure 4: Boring Location Map

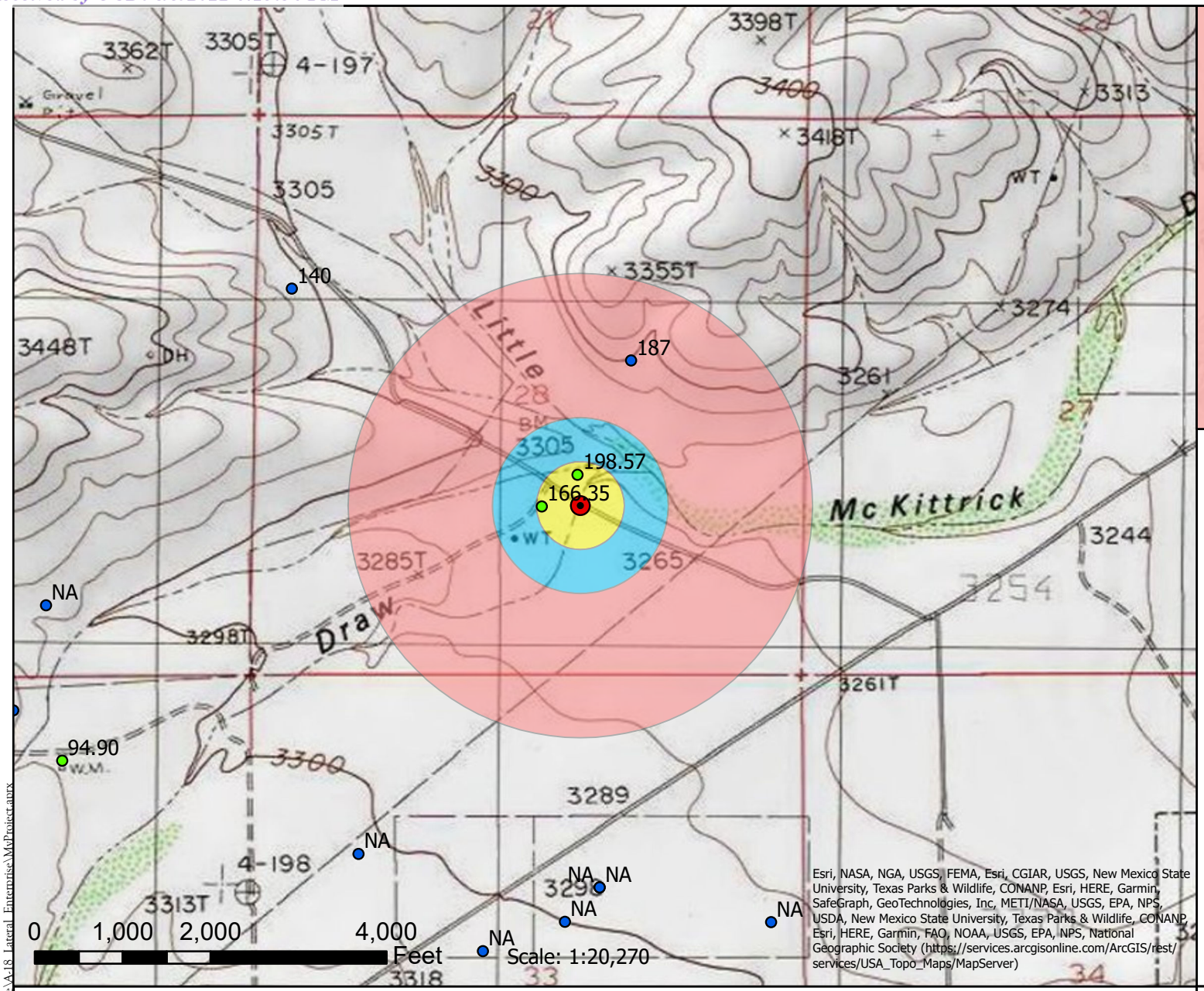
Tables:

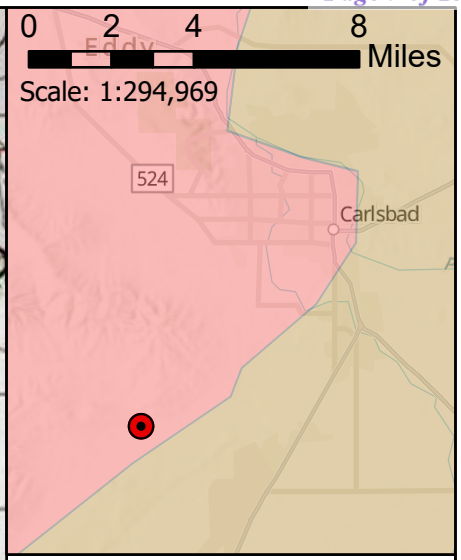
Table 2: NMOCD Closure Criteria
Table 3: Summary of Excavation Confirmation Field Screening and Laboratory Analytical Results
Table 4: Summary of Boring Field Screening and Laboratory Analytical Results

Appendices:

Appendix A: Copy of Form C-141
Appendix B: Groundwater Well Documentation
Appendix C: Field Notes
Appendix D: Sampling Protocol
Appendix E: Correspondence
Appendix F: Photograph Log
Appendix G: Laboratory Analytical Reports
Appendix H: Boring Logs

FIGURES





Legend

- Point of Release
- USGS GW Wells (depth in ft)
- OSE GW Wells (depth in ft)

Buffer Distance

- 500 feet
- 1000 feet
- 0.5 mile

Karst Potential

Potential

- High
- Low
- Medium

N

Coordinates:
-104.29649W 32.360476N

Topographic Site Map
A-18 Lateral - Enterprise Field Services LLC
UL: J S: 28 T: 22S R: 26E, Eddy County, New Mexico

Figure 1

C:\Users\ss\Desktop\GIS\Enterprise\A-18 Lateral Enterprise\MyProject.aprx
Date Saved: 4/14/2022

Revisions
By: Date: Descr:
By: Date: Descr:

Drawn Sarahmay Schlea
Date 4/14/2022
Checked
Approved

SMA
Souder, Miller & Associates
Engineering • Environmental
Geomatics

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Carlsbad, New Mexico 88221
(575) 689-7040
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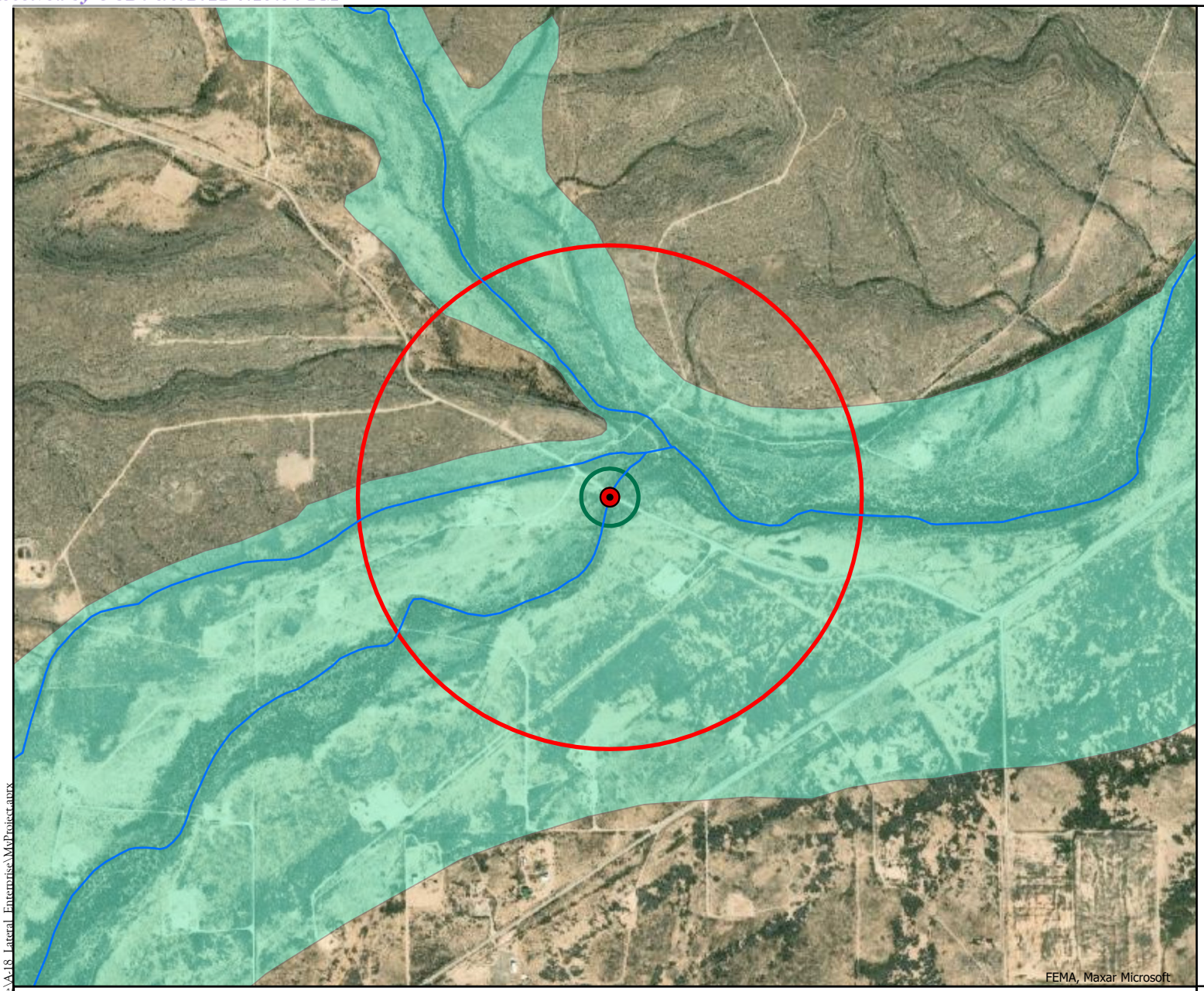

Legend

- Point of Release
- Streams/Canals
- 0.5 Mile Radius
- 300 Foot Radius
- FEMA Flood Zones

N

Scale: 1:18,681

0 1,500 3,000

Feet

Coordinates:
-104.29649W 32.360476N

Aerial Site Map
A-18 Lateral - Enterprise Field Services LLC
UL: J S: 28 T: 22S R: 26E, Eddy County, New Mexico

Figure 2

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Date Saved: 3/16/2022

Revisions
By: Date: Descr:
By: Date: Descr:

Drawn Sarahmay Schlea
Date 4/14/2022
Checked
Approved

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Legend

- Point of Release
- Investigatory Samples
- Composite Base Samples
- Composite Sidewall Samples
- Excavation Area
- Area of Investigatory Sampling

Pipelines

- Enterprise A-18 Lateral Pipeline
- Devon Pipeline

0 5 10 20 30 40

Feet

Scale: 1:349

N

Coordinates:
-104.29649W 32.360476N

Excavation Confirmation Sample Location Map
A-18 Lateral - Enterprise Field Services LLC
UL: J S: 28 T: 22S R: 26E, Eddy County, New Mexico

Figure 3

Revisions
By: Date: Descr:
By: Date: Descr:

Drawn Sarahmay Schlea
Date 8/3/2022
Checked
Approved

SMA

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Date Saved: 7/26/2022

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Legend

- Point of Release
- Boreholes 02/10/22
- Boreholes 04/06/22
- Boreholes 07/06/22
- Excavation Area
- Area of Investigatory Sampling

Pipelines

- Enterprise A-18 Lateral Pipeline
- Devon Pipeline

0 5 10 20 30 40

Feet

Scale: 1:349

N

Coordinates:
-104.29649W 32.360476N

Boring Location Map
A-18 Lateral - Enterprise Field Services LLC
UL: J S: 28 T: 22S R: 26E, Eddy County, New Mexico

Figure 4

Revisions
By: Date: Descr:
By: Date: Descr:

Drawn Sarahmay Schlea
Date 8/3/2022
Checked
Approved

SMA

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Date Saved: 7/26/2022
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TABLES

Table 2:
NMOCD Closure Criteria

Enterprise Field Services LLC
A-18 Lateral

Site Information (19.15.29.11.A(2, 3, and 4) NMAC)		Source/Notes
Estimated Depth to Groundwater (feet bgs)	156	United State Geological Survey Topo Map
Hortizontal Distance From All Water Sources Within 1/2 Mile (ft)	960	NMOSE & USGS Water Well Data
Hortizontal Distance to Nearest Significant Watercourse (ft)	23,000	United State Geological Survey Topo Map

Closure Criteria (19.15.29.12.B(4) and Table 1 NMAC)						
Depth to Groundwater		**Closure Criteria (units in mg/kg)**				
		Chloride *numerical limit or background, whichever is greater	**TPH**	**GRO + DRO**	**BTEX**	**Benzene**
< 50' BGS		600	100	--	50	10
51' to 100'		10000	2500	1000	50	10
>100'	X	20000	2500	1000	50	10
Surface Water	**yes or no**	**if yes, then**				
<300' from continuously flowing watercourse or other significant watercourse?	Yes	600	100		50	10
<200' from lakebed, sinkhole or playa lake?	No					
Water Well or Water Source						
<500 feet from spring or a private, domestic fresh water well used by less than 5 households for domestic or stock watering purposes?	No					
<1000' from fresh water well or spring?	No					
Human and Other Areas						
<300' from an occupied permanent residence, school, hospital, institution or church?	No					
within incorporated municipal boundaries or within a defined municipal fresh water well field?	No					
<100' from wetland?	No					
within area overlying a subsurface mine	No					
within an unstable area?	Yes					
within a 100-year floodplain?	Yes					

Table 3:
Summary of Excavation Field Screening
and Laboratory Analytical Results

Enterprise Field Services LLC
A-18 Lateral

Sample ID	Sample Date	Depth of Sample (feet bgs)	Field Screening	Method 8021B		Method 8015D				Method 300.0
			VOCs by PID	BTEX	Benzene	GRO	DRO	MRO	Total TPH	Chloride
			ppm	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
NMOCD Closure Criteria (>4 ft)				50	10				100	600
BS 1-N @ 12'	11/22/2021	12	374	**367**	**12**	**9,200**	**3,200**	<840	**12,400**	**86**
BS 2-S @ 13'	11/22/2021	13	345	**708**	**22**	**13,000**	**3,600**	<990	**16,600**	**800**
SWN-3 @ 0-12'	11/22/2021	0-12	1,545	**3.89**	<0.12	**340**	**470**	**63**	**873**	<60
SWE-4 @ 0-12.5'	11/22/2021	0-12.5	914	**53.75**	**0.35**	**1,100**	**1,000**	<460	**2,100**	**340**
SWS-5 @ 0-13'	11/22/2021	0-13	950	**80.25**	**0.65**	**1,300**	**1,400**	<480	**2,700**	<60
SWW-6 @0-12.5'	11/22/2021	0-12.5	1,557	**16.26**	<0.12	**650**	**200**	<47	**850**	<60
HD-01 @ 0-2'	12/2/2021	3.5	7.3	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<40.0
BS-01	12/2/2021	5.5	2,003	--	--	--	--	--	--	--
BS-02	12/2/2021	5.5	1,851	--	--	--	--	--	--	--
BS-03	12/2/2021	5.5	50.1	**0.141**	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
BS-04	12/2/2021	5.5	57.7	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
SSW-05	12/2/2021	3.5	354	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0

Notes:

NMOCD - New Mexico Oil Conservation Division
VOC - volitile organic compound
PID - photoionization detector
BTEX - total benzene, toluene, ethylbenzene, and xylenes
GRO - gasoline range organics
DRO - diesel range organics
MRO - motor oil range organics
TPH - total petroleum hydrocarbon

bgs - below grade surface
ppm - parts per million
mg/kg - milligram per kilogram
"--" - not applicable or not analyzed

Table 4:
Summary of Boring Field Screening
and Laboratory Analytical Results

Enterprise Field Services LLC
A-18 Lateral

Sample ID	Sample Date	Depth of Sample (feet bgs)	Field Screening		Method 8021B		Method 8015D				Method 300.0
			VOCs by PID	TPH	BTEX	Benzene	GRO	DRO	MRO	Total TPH	Chloride
			ppm	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
NMOCD Closure Criteria					50	10	--	--	--	100	600
BH-01	2/10/2022	0 - 11.5	No samples of backfill from surface to 11.5 ft, no recovery in-situ rock at 11.5 ft.								
BH-02	2/10/2022	2 - 4	1.0	--	--	--	--	--	--	--	--
		4 - 6	3.4	--	--	--	--	--	--	--	--
		6 - 8	3.1	--	--	--	--	--	--	--	--
		8 - 9	23.3	--	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
		10.5-11.5	1,753	--	**1.66**	<0.0250	**196**	**144**	<50.0	**340**	<20.0
BH-03	2/10/2022	2 - 4	0.7	--	--	--	--	--	--	--	--
		4 - 5	0.9	--	--	--	--	--	--	--	--
		7 - 8	1.8	--	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
		9.5 - 11	0.2	--	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
BH-04	2/10/2022	2 - 4	1.6	--	--	--	--	--	--	--	--
		5 - 6	3.7	--	--	--	--	--	--	--	--
		10 - 11	6.8	--	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
		11.5 - 13	98.2	--	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
BH-05	4/5/2022	0 - 14	No samples of backfill from surface to 13 ft, then no recovery from 11.5 to 14 ft.								
		14 - 15	1,333	--	**261.7**	**15.8**	**2,660**	**1560**	**282**	**4,502**	**170**
		16 - 17	1,539	--	**104.8**	**2.57**	**1,380**	**887**	**180**	**2,447**	**395**
		20	1,247	268	**107.5**	**2.06**	**1,470**	**913**	**587**	**2,970**	**111**
		24	1,778	313	**11.4**	**0.101**	**175**	**261**	**181**	**617**	**257**
BH-06	4/5/2022	2.5	30.8	--	--	--	--	--	--	--	--
		5	7.5	--	--	--	--	--	--	--	--
		7.5	4.6	--	--	--	--	--	--	--	--
		10	4.2	--	--	--	--	--	--	--	--
		11.5	8.0	--	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
		12.5	6.4	--	--	--	--	--	--	--	--
		15	4.1	--	<0.100	<0.0250	<20.0	**95.3**	**210**	**305**	**44.2**
BH-07	4/6/2022	0 - 6	No samples of backfill from surface to 6 ft.								
		6	5.8	--	--	--	--	--	--	--	--
		10	4.8	--	--	--	--	--	--	--	--
		11	1,104	--	--	--	--	--	--	--	--
		13	432.6	--	--	--	--	--	--	--	--
		15	1,069	--	--	--	--	--	--	--	--
		16	4,717	--	**1.219**	<0.0250	**55.5**	**236**	<50.0	**292**	**35.3**
		19	3,263	144	--	--	--	--	--	--	--
		19.5	>5,000	--	**3.18**	<0.0250	**67.8**	**322**	<50.0	**390**	**86.3**
		20	>5,000	--	--	--	--	--	--	--	--
		21	>5,000	939	**12.3**	<0.0250	**189**	**594**	<50.0		**110**
		23 - 24	4,042	573	--	--	--	--	--	--	--
		25	4,300	325	**20.5**	**0.138**	**229**	**435**	**123**	**787**	**138**
		25.5	>5,000	--	**159.5**	**5.51**	**1,220**	**398**	<50.0	**1,618**	**55.4**
		26	3,847	--	--	--	--	--	--	--	--
		27	2,587	--	--	--	--	--	--	--	--
		28	4,680	81	**4.2**	<0.0250	**54.3**	**98.8**	<50.0	**153.1**	**264**

Table 4:
Summary of Boring Field Screening
and Laboratory Analytical Results

Enterprise Field Services LLC
A-18 Lateral

Sample ID	Sample Date	Depth of Sample (feet bgs)	Field Screening		Method 8021B		Method 8015D				Method 300.0
			VOCs by PID	TPH	BTEX	Benzene	GRO	DRO	MRO	Total TPH	Chloride
			ppm	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
NMOCD Closure Criteria					50	10	--	--	--	100	600
BH-08	7/6/2022	20-20.5	1,400	--	**1.02**	<0.0250	**35.3**	**940**	**281**	**1,256**	<40.0
		25-26	4,700	--	**0.677**	<0.0250	**24.5**	**506**	**178**	**709**	<40.0
		30-30.5	3,506	--	**1.24**	<0.0250	**42.5**	**279**	**177**	**499**	**61.8**
		31.5-31.75	109.3	--	<0.100	<0.0250	<20.0	**79.6**	**52.1**	**132**	<40.0
		31.75-32.25	620	--	<0.100	<0.0250	<20.0	**85.2**	**88.5**	**174**	<40.0
		32.25-32.75	110.7	--	<0.100	<0.0250	<20.0	**40.9**	<50.0	**40.9**	<40.0
		37-38	23.2	--	--	--	--	--	--	--	--
		38-39	192.0	--	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
		40-41	25.9	--	--	--	--	--	--	--	--
		41-41.25	80.5	--	--	--	--	--	--	--	--
		41.25-42.5	29.7	--	--	--	--	--	--	--	--
		42.5-43	30.3	--	--	--	--	--	--	--	--
		43-43.75	174	--	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	**45.3**
		43.75-44.5	44.1	--	--	--	--	--	--	--	--
		44.5-44.75	82.9	--	--	--	--	--	--	--	--
		44.75-45	163.2	--	<0.100	<0.0250	<20.0	<2.0	<50.0	<95.0	**26.1**
		46-46.25	94.6	--	--	--	--	--	--	--	--
		46.25-46.5	73.2	--	--	--	--	--	--	--	--
		46.5-46.75	30	--	--	--	--	--	--	--	--
		46.75-47.5	178	--	--	--	--	--	--	--	--
		47.5-47.75	285	--	<0.100	<0.0250	<20.0	**48.5**	<50.0	**48.5**	**26.6**
		47.75-48.5	31.5	--	--	--	--	--	--	--	--
		48.5-48.75	15.6	--	--	--	--	--	--	--	--
		48.75-49.25	23.9	--	--	--	--	--	--	--	--
		49.25-49.75	31.5	--	--	--	--	--	--	--	--
		49.75-50	5.4	--	<0.100	<0.0250	<20.0	**55.0**	<50.0	**55.0**	**20.6**
	7/22/2022	50-52.5	20.3	--	<0.149	<0.017	<3.3	<14	<48	<65	<60
		52.5-55	17.7	--	<0.153	<0.017	<3.4	<14	<46	<68	<60
		55-55.5	7.6	--	<0.135	<0.015	<3.0	<15	<50	<68	<60
		55.5-57	8.1	--	<0.144	<0.016	<3.2	<12	<41	<56	**88**
		57-59.75	9.8	--	--	--	--	--	--	--	--
		59.75-60.25	2.8	--	--	--	--	--	--	--	--
		60.25-62.5	20.7	--	<0.139	<0.015	<3.1	<13	<43	<59	**87**
		62.5-64	14.5	--	--	--	--	--	--	--	--
		64-66	105	--	<0.156	<0.017	<3.5	**40**	**140**	**180**	**81**
		66-67.5	10.1	--	--	--	--	--	--	--	--
		67.5-70	64.8	--	<0.144	<0.016	<3.2	<13	<43	<59	**75**
		70-72.5	17.3	--	--	--	--	--	--	--	--
		72.5-75	16	--	<0.139	<0.015	<3.1	<13	<45	<61	<60
		75-77.5	9.2	--	--	--	--	--	--	--	--
		77.5-80	40.1	--	<0.135	<0.015	<3.0	<14	<47	<64	<59
		80-82.5	53.6	--	<0.170	<0.019	<3.8	**16**	<45	**16**	**62**
		82.5-85	9.8	--	--	--	--	--	--	--	--
		85-87.5	3.8	--	--	--	--	--	--	--	--
		87.5-90	12.4	--	<0.156	<0.017	<3.5	<13	<45	<62	**77**
		90-92.5	5.1	--	<0.194	<0.022	<4.3	<14	<48	<66	**80**
		92.5-95	1.9	--	<0.153	<0.017	<3.4	<15	<49	<67	**71**
		95-97.5	7.7	--	<0.162	<0.018	<3.6	<14	<47	<65	**79**
		97.5-100	4.9	--	<0.157	<0.017	<3.5	<14	<46	<64	<60
		100-101	8.5	--	<0.201	<0.022	<4.5	<14	<48	<67	**61**

Table 4:
Summary of Boring Field Screening
and Laboratory Analytical Results

Enterprise Field Services LLC
A-18 Lateral

Sample ID	Sample Date	Depth of Sample (feet bgs)	Field Screening		Method 8021B		Method 8015D				Method 300.0
			VOCs by PID	TPH	BTEX	Benzene	GRO	DRO	MRO	Total TPH	Chloride
			ppm	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
NMOCD Closure Criteria					50	10	--	--	--	100	600
BH-09	7/7/2022	5-5.25	0.9	--	--	--	--	--	--	--	--
		10-10.5	1	--	--	--	--	--	--	--	--
		15-15.5	1.6	--	--	--	--	--	--	--	--
		20-20.5	2.8	--	<0.172	<0.019	<3.8	<14	<47	<65	<61
		25-25.5	0.0	--	--	--	--	--	--	--	--
		28.75-29	0.0	--	--	--	--	--	--	--	--
		29-29.5	0.0	--	--	--	--	--	--	--	--
		29.5-30	0.0	--	--	--	--	--	--	--	--
		30-31	0.0	--	--	--	--	--	--	--	--
		31-31.5	0.0	--	--	--	--	--	--	--	--
		31.5-32	0.0	--	--	--	--	--	--	--	--
		32-33.25	0.0	--	--	--	--	--	--	--	--
		33.25-33.5	0.0	--	--	--	--	--	--	--	--
		33.5-34	0.0	--	--	--	--	--	--	--	--
		34-34.5	0.0	--	--	--	--	--	--	--	--
		34.5-34.75	0.0	--	<0.242	<0.026	<5.3	<13	<43	<61	<60
		34.75-35	0.0	--	--	--	--	--	--	--	--
		35-35.5	0.0	--	--	--	--	--	--	--	--
		35.5-37	0.0	--	--	--	--	--	--	--	--
		37-38	0.0	--	--	--	--	--	--	--	--
		38-38.5	0.0	--	--	--	--	--	--	--	--
		38.5-40	0.0	--	--	--	--	--	--	--	--
		40.5-41	0.0	--	--	--	--	--	--	--	--
		41-41.5	0.0	--	--	--	--	--	--	--	--
		41.5-42	0.0	--	--	--	--	--	--	--	--
		42-42.5	0.0	--	--	--	--	--	--	--	--
		42.5-42.75	0.0	--	--	--	--	--	--	--	--
		42.75-43	0.0	--	--	--	--	--	--	--	--
		43-43.23	0.0	--	--	--	--	--	--	--	--
		43.25-43.75	0.0	--	--	--	--	--	--	--	--
		43.75-44.25	0.0	--	--	--	--	--	--	--	--
		44.25-44.5	0.0	--	--	--	--	--	--	--	--
		44.5-45	0.0	--	<0.152	<0.017	<3.4	**26**	<48	**26**	<60

Table 4:
Summary of Boring Field Screening
and Laboratory Analytical Results

Enterprise Field Services LLC
A-18 Lateral

Sample ID	Sample Date	Depth of Sample (feet bgs)	Field Screening		Method 8021B		Method 8015D				Method 300.0
			VOCs by PID	TPH	BTEX	Benzene	GRO	DRO	MRO	Total TPH	Chloride
			ppm	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
NMOCD Closure Criteria					50	10	--	--	--	100	600
BH-10	7/7/2022	5-5.5	0.0	--	--	--	--	--	--	--	--
		10-10.5	0.0	--	<0.172	<0.019	<3.8	<13	<45	<62	<60
		15-15.5	0.0	--	<0.153	<0.017	<3.4	<15	<49	<67	<60
		20-20.25	0.0	--	--	--	--	--	--	--	--
		25-25.25	0.0	--	--	--	--	--	--	--	--
		30-30.25	0.0	--	--	--	--	--	--	--	--
		30.25-30.75	0.0	--	<0.207	<0.023	<4.6	<14	<48	<67	<61
		30.75-31.25	0.0	--	--	--	--	--	--	--	--
		31.25-31.75	0.0	--	--	--	--	--	--	--	--
		31.75-32	0.0	--	--	--	--	--	--	--	--
		33-33.5	0.0	--	--	--	--	--	--	--	--
		33.5-34	0.0	--	--	--	--	--	--	--	--
		34-34.25	0.0	--	--	--	--	--	--	--	--
		34.25-34.5	0.0	--	<0.195	<0.022	<4.3	<13	<44	<61	<60
		34.5-35	0.0	--	--	--	--	--	--	--	--
		36.25-36.5	0.0	--	--	--	--	--	--	--	--
		36.5-37	0.0	--	--	--	--	--	--	--	--
		37-37.5	0.0	--	--	--	--	--	--	--	--
		37.5-38	0.0	--	--	--	--	--	--	--	--
		38-38.5	0.0	--	--	--	--	--	--	--	--
		38.5-38.75	0.0	--	--	--	--	--	--	--	--
		38.75-39	0.0	--	--	--	--	--	--	--	--
		39-39.75	0.0	--	--	--	--	--	--	--	--
		39.75-40	0.0	--	<0.185	<0.021	<4.1	<13	<42	<59	<60
BH-11	7/11/2022	5-5.5	1.7	--	--	--	--	--	--	--	--
		10-10.5	1.7	--	--	--	--	--	--	--	--
		15-15.5	4.2	--	<0.198	<0.022	<4.4	<15	<49	<68	<60
		20-20.5	1.0	--	<0.150	<0.017	<3.3	<15	<49	<67	<60
		25-25.5	1.5	--	--	--	--	--	--	--	--
		31-31.5	0.0	--	--	--	--	--	--	--	--
	7/13/2022	31.5-32	0.0	--	--	--	--	--	--	--	--
		32-32.25	0.0	--	<0.175	<0.019	<3.9	<13	<42	<59	<60
		32.25-33	0.0	--	--	--	--	--	--	--	--
		33-33.25	0.0	--	--	--	--	--	--	--	--
		33.25-33.5	0.0	--	--	--	--	--	--	--	--
		33.5-34	0.0	--	--	--	--	--	--	--	--
		34-34.25	0.0	--	<0.201	<0.022	<4.5	<13	<43	<61	<60
		34.25-34.5	0.0	--	--	--	--	--	--	--	--
		34.5-34.75	0.0	--	--	--	--	--	--	--	--
		34.75-35	0.0	--	--	--	--	--	--	--	--
		35-40	24.0	--	<0.171	<0.019	<3.8	**110**	**510**	**620**	<61
		40-45	18.1	--	<0.171	<0.019	<3.8	**60**	**180**	**240**	<61
		45-50	3.5	--	<0.162	<0.018	<3.6	**57**	**140**	**197**	**84**

Table 4:
Summary of Boring Field Screening
and Laboratory Analytical Results

Enterprise Field Services LLC
A-18 Lateral

Sample ID	Sample Date	Depth of Sample (feet bgs)	Field Screening		Method 8021B		Method 8015D				Method 300.0
			VOCs by PID	TPH	BTEX	Benzene	GRO	DRO	MRO	Total TPH	Chloride
			ppm	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
NMOCD Closure Criteria					50	10	--	--	--	100	600
BH-12	7/11/2022	5-5.5	2.9	--	<0.141	<0.016	<3.1	<14	<48	<65.1	<60
		10-10.5	2.0	--	--	--	--	--	--	--	--
		15-15.5	1.7	--	<0.199	<0.022	<4.4	**28**	<42	**28**	<60
		20-20.5	1.6	--	--	--	--	--	--	--	--
	7/13/2022	25-25.25	0.0	--	--	--	--	--	--	--	--
		25.25-25.5	0.0	--	--	--	--	--	--	--	--
		25.5-26.5	0.7	--	--	--	--	--	--	--	--
		26.5-26.75	0.7	--	<0.166	<0.018	<3.7	<13	<45	<61.7	<60
		26.75-27	0.0	--	--	--	--	--	--	--	--
		27-28.75	0.0	--	--	--	--	--	--	--	--
		28.75-29.25	0.0	--	--	--	--	--	--	--	--
		29.25-30	0.0	--	--	--	--	--	--	--	--
		30-30.75	0.3	--	--	--	--	--	--	--	--
		30.75-31.25	1.1	--	<0.175	<0.019	<3.9	<14	<45	<62.9	<60
		31.25-31.75	0.2	--	--	--	--	--	--	--	--
		31.75-32.5	0.2	--	--	--	--	--	--	--	--
		32.5-33	0.4	--	--	--	--	--	--	--	--
		33-33.5	0.2	--	--	--	--	--	--	--	--
		33.5-34.25	0.2	--	--	--	--	--	--	--	--
		34.25-34.5	0.5	--	--	--	--	--	--	--	--
		34.25-34.5	0.5	--	--	--	--	--	--	--	--
		34.5-35	0.5	--	--	--	--	--	--	--	--
		35-35.75	0.6	--	--	--	--	--	--	--	--
		35.75-36	0.8	--	<0.202	<0.022	<4.5	<14	<46	<64.5	<60
		36-36.5	0.0	--	--	--	--	--	--	--	--
		36.5-37.25	0.7	--	--	--	--	--	--	--	--
		37.25-37.5	0.8	--	--	--	--	--	--	--	--
		37.5-38	0.0	--	--	--	--	--	--	--	--
		38-38.5	0.8	--	<0.221	<0.025	<4.9	<14	<48	<66.9	<60
		38.5-39	0.4	--	--	--	--	--	--	--	--
		39-40	0.5	--	--	--	--	--	--	--	--
		40-40.25	0.0	--	--	--	--	--	--	--	--
		40.25-40.5	0.0	--	--	--	--	--	--	--	--
		40.5-41.2	0.5	--	--	--	--	--	--	--	--
		41.2-41.25	0.0	--	--	--	--	--	--	--	--
		41.25-41.5	0.0	--	<0.162	<0.018	<3.6	<14	<45	<62.6	<59
		41.5-42	0.0	--	--	--	--	--	--	--	--
		42-42.25	0.0	--	--	--	--	--	--	--	--
		42.25-42.5	0.0	--	--	--	--	--	--	--	--
		42.5-42.75	0.0	--	--	--	--	--	--	--	--
		42.75-43	0.0	--	--	--	--	--	--	--	--
		43-43.25	0.0	--	--	--	--	--	--	--	--
		43.25-43.75	0.0	--	--	--	--	--	--	--	--
		43.75-44	0.0	--	<0.157	<0.017	<3.5	<13	<42	<58.5	<60

Notes:
NMOCD - New Mexico Oil Conservation Division
VOC - volitile organic compound
PID - photoionization detector
TPH - total petroleum hydrocarbon
BTEX - total benzene, toluene, ethylbenzene, and xylenes
GRO - gasoline range organics
DRO - diesel range organics
MRO - motor oil range organics
bgs - below grade surface
ppm - parts per million
mg/kg - milligram per kilogram
"--" - not applicable or not analyzed

APPENDIX A
COPY OF FORM C-141

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 Department

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

Form C-141
Revised August 24, 2018
Submit to appropriate OCD District office

Incident ID	NAPP2131670294
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party	Enterprise Field Services LLC	OGRID	241602
Contact Name	Robert Dunaway	Contact Telephone	575-628-6802
Contact email	rhdunaway@eprod.com	Incident # *(assigned by OCD)*	nAPP2131670294
Contact mailing address	PO Box 4324, Houston, TX 77210		

Location of Release Source

Latitude 32.360476 Longitude -104.29649
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	A-18 Lateral	Site Type	Gathering Pipeline
Date Release Discovered	11/12/21	API# *(if applicable)*	

Unit Letter	Section	Township	Range	County
J	28	22S	26E	Eddy

Surface Owner: ☐ State ☒ Federal ☐ Tribal ☐ Private (*Name:* _____)

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

☐ Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
☐ Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☐ Yes ☐ No
☒ Condensate	Volume Released (bbls) 4	Volume Recovered (bbls) -0-
☒ Natural Gas	Volume Released (Mcf) 1193	Volume Recovered (Mcf) -0-
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release

Found a leak on a gathering pipeline, cause is to be determined.

Form C-141
Page 2

State of New Mexico
Oil Conservation Division

Incident ID	NAPP2131670294
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? ☒ Yes ☐ No	If YES, for what reason(s) does the responsible party consider this a major release? Gas release > 500 mscf
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? Yes. Paul Reinermann to Mike Bratcher (email). Paul Reinermann to OCD (NOR)	

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury

☒ The source of the release has been stopped.
☒ The impacted area has been secured to protect human health and the environment.
☒ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.
☒ All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not been undertaken, explain why:

Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD 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 OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD 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.

Printed Name: Robert Dunaway Title: Senior Environmental Engineer

Signature: R. Dunaway Date: 11/22/21

email: rhdunaway@eprod.com Telephone: 575-628-6802

OCD Only

Received by: Ramona Marcus Date: 11/22/2021

Release Inputs	
Release Type	Leak
PSV Flowrate (scfm)	
Hole Length (in)	0.015625
Hole Width (in)	0.015625
Hole Diameter (in)	0.015625
Pressure (psi)	350
Flared	No
Blowdown Inputs	
Pipe Length (ft)	52800
Diameter (in)	12
Pressure (psi)	350
Flared	No
Is blowdown Part of release	Yes

LEAK RELEASE TOTAL	
0.36	Mscf

BLOWDOWN RELEASE TOTAL	
1192.05	Mscf

EVENT TOTAL (LEAK & BLOWDOWN)	
1192.40	Mscf

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Operator: Enterprise Field Services, LLC PO Box 4324 Houston, TX 77210	OGRID: 241602
	Action Number: 62903
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
rmarcus	None	11/22/2021

APPENDIX B

GROUNDWATER WELL DOCUMENTATION

New Mexico Office of the State Engineer
Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced, O=orphaned, C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters) (In feet)

POD Number	POD Sub-basin Code	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
C 01192	C	ED		2	4	33	22S	26E	566664	3579084*	100		
C 01465	C	ED			2	27	22S	26E	568042	3581339*	116	96	20
C 02168	C	ED	1	3	1	28	22S	26E	565337	3581231*	206	140	66
C 02822	C	ED	2	3	1	33	22S	26E	565543	3579584*	300		
C 02876	C	ED	4	3	2	28	22S	26E	566332	3581028*	505	187	318
C 02964	C	ED	3	3	2	33	22S	26E	566149	3579390*	319		

Average Depth to Water: **141 feet**

Minimum Depth: **96 feet**

Maximum Depth: **187 feet**

Record Count: 6

PLSS Search:

Section(s): 27, 28, 33 **Township:** 22S **Range:** 26E

***UTM location was derived from PLSS - see Help**

National Water Information System: Web Interface

USGS Water Resources

Data Category: Groundwater | Geographic Area: United States | GO

Click to hideNews Bulletins

- Explore the *NEW* USGS National Water Dashboard interactive map to access real-time water data from over 13,500 stations nationwide.
- Full News

Groundwater levels for the Nation

Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

Agency code = usgs

site_no list =

- 322140104174601

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

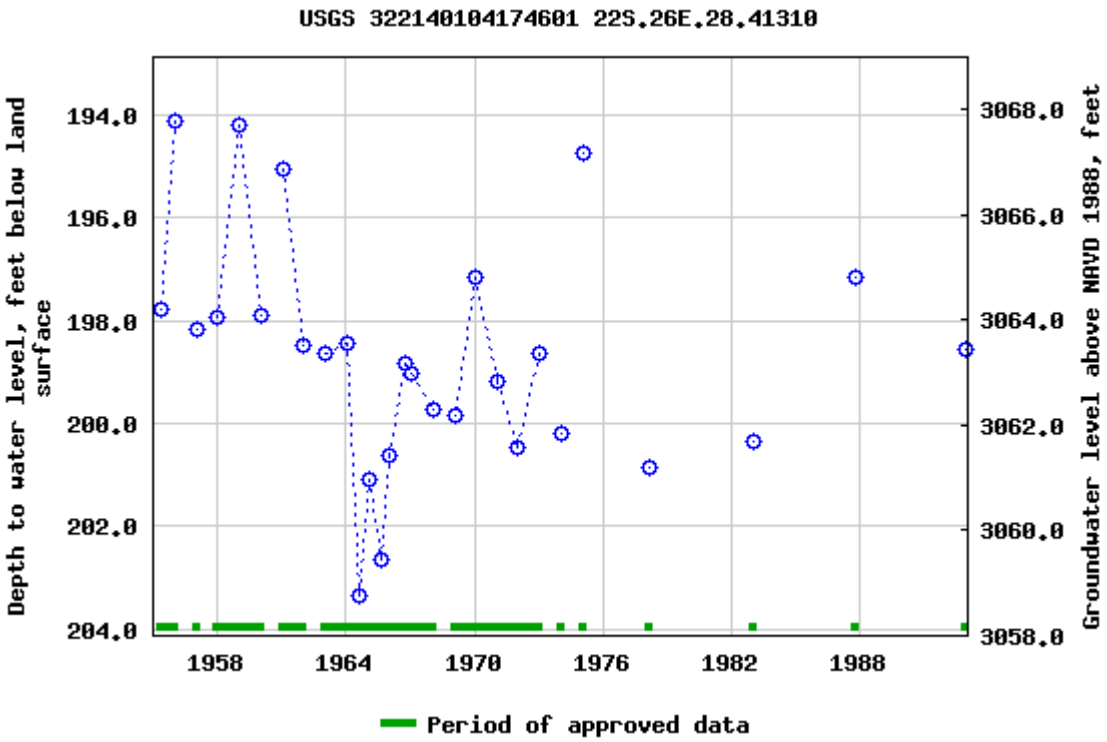
USGS 322140104174601 22S.26E.28.41310

Available data for this site | Groundwater: Field measurements | GO

Eddy County, New Mexico
Hydrologic Unit Code 13060011
Latitude 32°21'40", Longitude 104°17'46" NAD27
Land-surface elevation 3,262 feet above NAVD88
The depth of the well is 580 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Capitan Limestone (313CPTN) local aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period



Breaks in the plot represent a gap of at least one year between field measurements.
Download a presentation-quality graph

Questions about sites/data?
Feedback on this web site
Automated retrievals
Help
Data Tips
Explanation of terms
Subscribe for system changes
News

Title: Groundwater for USA: Water Levels
URL: https://nwis.waterdata.usgs.gov/nwis/gwlevels?

Page Contact Information: USGS Water Data Support Team
Page Last Modified: 2022-04-14 17:26:11 EDT
0.59 0.49 nadww01

National Water Information System: Web Interface

USGS Water Resources

Data Category: Groundwater | Geographic Area: United States | GO

Click to hideNews Bulletins

- Explore the *NEW* USGS National Water Dashboard interactive map to access real-time water data from over 13,500 stations nationwide.
- Full News

Groundwater levels for the Nation

Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

Agency code = usgs

site_no list =

- 322137104175001

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

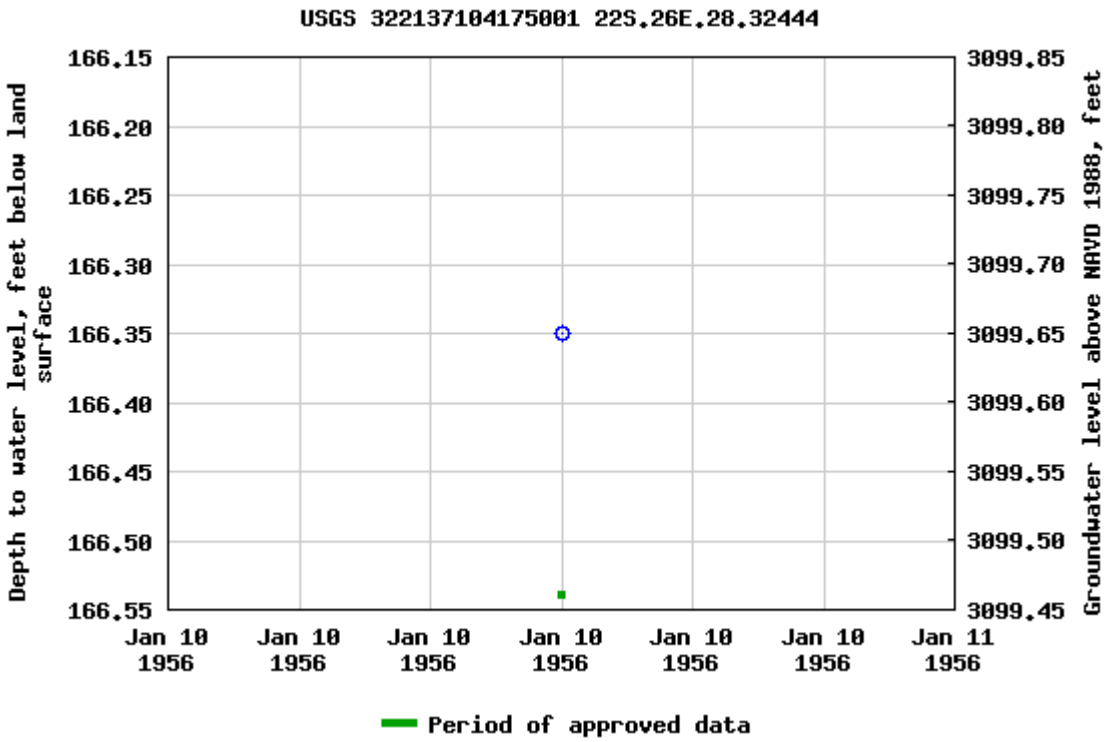
USGS 322137104175001 22S.26E.28.32444

Available data for this site | Groundwater: Field measurements | GO

Eddy County, New Mexico
Hydrologic Unit Code 13060011
Latitude 32°21'37", Longitude 104°17'50" NAD27
Land-surface elevation 3,266 feet above NAVD88
The depth of the well is 248 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Capitan Limestone (313CPTN) local aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period



Breaks in the plot represent a gap of at least one year between field measurements.
Download a presentation-quality graph

Questions about sites/data?
Feedback on this web site
Automated retrievals
Help
Data Tips
Explanation of terms
Subscribe for system changes
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Title: Groundwater for USA: Water Levels
URL: https://nwis.waterdata.usgs.gov/nwis/gwlevels?

Page Contact Information: USGS Water Data Support Team
Page Last Modified: 2022-04-14 17:23:01 EDT
0.57 0.52 nadww01

National Water Information System: Web Interface

USGS Water Resources

Data Category: Groundwater | Geographic Area: United States | GO

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- Explore the *NEW* USGS National Water Dashboard interactive map to access real-time water data from over 13,500 stations nationwide.
- Full News

Groundwater levels for the Nation

Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

site_no list =

- 322117104183501

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

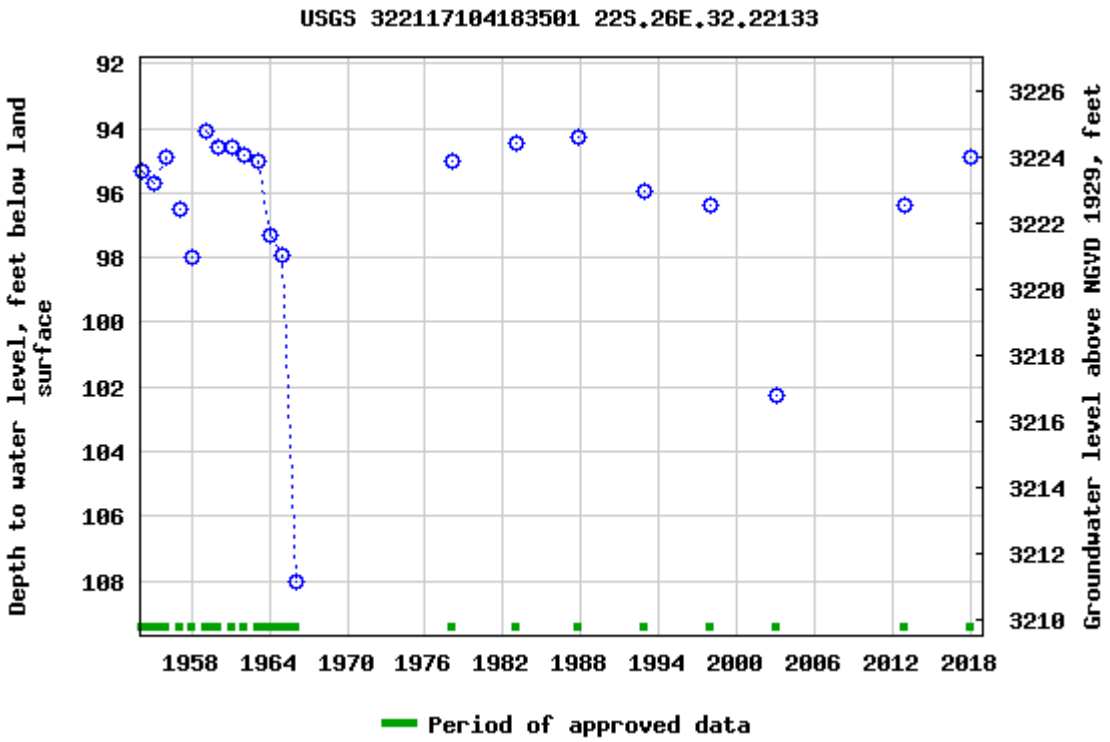
USGS 322117104183501 22S.26E.32.22133

Available data for this site | Groundwater: Field measurements | GO

Eddy County, New Mexico
Hydrologic Unit Code 13060011
Latitude 32°21'13.35", Longitude 104°18'45.57" NAD83
Land-surface elevation 3,319.00 feet above NGVD29
The depth of the well is 140 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period



Breaks in the plot represent a gap of at least one year between field measurements.
Download a presentation-quality graph

Questions about sites/data?
Feedback on this web site
Automated retrievals
Help
Data Tips
Explanation of terms
Subscribe for system changes
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Title: Groundwater for USA: Water Levels
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Page Contact Information: USGS Water Data Support Team
Page Last Modified: 2022-04-14 17:27:30 EDT
0.6 0.53 nadww01

Trans. # 238878

Revised June 1972

466679

STATE ENGINEER OFFICE

WELL RECORD

Section 1. **GENERAL INFORMATION**

(A) Owner of well City of Carlsbad Owner's well No. MW-4

Street or Post Office Address P.O. Box 1569

City and State Carlsbad, NM 88221-1569

Well was drilled under Permit No. C-2876 and is located in the:

a. SE ¼ SW ¼ NE ¼ of Section 28 Township 22S Range 26E N.M.P.M. in Eddy county.

b. Tract No. _____ of Map No. _____ of the _____

c. Lot No. _____ of Block No. _____ of the _____

Subdivision, recorded in _____ County.

d. X= _____ feet, Y= _____ feet, N.M. Coordinate System _____ Zone in the _____ Grant.

(B) Drilling Contractor HydroGeologic Services, Inc. License No. WD 1472

Address 6800 Beverly Hills NE, Albuquerque, NM 87122

Drilling Began 11-07-01 Completed 12-05-01 Type tools Air Rotary Size of hole 6 5/8 in.

Elevation of land surface or 3282 at well is _____ ft. Total depth of well 505 ft.

Completed well is ☐ shallow X artesian. Depth to water upon completion of well 187 ft.

Section 2. **PRINCIPAL WATER-BEARING STRATA**

Depth in Feet		Thickness in Feet	Description of Water Bearing Formation	Estimated Yield (gallons per minute)
From	To			
187	505	318	Fractured Limestone	30

Section 3. **RECORD OF CASING**

Diameter (inches)	Pounds per Foot	Threads per in.	Depth in Feet		Length (feet)	Type of Shoe	Perforations	
			From	To			From	To
6 5/8	13	Plain	+1.5	60	61.5		-	

2002 JUL -1 AM 11:57 STATE ENGINEER OFFICE ROSWELL, NEW MEXICO

Section 4. **RECORED OF MUDDING AND CEMENTING**

Depth in Feet		Hole Diameter	Sacks of Mud	Cubic Feet of Cement	Method of Placement
From	To				

Section S. **PLUGGING RECORD**

Plugging Contractor _____

Address _____

Plugging Method _____

Date Well Plugged _____

Plugging Approved by:

_____
State Engineers Representative

No.	Depth in Feet		Cubic Feet of Cement
	Top	Bottom	
1			
2			
3			
4			

FOR USE OF STATE ENGINEER ONLY

Date Received 07-01-2002

Quad _____ FWL _____ FSL _____

File No. C-2876 Use Monitor Well Location No. 22S.26E.28.234

From	To	in Feet	Color and Type of Material Encountered
0	2	2	Tan/White Sand w/ Gravel
2	38	36	Light Grey Limestone
38	189	151	Dark Grey Limestone
189	505	319	Dark to Light Grey Fractured Limestone

Section 7. **REMARKS AND ADDITIONAL INFORMATION**

The undersigned hereby certifies that, to the best of his/her knowledge and belief, the foregoing is a true and correct record of the above-described hole.

Bill Murray
Driller

INSTRUCTIONS: This form should be executed in triplicate, preferably typewritten, and submitted to the appropriate district office of the State Engineer. All sections, except Section 5, shall be answered as completely and accurately as possible when any well is drilled, repaired or deepened. When this form is used as a plugging record, only Section 1(a) and Section5 need be completed.

Revised June 1972

~~19775~~
468945

STATE ENGINEER OFFICE

WELL RECORD

Section 1. GENERAL INFORMATION

88 OCT 3 PM 12:51

(A) Owner of well Ronald D. Frederick Owner's Well No. C - 2168

Street or Post Office Address 2412 Harding SP. 25

City and State Carlsbad, NM 88220

STATE ENGINEER OFFICE
SANTA FE, NEW MEXICO

Well was drilled under Permit No. _____ and is located in the:

a. _____ ¼ East ¼ _____ ¼ ~~½~~ NE ¼ of Section ~~27~~ 28 Township 22s Range 26E N.M.P.M.

b. Tract No. _____ of Map No. _____ of the _____

c. Lot No. _____ of Block No. _____ of the _____
Subdivision, recorded in _____ County.

d. X= _____ feet, Y= _____ feet, N.M. Coordinate System _____ Zone in the _____ Grant.

(B) Drilling Contractor Jack Ingram License No. WD 591

Address 1523 Hidalgo Rd. Carlsbad, NM 88220

Drilling Began 7-29-88 Completed 8-27-88 Type tools cable Size of hole 10 in.

Elevation of land surface or _____ at well is _____ ft. Total depth of well 206 ft.

Completed well is [X] shallow [ ] artesian. Depth to water upon completion of well 140 ft.

Section 2. PRINCIPAL WATER-BEARING STRATA

Depth in Feet From	Depth in Feet To	Thickness in Feet	Description of Water-Bearing Formation	Estimated Yield (gallons per minute)
198	201	3	Craven No Sample	45 gal
201	206	5	Sand Gravel	5 gal

Section 3. RECORD OF CASING

Diameter (inches)	Pounds per foot	Threads per in.	Depth in Feet Top	Depth in Feet Bottom	Length (feet)	Type of Shoe	Perforations From	Perforations To
7	23	8	0	206	31	N/4	170	206

Section 4. RECORD OF MUDDING AND CEMENTING

Depth in Feet From	Depth in Feet To	Hole Diameter	Sacks of Mud	Cubic Feet of Cement	Method of Placement

Section 5. PLUGGING RECORD

Plugging Contractor _____

Address _____

Plugging Method _____

Date Well Plugged _____

Plugging approved by:

_____
State Engineer Representative

No.	Depth in Feet Top	Depth in Feet Bottom	Cubic Feet of Cement
1			
2			
3			
4			

FOR USE OF STATE ENGINEER ONLY

Date Received **September 6, 1988**

Quad _____ FWL _____ FSL _____

File No. **C-2168** Use **Domestic** Location No. **22.26.28.13123**

Depth in Feet From	Depth in Feet To	Thickness in Feet	Color and Type of Material Encountered
0	10	10	Top soil Brownish
10	70	60	River rocket bolders Greenish
70	75	5	Shale Greenish
75	95	20	Anhy White
95	103	8	Broken lime and Anhy White
105	109	4	Shale Greenish
109	120	11	Porush Linme Brownish
120	130	10	Broken Lime and Anhy Brownish
130	155	25	Broken Lime Brown
155	165	10	Shale Blueish
165	185	20	Broken Lime and Shale Blueish
185	198	16	Hard Lime Gray
198	201	3	Cavern (no sample)
201	206	5	Gravel and Yellow Shale

Section 7. REMARKS AND ADDITIONAL INFORMATION

Gravel pack with quarter inch gravel.

Amount - 6 yards.

STATE ENGINEER
ROSWELL, NM
SEP 6 8 30 AM '88

The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct record of the above described hole.

Jack L. Ingram
Driller

INSTRUCTIONS: This form should be executed in triplicate, preferably typewritten, and submitted to the appropriate district office of the State Engineer. All sections, except Section 5, shall be answered as completely and accurately as possible when any well is drilled, repaired or deepened. When th[redacted] is used as a plugging record, only Section [redacted] and Section 5 need be completed.

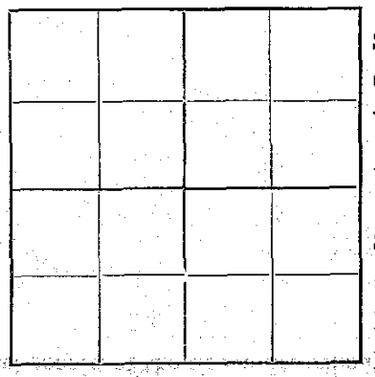
Form WR-23 STATE ENGINEER OFFICE

WELL RECORD 1971 10

SANTA FE 463381

INSTRUCTIONS: This form should be executed in triplicate, preferably typewritten, and submitted to the nearest district office of the State Engineer. All sections, except Section 5, shall be answered as completely and accurately as possible when any well is drilled, repaired or deepened. When this form is used as a plugging record, only Section 1A and Section 5 need be completed.

Section 1



(Plat of 640 acres)

(A) Owner of well J.R Little

Street and Number North Tenth Street

City Carlsbad State New Mexico

Well was drilled under Permit No. C-1465 (2) and is located in the

¼ ¼ NE ¼ of Section 27 Twp. 22 Rge. 26E

(B) Drilling Contractor Emmett Barron License No. 30

Street and Number 307 South Tenth Street

City Carlsbad State New Mexico

Drilling was commenced Feb. 16 19 72

Drilling was completed Feb. 25 19 72

Elevation at top of casing in feet above sea level Total depth of well 116

State whether well is shallow or artesian Shallow Depth to water upon completion 96

Section 2 PRINCIPAL WATER-BEARING STRATA

No.	Depth in Feet From	Depth in Feet To	Thickness in Feet	Description of Water-Bearing Formation
1	90	110	20	Blue lime & some gray lime
2				
3				
4				
5				

Section 3 RECORD OF CASING

Dia in.	Pounds ft.	Threads in	Depth Top	Depth Bottom	Feet	Type Shoe	Perforations From	Perforations To
7" OD	22	10	0	41	41	NONE	NONE	NONE

Section 4 RECORD OF MUDDING AND CEMENTING

Depth in Feet From	Depth in Feet To	Diameter Hole in in.	Tons Clay	No. Sacks of Cement	Methods Used

Section 5 PLUGGING RECORD

Name of Plugging Contractor License No.

Street and Number City State

Tons of Clay used Tons of Roughage used Type of roughage

Plugging method used Date Plugged 19

Plugging approved by:

Basin Supervisor

Cement Plugs were placed as follows:

No.	Depth of Plug From	Depth of Plug To	No. of Sacks Used

FOR USE OF STATE ENGINEER ONLY

Date Received 1972 MAR -6 PM 4:33

File No. C-1465 Use Dom. Location No. 22.26.26.1211

Section 6

LOG OF WELL

Depth in Feet From	Depth in Feet To	Thickness in Feet	Color	Type of Material Encountered
0	5	5	Brown	Top soil
5	20	15	Brown	Loose boulders
20	65	45	Red	Redbed & rock
65	90	25	Yellow	Yellow clay & gravel
90	100	10	Gray	Lime rock and mud
100	112	12	Blue	Blue lime
112	118	6	Gray	Gray lime
				118 Bottom

The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct record of the above described well.

Well Driller

APPENDIX C
FIELD NOTES

APPENDIX D
SAMPLING PROTOCOL

Souder, Miller & Associates ♦ 201 S. Halagueno ♦ Carlsbad, NM 88220
(575) 689-8801

Sampling Protocol

The soil samples were collected in laboratory supplied containers in accordance with this sampling protocol, immediately placed on ice and sent under standard chain-of-custody protocols to Hall Environmental Analysis Laboratory in Albuquerque, New Mexico or Envirotech Laboratory in Farmington, New Mexico for analysis. A selected samples were collected for laboratory analysis for total chloride using EPA Method 300.0; benzene, toluene, ethylbenzene and total xylenes (BTEX) using EPA Method 8021B; and motor, diesel and gasoline range organics (MRO, DRO, and GRO) by EPA Method 8015D.

Sampling Analysis Field Quality Assurance Procedures

A unique sample numbering was used to identify each sample collected and designated for on-site and off-site laboratory analysis. The purpose of this numbering scheme was to provide a tracking system for the retrieval of analytical and field data on each sample. Sample identification numbers were recorded on sample labels or tags, field notes, chain-of-custody records (COC) and all other applicable documentation used during the project. Sample labels were affixed to all sample containers during sampling activities. Information was recorded on each sample container label at the time of sample collection. The information recorded on the labels were as follows: sample identification number; sample type (discrete or composite); site name and area/location number; analysis to be performed; type of chemical preservative present in container; date and time of sample collection; and sample collector's name and initials. All samples were packed in ice in an approved rigid body container, custody sealed signed and shipped to the appropriate laboratory via insured currier service.

COC procedures implemented for the project provided documentation of the handling of each sample from the time of collection until completion of laboratory analysis. A COC form serves as a legal record of possession of the sample. A sample is considered to be under custody if one or more of the following criteria are met: the sample is in the sampler's possession; the sample is in the sampler's view after being in possession; the sample was in the sampler's possession and then was placed into a locked area to prevent tampering; and/or the sample is in a designated secure area. Custody was documented throughout the project field sampling activities by a chain-of custody form initiated each day during which samples are collected. Container custody seals placed on either individual samples or on the rigid body container were used to ensure that no sample tampering occurs between the time the samples are placed into the containers and the time the containers are opened for analysis at the laboratory. Container custody seals were signed and dated by the individual responsible for completing the COC form contained within the container.

APPENDIX E
CORRESPONDENCE

Heather Woods

From: Ashley Maxwell
Sent: Tuesday, August 2, 2022 7:57 PM
To: Heather Woods
Subject: Fwd: 48-Hour Sampling Notification A-18 Lateral (nAPP2131670294)

Sent via the Samsung Galaxy S10, an AT&T 5G Evolution capable smartphone
Get Outlook for Android

From: Ashley Maxwell
Sent: Wednesday, November 17, 2021 2:32:33 PM
To: Enviro, OCD, EMNRD <ocd.enviro@state.nm.us>
Cc: rhdunaway@eprod.com <rhdunaway@eprod.com>; JJHANWAY@eprod.com <jjhanway@eprod.com>; Phillip Smith <phillip.smith@soudermiller.com>; Patrick Braley <patrick.braley@soudermiller.com>
Subject: 48-Hour Sampling Notification A-18 Lateral (nAPP2131670294)

Good Afternoon,

SMA will be onsite on Monday, November 22, 2021, at approximately 7:00 am to collect conformation closure samples for a release on the Enterprise A-18 Lateral (nAPP2131670294) line located at 32.360476 -104.29649. Please consider this your 48-hour notification.

Thanks!
Ashley Maxwell

SMA Since 1985
Stronger Communities by Design
www.soudermiller.com

Ashley Maxwell
Project Scientist

Direct/Mobile: 505.320.8975
Office: 505.325.7535

401 W. Broadway
Farmington, New Mexico 87401

From: Hamlet, Robert, EMNRD
To: Dunaway, Robert
Cc: Mendez, Brenda; Reinermann, Paul; Bratcher, Mike, EMNRD; Nobui, Jennifer, EMNRD; Harimon, Jocelyn, EMNRD
Subject: RE: [EXTERNAL] Extension Request, nAPP2131670294
Date: Wednesday, July 20, 2022 9:16:42 AM

[Use caution with links/attachments]

Robert,

It looks like there has been multiple extensions on this incident. We will at the very least need a Site Assessment/Characterization of the site uploaded to the payment portal before we can grant another extension. Please, explain the delays so we can get a better understanding on the projects status.

Thank you,

Robert Hamlet ● Environmental Specialist - Advanced
Environmental Bureau
EMNRD - Oil Conservation Division
811 S. First Street | Artesia, NM 88210
575.909.0302 | robert.hamlet@state.nm.us
http://www.emnrd.state.nm.us/OCD/

From: Enviro, OCD, EMNRD <OCD.Enviro@state.nm.us>
Sent: Wednesday, July 20, 2022 8:15 AM
To: Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>; Hamlet, Robert, EMNRD <Robert.Hamlet@state.nm.us>; Nobui, Jennifer, EMNRD <Jennifer.Nobui@state.nm.us>; Harimon, Jocelyn, EMNRD <Jocelyn.Harimon@state.nm.us>; Velez, Nelson, EMNRD <Nelson.Velez@state.nm.us>
Subject: Fw: [EXTERNAL] Extension Request, nAPP2131670294

From: Dunaway, Robert <rhdunaway@eprod.com>
Sent: Wednesday, July 20, 2022 6:38 AM
To: Enviro, OCD, EMNRD <OCD.Enviro@state.nm.us>
Cc: Mendez, Brenda <BJMendez@eprod.com>; Reinermann, Paul <PSREINERMANN@eprod.com>
Subject: [EXTERNAL] Extension Request, nAPP2131670294

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Enterprise Field Services is requesting an extension of the A-18 Lateral remediation effort (nAPP2131670294) from 8/8/2022 to 11/8/2022. Per the previous OCD and Enterprise discussions, Enterprise has completed soil boring to fully delineate the site. Lab results are forthcoming. After this, Enterprise will need to consult with the OCD to determine the best path forward to remediating the site.

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APPENDIX F
PHOTOGRAPH LOG

APPENDIX G

LABORATORY ANALYTICAL REPORTS

APPENDIX H
BORING LOGS

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BORING NUMBER BH-1

PAGE 1 OF 1

CLIENT Enterprise Field Services
PROJECT NAME A-18 Lateral
PROJECT NUMBER 5E29921
PROJECT LOCATION Eddy County, New Mexico
DATE STARTED 2/10/22 **COMPLETED** 2/10/22
GROUND ELEVATION _____ **HOLE SIZE** 3.25-inches
DRILLING CONTRACTOR JR Drilling, LLC.
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe/Sonic
AT TIME OF DRILLING ---
LOGGED BY HW **CHECKED BY** HW
AT END OF DRILLING ---
NOTES 32.36040, -104.29655
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	ENVIRONMENTAL DATA	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
0.0	NR			(SC-SM) Clayey Silty Sand with gravel, trace cobbles, brown with light gray gravel and cobbles, dry to slightly moist	
13.5				Refusal at 13.5 feet. Bottom of borehole at 13.5 feet.	

ENVIRONMENTAL BH - GINT STD US.GDT - 3/8/22 13:44 - C:\USERS\PUBLIC\DOCUMENTS\BENTLEY\GINTCL\PROJECTS\GINT STD US.GPJ

Souder, Miller & Associates
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BORING NUMBER BH-2

CLIENT Enterprise Field Services
PROJECT NAME A-18 Lateral
PROJECT NUMBER 5E29921
PROJECT LOCATION Eddy County, New Mexico
DATE STARTED 2/10/22 **COMPLETED** 2/10/22
GROUND ELEVATION _____ **HOLE SIZE** 3.25-inches
DRILLING CONTRACTOR JR Drilling, LLC.
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
AT TIME OF DRILLING ---
LOGGED BY HW **CHECKED BY** HW
AT END OF DRILLING ---
NOTES 32.36041, -104.29660
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	ENVIRONMENTAL DATA	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
0.0				(CL-ML) Clayey Silt, brown, dry	
				2.0	
2.5	RC	PID = 1.0		(CH) Fat Clay, trace gravel, brown with light gray gravel, slightly moist	
5.0	RC	PID = 3.4		6.0	
7.5	RC	PID = 3.1		(SP) Gravelly Sand with Silt, gray with light gray gravel, slightly moist	
	RC	PID = 23.3 TPH = <95.0			
10.0				10.5	
	RC	PID = 1753 TPH = 340		(CL-ML) Silty Clay, trace sand, lenses of gravel, reddish tan with light gray gravel, slightly moist	
				11.5	

Refusal at 11.5 feet.
Bottom of borehole at 11.5 feet.

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BORING NUMBER BH-3

PAGE 1 OF 1

CLIENT Enterprise Field Services
PROJECT NAME A-18 Lateral
PROJECT NUMBER 5E29921
PROJECT LOCATION Eddy County, New Mexico
DATE STARTED 2/10/22 **COMPLETED** 2/10/22
GROUND ELEVATION **HOLE SIZE** 3.25-inches
DRILLING CONTRACTOR JR Drilling, LLC.
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
AT TIME OF DRILLING ---
LOGGED BY HW **CHECKED BY** HW
AT END OF DRILLING ---
NOTES 32.36037, -104.29651
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	ENVIRONMENTAL DATA	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
0.0				(CL-ML) Clayey Silt, brown, dry	
2.5	RC	PID = 0.7	2.0	(CH) Fat Clay, trace gravel, brown with light gray gravel, slightly moist	
5.0	RC	PID = 0.9	4.0	(SP) Gravelly Sand with Silt, gray with white gravel, slightly moist	
7.5	RC	PID = 1.8 TPH = <95.0			
10.0	RC	PID = 0.2 TPH = <95.0	9.5	(CL-ML) Silty Clay, trace sand, lenses of gravel, reddish tan with light gray gravel, slightly moist	
			11.0		

Refusal at 11.0 feet.
Bottom of borehole at 11.0 feet.

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BORING NUMBER BH-4

PAGE 1 OF 1

CLIENT Enterprise Field Services
PROJECT NAME A-18 Lateral
PROJECT NUMBER 5E29921
PROJECT LOCATION Eddy County, New Mexico
DATE STARTED 2/10/22 **COMPLETED** 2/10/22
GROUND ELEVATION _____ **HOLE SIZE** 3.25-inches
DRILLING CONTRACTOR JR Drilling, LLC.
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
AT TIME OF DRILLING ---
LOGGED BY HW **CHECKED BY** HW
AT END OF DRILLING ---
NOTES 32.36043, -104.29663
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	ENVIRONMENTAL DATA	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
0.0				(CL-ML) Clayey Silt, brown, dry	
2.0					
2.5	RC	PID = 1.6		(SP) Gravelly Sand with Silt, gray with white gravel, slightly moist	
5.0	RC	PID = 3.7			
7.5					
10.0	RC	PID = 6.8 TPH = <95.0			
11.0				(CL-ML) Silty Clay, trace sand, lenses of gravel, reddish tan with white gravel, slightly moist	
12.5	RC	PID = 98.2 TPH = <95.0			
13.5				Refusal at 13.5 feet. Bottom of borehole at 13.5 feet.	

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BORING NUMBER BH-5

PAGE 1 OF 1

CLIENT Enterprise Field Services
PROJECT NAME A-18 Lateral
PROJECT NUMBER 5E29921
PROJECT LOCATION Eddy County, New Mexico
DATE STARTED 4/5/22 **COMPLETED** 4/5/22
GROUND ELEVATION _____ **HOLE SIZE** 6-inches
DRILLING CONTRACTOR Talon/LPE, Ltd.
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe/Sonic
AT TIME OF DRILLING ---
LOGGED BY HW **CHECKED BY** HW
AT END OF DRILLING ---
NOTES 32.360416, -104.29654
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	ENVIRONMENTAL DATA	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
0				(SC-SM) Clayey Silty Sand with gravel, trace cobbles, brown with light gray gravel and cobbles, dry to slightly moist, no odor to slight odor, no staining	
5	NR				
10					
				13.0	
15	RC	PID = 1333 TPH = 4502		Dolomite interbedded with Siltstone, beds typically 1 to 3 feet thick, light gray dolomite and tan siltstone, dry to slightly moist, slight to moderate odor, slight to moderate staining	
	RC	PID = 1539 TPH = 2447			
20	RC	PID = 1247 TPH = 2970			
				24.0	
	RC	PID = 1778 TPH = 617		Refusal at 24.0 feet. Bottom of borehole at 24.0 feet.	

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BORING NUMBER BH-6

CLIENT Enterprise Field Services
PROJECT NAME A-18 Lateral
PROJECT NUMBER 5E29921
PROJECT LOCATION Eddy County, New Mexico
DATE STARTED 4/5/22 **COMPLETED** 4/5/22
GROUND ELEVATION _____ **HOLE SIZE** 6-inches
DRILLING CONTRACTOR Talon/LPE, Ltd.
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe/Sonic
AT TIME OF DRILLING ---
LOGGED BY HW **CHECKED BY** HW
AT END OF DRILLING ---
NOTES 32.36032, -104.29661
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	ENVIRONMENTAL DATA	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
0				(CL-ML) Clayey Silt, brown, dry to moist, no odor, no staining	
	RC	PID = 30.8			
5			5.0		
	RC	PID = 7.5		Dolomite, light gray, dry, no odor, no staining, appears weathered	
	RC	PID = 4.6	8.0		
				Mudstone, brown, moist to dry, no odor, no staining, appears weathered	
10	RC	PID = 4.2	10.5		
				Dolomite with minor siltstone lenses, light gray dolomite and tan siltstone, dry to slightly moist, no odor to slight odor, no staining to slight staining	
	RC	PID = 8.0 TPH = <95.0			
	RC	PID = 6.4			
15			15.0		
	RC	PID = 4.1 TPH = 305		Refusal at 15.0 feet. Bottom of borehole at 15.0 feet.	

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BORING NUMBER BH-7

PAGE 1 OF 1

CLIENT Enterprise Field Services
PROJECT NAME A-18 Lateral
PROJECT NUMBER 5E29921
PROJECT LOCATION Eddy County, New Mexico
DATE STARTED 4/6/22 **COMPLETED** 4/6/22
GROUND ELEVATION _____ **HOLE SIZE** 6-inches
DRILLING CONTRACTOR Talon/LPE, Ltd.
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe/Sonic
AT TIME OF DRILLING ---
LOGGED BY HW **CHECKED BY** HW
AT END OF DRILLING ---
NOTES 32.36037, -104.29657
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	ENVIRONMENTAL DATA	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
0	NR			(SC-SM) Clayey Silty Sand with gravel, trace cobbles, brown with light gray gravel and cobbles, dry to slightly moist, no odor to slight odor, no staining	
5	RC	PID = 5.8			
8.0					
10	RC	PID = 4.8		Dolomite interbedded with Siltstone, beds typically 1 to 3 feet thick, light gray dolomite with tan siltstone, dry to slightly moist, slight to heavy odor, slight to moderate staining, top of unit appears weathered	
	RC	PID = 1104			
	RC	PID = 432.6			
15	RC	PID = 1069			
	RC	PID = 4717 TPH = 292			
20	RC	PID = 3263			
	RC	PID = 5000			
	RC	TPH = 390			
	RC	PID = 5000			
		PID = 5000			
	RC	PID = 4042			
25	RC	PID = 4300			
	RC	TPH = 787			
	RC	PID = 5000			
	RC	TPH = 1618			
28.0					
	RC	PID = 3847		Refusal at 28.0 feet. Bottom of borehole at 28.0 feet.	
		PID = 2587			
		PID = 4680 TPH = 153			

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BORING NUMBER BH-8

CLIENT Enterprise Field Services
PROJECT NAME A-18 Lateral
PROJECT NUMBER 5E29921
PROJECT LOCATION Eddy County, New Mexico
DATE STARTED 7/6/22 **COMPLETED** 7/22/22
GROUND ELEVATION _____ **HOLE SIZE** 2-inches to 7.25-inches
DRILLING CONTRACTOR Enviro-Drill, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Hollow Stem Auger/Rock Coring/Air Rotary
AT TIME OF DRILLING ---
LOGGED BY HW **CHECKED BY** HW
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	ENVIRONMENTAL DATA	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
0				(SC-SM) Clayey Silty Sand with gravel, trace cobbles, brown with light gray gravel and cobbles, dry to slightly moist, no odor to slight odor, no staining	
13.5				Dolomite interbedded with Siltstone, light gray dolomite with tan siltstone, dry to slightly moist, slight to heavy odor, no staining to slight staining in fractures and vugs, vugs often 1 to 5 mm in size in lenses approx. 0.5 to 1 foot in thickness at 1 to 3 foot intervals throughout.	
20	SS	PID = 1400 TPH = 1256			

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BORING NUMBER BH-8

CLIENT Enterprise Field Services **PROJECT NAME** A-18 Lateral

PROJECT NUMBER 5E29921 **PROJECT LOCATION** Eddy County, New Mexico

DEPTH (ft)	SAMPLE TYPE NUMBER	ENVIRONMENTAL DATA	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
25	SS	PID = 4700 TPH = 709		Dolomite interbedded with Siltstone, light gray dolomite with tan siltstone, dry to slightly moist, slight to heavy odor, no staining to slight staining in fractures and vugs, vugs often 1 to 5 mm in size in lenses approx. 0.5 to 1 foot in thickness at 1 to 3 foot intervals throughout. *(continued)*	
30	SS	PID = 3506 TPH = 499		30.5 Dolomite interbedded with Siltstone, light gray dolomite with tan siltstone, dry to slightly moist, slight to no odor, no staining to slight staining in fractures and vugs, vugs less common and typically 1 to 3 mm, occasionally as much as 5mm.	
	RC	PID = 109.3			
	RC	TPH = 132			
	RC	PID = 620 TPH = 174			
		PID = 111 TPH = 41			
35	RC	PID = 23.2			
	RC	PID = 192 TPH = <95.0			
40	RC	PID = 25.9			
	RC	PID = 80.5			
	RC	PID = 29.7			
	RC	PID = 30.3			
	RC	PID = 174 TPH = <95.0			
	RC	PID = 44.1			
45	RC	PID = 82.9			
	RC	PID = 163.2 TPH = <95.0			
	RC	PID = 94.6			
	RC	PID = 73.2			
	RC	PID = 30			
	RC	PID = 178			
	RC	PID = 285 TPH = 48.5			
	RC	PID = 31.5			
50	RC	PID = 15.6			
	RC	PID = 23.9			
	RC	PID = 31.5			
	RC	PID = 5.4 TPH = 55.0			
		PID = 20.3 TPH = <65.0			

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BORING NUMBER BH-8

CLIENT Enterprise Field Services **PROJECT NAME** A-18 Lateral

PROJECT NUMBER 5E29921 **PROJECT LOCATION** Eddy County, New Mexico

DEPTH (ft)	SAMPLE TYPE NUMBER	ENVIRONMENTAL DATA	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
55	GB	PID = 17.7 TPH = <68		Dolomite interbedded with Siltstone, light gray dolomite with tan siltstone, dry to slightly moist, slight to no odor, no staining to slight staining in fractures and vugs, vugs less common and typically 1 to 3 mm, occasionally as much as 5mm. *(continued)*	
	GB	PID = 7.6 TPH = <68			
	GB	PID = 8.1 TPH = <56			
	GB	PID = 9.8			
60	GB	PID = 2.8			
	GB	PID = 20.7 TPH = <59			
	GB	PID = 14.5			
65	GB	PID = 105 TPH = 180			
	GB	PID = 10.1			
	GB	PID = 64.8 TPH = <59			
70	GB	PID = 17.3			
	GB	PID = 16 TPH = <61			
75	GB	PID = 9.2			
	GB	PID = 40.1 TPH = <64			
80	GB	PID = 53.6 TPH = 16			

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BORING NUMBER BH-8

CLIENT Enterprise Field Services **PROJECT NAME** A-18 Lateral

PROJECT NUMBER 5E29921 **PROJECT LOCATION** Eddy County, New Mexico

DEPTH (ft)	SAMPLE TYPE NUMBER	ENVIRONMENTAL DATA	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
85	GB	PID = 9.8		Dolomite interbedded with Siltstone, light gray dolomite with tan siltstone, dry to slightly moist, slight to no odor, no staining to slight staining in fractures and vugs, vugs less common and typically 1 to 3 mm, occasionally as much as 5mm. *(continued)*	
	GB	PID = 3.8			
90	GB	PID = 12.4 TPH = <62			
	GB	PID = 5.1 TPH = <66			
95	GB	PID = 1.9 TPH = <67			
	GB	PID = 7.7 TPH = <65			
100	GB	PID = 4.9 TPH = <64			
	GB	PID = 8.5 TPH = <67	101.0		

Bottom of borehole at 101.0 feet.

Note: No groundwater measured after leaving borehole open at 51' bgs for more than 72 hours. No groundwater measured after leaving borehole open 24 hours at 101' bgs.

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BORING NUMBER BH-9

CLIENT Enterprise Field Services
PROJECT NAME A-18 Lateral
PROJECT NUMBER 5E29921
PROJECT LOCATION Eddy County, New Mexico
DATE STARTED 7/7/22 **COMPLETED** 7/7/22
GROUND ELEVATION _____ **HOLE SIZE** 2-inches to 7.25-inches
DRILLING CONTRACTOR Enviro-Drill, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Hollow Stem Auger/Rock Coring/Air Rotary
AT TIME OF DRILLING ---
LOGGED BY HW **CHECKED BY** HW
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	ENVIRONMENTAL DATA	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
0				(SC-SM) Clayey Silty Sand with gravel, trace cobbles, brown with light gray gravel and cobbles, dry to slightly moist, no odor, no staining	
5	SS	PID = 0.9			
7.0				Dolomite interbedded with Siltstone, light gray dolomite with tan siltstone, dry to slightly moist, no odor, no staining, vugs often 1 to 5 mm in size in lenses approx. 0.5 to 1 foot in thickness at 1 to 3 foot intervals throughout.	
10	SS	PID = 1.0			
15	SS	PID = 1.6			
20	SS	PID = 2.8 TPH = <65			
25					

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BORING NUMBER BH-9

CLIENT Enterprise Field Services **PROJECT NAME** A-18 Lateral

PROJECT NUMBER 5E29921 **PROJECT LOCATION** Eddy County, New Mexico

DEPTH (ft)	SAMPLE TYPE NUMBER	ENVIRONMENTAL DATA	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
25	SS	PID = 0		Dolomite interbedded with Siltstone, light gray dolomite with tan siltstone, dry to slightly moist, no odor, no staining, vugs often 1 to 5 mm in size in lenses approx. 0.5 to 1 foot in thickness at 1 to 3 foot intervals throughout. *(continued)*	
	SS	PID = 0			
	SS	PID = 0			
30	RC	PID = 0			
	RC	PID = 0			
	RC	PID = 0			
	RC	PID = 0			
	RC	PID = 0			
	RC	PID = 0			
	RC	PID = 0			
	RC	PID = 0			
35	RC	PID = 0	35.0		
	RC	PID = 0		Dolomite interbedded with Siltstone, light gray dolomite with tan siltstone, dry to slightly moist, no odor, no staining, vugs less common and typically 1 to 3 mm, occasionally as much as 5mm.	
	RC	TPH = <61			
	RC	PID = 0			
		PID = 0			
	RC	PID = 0			
		PID = 0			
	RC	PID = 0			
40	RC	PID = 0	40.0		
	RC	PID = 0			
	RC	PID = 0			
	RC	PID = 0			
	RC	PID = 0			
	RC	PID = 0			
	RC	PID = 0			
	RC	PID = 0			
	RC	PID = 0			
45	RC	PID = 0			
	RC	PID = 0			
		PID = 0			
		TPH = 26			

Bottom of borehole at 45.0 feet.

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BORING NUMBER BH-10

CLIENT Enterprise Field Services
PROJECT NAME A-18 Lateral
PROJECT NUMBER 5E29921
PROJECT LOCATION Eddy County, New Mexico
DATE STARTED 7/7/22 **COMPLETED** 7/7/22
GROUND ELEVATION _____ **HOLE SIZE** 2-inches to 7.25-inches
DRILLING CONTRACTOR Enviro-Drill, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Hollow Stem Auger/Rock Coring
AT TIME OF DRILLING ---
LOGGED BY HW **CHECKED BY** HW
AT END OF DRILLING ---
NOTES Borehole collapsed at 40 feet.
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	ENVIRONMENTAL DATA	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
0				(SC-SM) Clayey Silty Sand with gravel, trace cobbles, brown with light gray gravel and cobbles, dry to slightly moist, no odor, no staining	
5	SS	PID = 0			
10				10.0	
	SS	PID = 0 TPH = <62		Dolomite interbedded with Siltstone, light gray dolomite with tan siltstone, dry to slightly moist, no odor, no staining, vugs often 1 to 5 mm in size in lenses approx. 0.5 to 1 foot in thickness at 1 to 3 foot intervals throughout.	
15	SS	PID = 0 TPH = <67			
20	SS	PID = 0			
25					

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BORING NUMBER BH-10

CLIENT Enterprise Field Services **PROJECT NAME** A-18 Lateral

PROJECT NUMBER 5E29921 **PROJECT LOCATION** Eddy County, New Mexico

DEPTH (ft)	SAMPLE TYPE NUMBER	ENVIRONMENTAL DATA	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
25	SS	PID = 0		Dolomite interbedded with Siltstone, light gray dolomite with tan siltstone, dry to slightly moist, no odor, no staining, vugs often 1 to 5 mm in size in lenses approx. 0.5 to 1 foot in thickness at 1 to 3 foot intervals throughout. *(continued)*	
30	SS	PID = 0			
	RC	PID = 0			
	RC	TPH = <67			
	RC	PID = 0			
	RC	PID = 0			
		PID = 0			
	RC	PID = 0			
	RC	PID = 0			
	RC	PID = 0			
35	RC	PID = 0	35.0		
		TPH = <61		Dolomite interbedded with Siltstone, light gray dolomite with tan siltstone, dry to slightly moist, no odor, no staining, vugs less common and typically 1 to 3 mm, occasionally as much as 5mm.	
		PID = 0			
	RC	PID = 0			
	RC	PID = 0			
	RC	PID = 0			
	RC	PID = 0			
	RC	PID = 0			
	RC	PID = 0			
	RC	PID = 0			
40	RC	PID = 0	40.0		
		PID = 0		Bottom of borehole at 40.0 feet.	
		TPH = <59			

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BORING NUMBER BH-11

CLIENT Enterprise Field Services
PROJECT NAME A-18 Lateral
PROJECT NUMBER 5E29921
PROJECT LOCATION Eddy County, New Mexico
DATE STARTED 7/11/22 **COMPLETED** 7/13/22
GROUND ELEVATION _____ **HOLE SIZE** 2-inches to 7.25-inches
DRILLING CONTRACTOR Enviro-Drill, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Hollow Stem Auger/Rock Coring/Air Rotary
AT TIME OF DRILLING ---
LOGGED BY HW **CHECKED BY** HW
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	ENVIRONMENTAL DATA	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
0				(SC-SM) Clayey Silty Sand with gravel, trace cobbles, brown with light gray gravel and cobbles, dry to slightly moist, no odor, no staining	
3.0				Dolomite interbedded with Siltstone, light gray dolomite with tan siltstone, dry to slightly moist, no odor, no staining to discoloration in fractures and vugs, vugs often 1 to 5 mm in size in lenses approx. 0.5 to 1 foot in thickness at 1 to 3 foot intervals throughout.	
5	SS	PID = 1.7			
10	SS	PID = 1.7			
15	SS	PID = 4.2 TPH = <68			
20	SS	PID = 1.0 TPH = <67			
25					

ENVIRONMENTAL BH - GINT STD US.GDT - 3/8/22 14:03 - C:\USERS\PUBLIC\DOCUMENTS\BENTLEY\GINTCL\PROJECTS\GINT STD US.GPJ

(Continued Next Page)

Souder, Miller & Associates
3500 Sedona Hills Parkway
Las Cruces, NM 88011
Telephone: 575-647-0799
Fax: 575-647-0680

BORING NUMBER BH-11

CLIENT Enterprise Field Services **PROJECT NAME** A-18 Lateral

PROJECT NUMBER 5E29921 **PROJECT LOCATION** Eddy County, New Mexico

DEPTH (ft)	SAMPLE TYPE NUMBER	ENVIRONMENTAL DATA	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
25	SS	PID = 1.5		Dolomite interbedded with Siltstone, light gray dolomite with tan siltstone, dry to slightly moist, no odor, no staining to discoloration in fractures and vugs, vugs often 1 to 5 mm in size in lenses approx. 0.5 to 1 foot in thickness at 1 to 3 foot intervals throughout. *(continued)*	
30	RC	PID = 0			
	RC	PID = 0			
	RC	PID = 0			
	RC	TPH = <59			
	RC	PID = 0			
	RC	PID = 0			
	RC	PID = 0			
35	RC	PID = 0			
	RC	PID = 0			
	RC	TPH = <61			
		PID = 0			
		PID = 0			
	RC	PID = 0			
		PID = 24.0			
40		TPH = 620	40.0		
	RC	PID = 18.1		Dolomite interbedded with Siltstone, light gray dolomite with tan siltstone, dry to slightly moist, no odor, no staining, vugs less common and typically 1 to 3 mm, occasionally as much as 5mm.	
		TPH = 240			
45					
	RC	PID = 3.5			
		TPH = 197			
50			50.0		
				Bottom of borehole at 50.0 feet.	

ENVIRONMENTAL BH - GINT STD US.GDT - 3/8/22 14:03 - C:\USERS\PUBLIC\DOCUMENTS\BENTLEY\GINTCL\PROJECTS\GINT STD US.GPJ

Souder, Miller & Associates
3500 Sedona Hills Parkway
Las Cruces, NM 88011
Telephone: 575-647-0799
Fax: 575-647-0680

BORING NUMBER BH-12

CLIENT Enterprise Field Services
PROJECT NAME A-18 Lateral
PROJECT NUMBER 5E29921
PROJECT LOCATION Eddy County, New Mexico
DATE STARTED 7/11/22 **COMPLETED** 7/13/22
GROUND ELEVATION _____ **HOLE SIZE** 2-inches to 7.25-inches
DRILLING CONTRACTOR Enviro-Drill, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Hollow Stem Auger/Rock Coring
AT TIME OF DRILLING ---
LOGGED BY HW **CHECKED BY** HW
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	ENVIRONMENTAL DATA	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
0.0				(SC-SM) Clayey Silty Sand with gravel, trace cobbles, brown with light gray gravel and cobbles, dry to slightly moist, no odor, no staining	
3.0				Dolomite interbedded with Siltstone, light gray dolomite with tan siltstone, dry to slightly moist, no odor, no staining, vugs often 1 to 5 mm in size in lenses approx. 0.5 to 1 foot in thickness at 1 to 3 foot intervals throughout.	
5.0	SS	PID = 2.9 TPH = <65			
10.0	SS	PID = 2.0			
15.0					

ENVIRONMENTAL BH - GINT STD US.GDT - 3/8/22 14:22 - C:\USERS\PUBLIC\DOCUMENTS\BENTLEY\GINTCL\PROJECTS\GINT STD US.GPJ

(Continued Next Page)

Souder, Miller & Associates
3500 Sedona Hills Parkway
Las Cruces, NM 88011
Telephone: 575-647-0799
Fax: 575-647-0680

BORING NUMBER BH-12

CLIENT Enterprise Field Services **PROJECT NAME** A-18 Lateral

PROJECT NUMBER 5E29921 **PROJECT LOCATION** Eddy County, New Mexico

DEPTH (ft)	SAMPLE TYPE NUMBER	ENVIRONMENTAL DATA	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
15.0	SS	PID = 1.7 TPH = 28		Dolomite interbedded with Siltstone, light gray dolomite with tan siltstone, dry to slightly moist, no odor, no staining, vugs often 1 to 5 mm in size in lenses approx. 0.5 to 1 foot in thickness at 1 to 3 foot intervals throughout. *(continued)*	
17.5					
20.0	SS	PID = 1.6			
22.5					
25.0	SS	PID = 0			
	RC	PID = 0			
	RC	PID = 0.7			
	RC	PID = 0.7			
	RC	TPH = <62			
27.5		PID = 0			
	RC	PID = 0			
	RC	PID = 0			
30.0	RC	PID = 0.3			
	RC	PID = 1.1 TPH = <63			
	RC	PID = 0.2			
		PID = 0.2			

ENVIRONMENTAL BH - GINT STD US.GDT - 3/8/22 14:22 - C:\USERS\PUBLIC\DOCUMENTS\BENTLEY\GINTCL\PROJECTS\GINT STD US.GPJ

(Continued Next Page)

Souder, Miller & Associates
3500 Sedona Hills Parkway
Las Cruces, NM 88011
Telephone: 575-647-0799
Fax: 575-647-0680

BORING NUMBER BH-12

CLIENT Enterprise Field Services **PROJECT NAME** A-18 Lateral

PROJECT NUMBER 5E29921 **PROJECT LOCATION** Eddy County, New Mexico

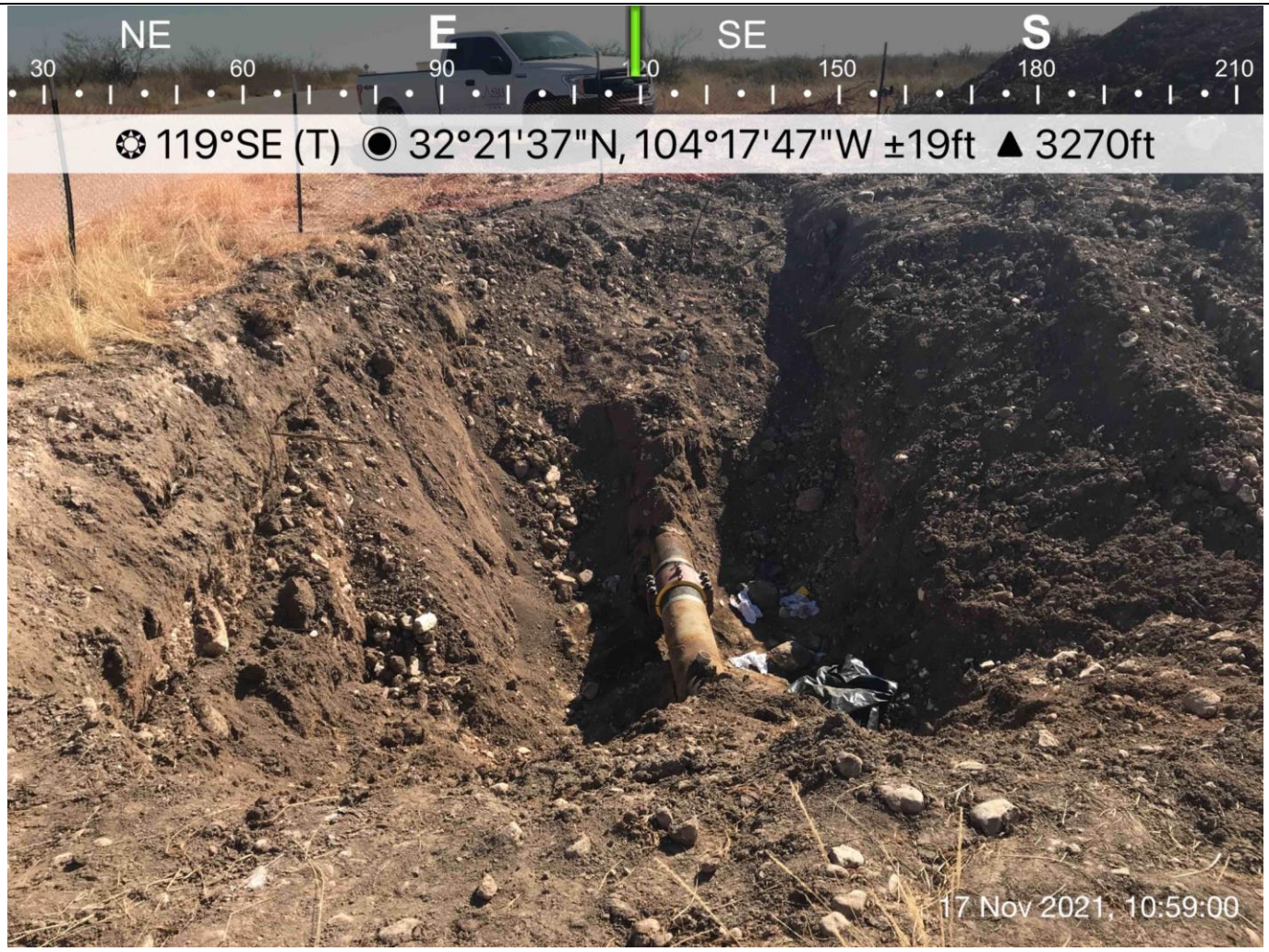
DEPTH (ft)	SAMPLE TYPE NUMBER	ENVIRONMENTAL DATA	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
32.5	RC			Dolomite interbedded with Siltstone, light gray dolomite with tan siltstone, dry to slightly moist, no odor, no staining, vugs often 1 to 5 mm in size in lenses approx. 0.5 to 1 foot in thickness at 1 to 3 foot intervals throughout. *(continued)*	
	RC	PID = 0.4			
	RC	PID = 0.2			
	RC	PID = 0.2			
	RC	PID = 0.5			
35.0	RC	PID = 0.5			
	RC	PID = 0.6			
	RC	PID = 0.8			
	RC	TPH = <65			
		PID = 0			
	RC	PID = 0.7			
37.5	RC	PID = 0.8			
	RC	PID = 0			
	RC	PID = 0.8			
		TPH = <67			
	RC	PID = 0.4			
	RC	PID = 0.5			
40.0				40.0	
	RC	PID = 0		Dolomite interbedded with Siltstone, light gray dolomite with tan siltstone, dry to slightly moist, no odor, no staining, vugs less common and typically 1 to 3 mm, occasionally as much as 5mm.	
	RC	PID = 0			
	RC	PID = 0.5			
	RC	PID = 0			
	RC	PID = 0			
	RC	TPH = <63			
42.5	RC	PID = 0			
	RC	PID = 0			
	RC	PID = 0			
	RC	PID = 0			
	RC	PID = 0			
	RC	PID = 0			
	RC	PID = 0			
		PID = 0			
		PID = 0			
		TPH = <59			
				44.0	

Bottom of borehole at 44.0 feet.

ENVIRONMENTAL BH - GINT STD US.GDT - 3/8/22 14:22 - C:\USERS\PUBLIC\DOCUMENTS\BENTLEY\GINTCL\PROJECTS\GINT STD US.GPJ

APPENDIX F
PHOTOGRAPH LOG

Photograph Log
A-18 Lateral
Enterprise Field Services LLC

Photograph #1	
Client: Enterprise Field Services	
Site Name: A-18 Lateral	
Date Photo Taken: November 17, 2021	
Release Location: N32.360476, W104.29649 J-Sec 28-T22S-R26E Eddy County, New Mexico	
Photo Taken by: Pat Braley	Description: Facing southeast, view of the repair excavation on November 17, 2021.

Photograph Log
A-18 Lateral
Enterprise Field Services LLC

Photograph #2	
Client: Enterprise Field Services	
Site Name: A-18 Lateral	
Date Photo Taken: November 17, 2021	
Release Location: N32.360476, W104.29649 J-Sec 28-T22S-R26E Eddy County, New Mexico	
Photo Taken by: Pat Braley	Description: Facing south-southwest, view of the repair excavation on November 17, 2021.

Photograph Log
A-18 Lateral
Enterprise Field Services LLC

Photograph #3	
Client: Enterprise Field Services	
Site Name: A-18 Lateral	
Date Photo Taken: November 22, 2021	
Release Location: N32.360476, W104.29649 J-Sec 28-T22S-R26E Eddy County, New Mexico	
Photo Taken by: Pat Braley	Description: Facing east, view of the excavation on November 22, 2021.

Photograph Log
A-18 Lateral
Enterprise Field Services LLC

Photograph #4	
Client: Enterprise Field Services	
Site Name: A-18 Lateral	
Date Photo Taken: November 22, 2021	
Release Location: N32.360476, W104.29649 J-Sec 28-T22S-R26E Eddy County, New Mexico	
Photo Taken by: Pat Braley	Description: Facing southeast, view of the excavation on November 22, 2021.

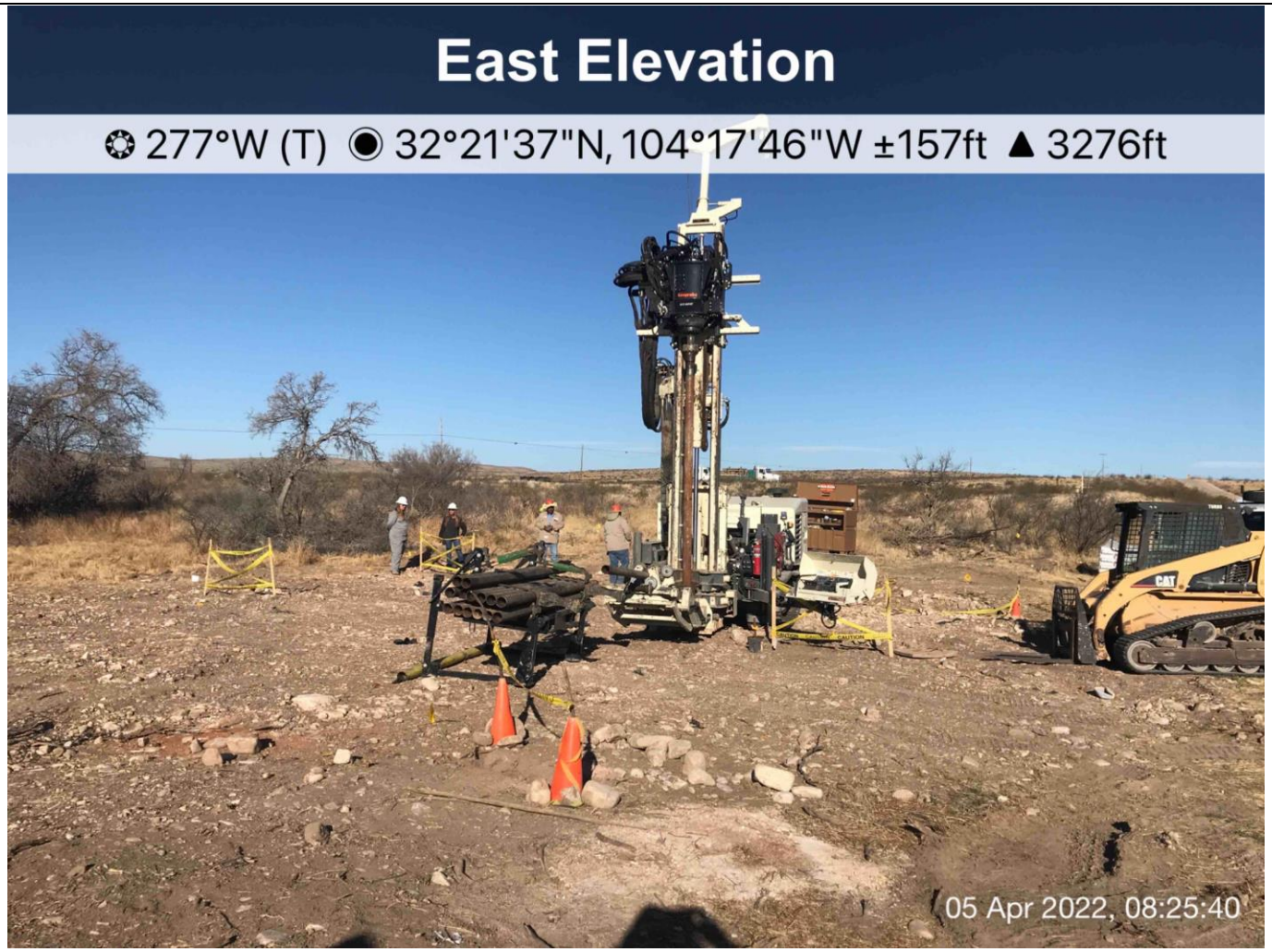
Photograph Log
A-18 Lateral
Enterprise Field Services LLC

Photograph #5	
Client: Enterprise Field Services	
Site Name: A-18 Lateral	
Date Photo Taken: December 2, 2021	
Release Location: N32.360476, W104.29649 J-Sec 28-T22S-R26E Eddy County, New Mexico	
Photo Taken by: Pat Braley	Description: Facing southwest, view of the excavation and sampling locations on December 2, 2021.

Photograph Log
A-18 Lateral
Enterprise Field Services LLC

Photograph #6	
Client: Enterprise Field Services	
Site Name: A-18 Lateral	
Date Photo Taken: February 10, 2022	
Release Location: N32.360476, W104.29649 J-Sec 28-T22S-R26E Eddy County, New Mexico	
Photo Taken by: Sarahmay Schlea	Description: Facing southwest, view of the Geoprobe rig on February 10, 2022.

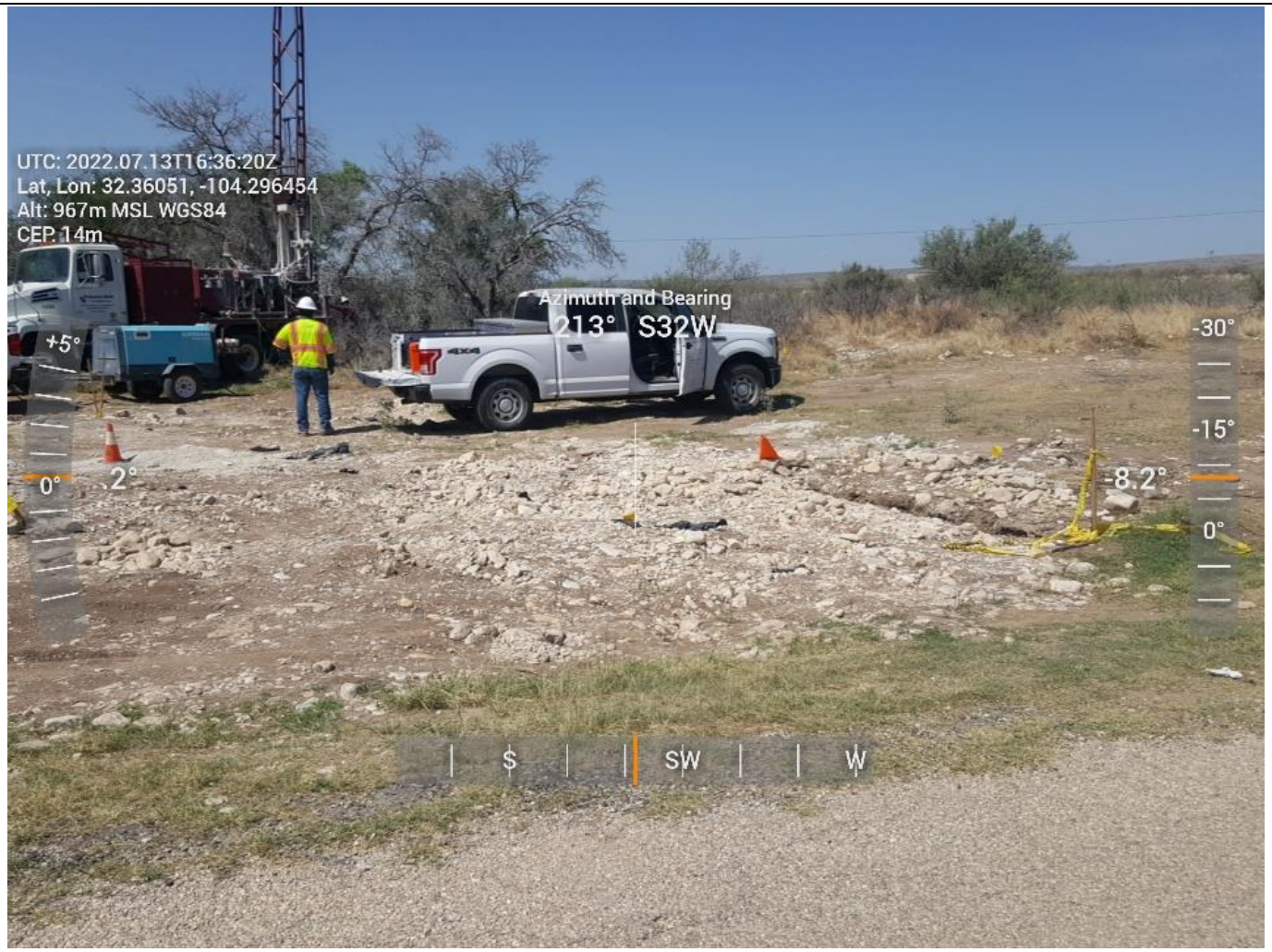
Photograph Log
A-18 Lateral
Enterprise Field Services LLC

Photograph #7	
Client: Enterprise Field Services	
Site Name: A-18 Lateral	
Date Photo Taken: April 5, 2022	
Release Location: N32.360476, W104.29649 J-Sec 28-T22S-R26E Eddy County, New Mexico	
Photo Taken by: Sarahmay Schlea	Description: Facing west, view of the sonic Geoprobe rig on April 5, 2022.

Photograph Log
A-18 Lateral
Enterprise Field Services LLC

Photograph #8	
Client: Enterprise Field Services	
Site Name: A-18 Lateral	
Date Photo Taken: July 13, 2022	
Release Location: N32.360476, W104.29649 J-Sec 28-T22S-R26E Eddy County, New Mexico	
Photo Taken by: Heather Woods	Description: Facing northwest, view of the truck-mounted drill rig on July 13, 2022.

Photograph Log
A-18 Lateral
Enterprise Field Services LLC

Photograph #9	
Client: Enterprise Field Services	
Site Name: A-18 Lateral	
Date Photo Taken: July 13, 2022	
Release Location: N32.360476, W104.29649 J-Sec 28-T22S-R26E Eddy County, New Mexico	
Photo Taken by: Heather Woods	Description: Facing west-northwest, view of the truck-mounted drill rig on July 13, 2022.

APPENDIX G

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: clients.hallenvironmental.com

December 06, 2021

Ashley Maxwell
Souder, Miller & Associates
201 S Halagueno
Carlsbad, NM 88221
TEL:
FAX:

RE: A 18 Lateral Pipeline OrderNo.: 2111C00

Dear Ashley Maxwell:

Hall Environmental Analysis Laboratory received 8 sample(s) on 11/24/2021 for the analyses presented in the following report.

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

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

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **2111C00**
Date Reported: **12/6/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates
Project: A 18 Lateral Pipeline
Lab ID: 2111C00-001 **Matrix:** SOIL

Client Sample ID: BS 1-N @ 12
Collection Date: 11/22/2021 12:10:00 PM
Received Date: 11/24/2021 7:43:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	86	60		mg/Kg	20	12/1/2021 11:45:41 AM	64243
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	3200	170		mg/Kg	20	12/1/2021 3:20:20 PM	64182
Motor Oil Range Organics (MRO)	ND	840	D	mg/Kg	20	12/1/2021 3:20:20 PM	64182
Surr: DNOP	0	70-130	S	%Rec	20	12/1/2021 3:20:20 PM	64182
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **mb**	
Gasoline Range Organics (GRO)	9200	470		mg/Kg	100	12/1/2021 12:01:00 PM	64162
Surr: BFB	200	70-130	S	%Rec	100	12/1/2021 12:01:00 PM	64162
EPA METHOD 8021B: VOLATILES						Analyst: **mb**	
Benzene	12	0.12		mg/Kg	5	12/1/2021 1:43:00 AM	64162
Toluene	81	4.7		mg/Kg	100	12/1/2021 12:01:00 PM	64162
Ethylbenzene	34	4.7		mg/Kg	100	12/1/2021 12:01:00 PM	64162
Xylenes, Total	240	9.4		mg/Kg	100	12/1/2021 12:01:00 PM	64162
Surr: 4-Bromofluorobenzene	148	70-130	S	%Rec	100	12/1/2021 12:01:00 PM	64162

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

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 interference
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 Limit

Analytical Report
Lab Order **2111C00**
Date Reported: **12/6/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates
Project: A 18 Lateral Pipeline
Lab ID: 2111C00-002 **Matrix:** SOIL

Client Sample ID: BS 2-S @ 13'
Collection Date: 11/22/2021 12:35:00 PM
Received Date: 11/24/2021 7:43:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	800	60		mg/Kg	20	12/1/2021 12:22:43 PM	64243
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	3600	200		mg/Kg	20	12/1/2021 3:09:44 PM	64182
Motor Oil Range Organics (MRO)	ND	990	D	mg/Kg	20	12/1/2021 3:09:44 PM	64182
Surr: DNOP	0	70-130	S	%Rec	20	12/1/2021 3:09:44 PM	64182
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **mb**	
Gasoline Range Organics (GRO)	13000	460		mg/Kg	100	12/1/2021 12:41:00 PM	64162
Surr: BFB	204	70-130	S	%Rec	100	12/1/2021 12:41:00 PM	64162
EPA METHOD 8021B: VOLATILES						Analyst: **mb**	
Benzene	22	0.12		mg/Kg	5	12/1/2021 2:02:00 AM	64162
Toluene	210	4.6		mg/Kg	100	12/1/2021 12:41:00 PM	64162
Ethylbenzene	56	4.6		mg/Kg	100	12/1/2021 12:41:00 PM	64162
Xylenes, Total	420	9.3		mg/Kg	100	12/1/2021 12:41:00 PM	64162
Surr: 4-Bromofluorobenzene	151	70-130	S	%Rec	100	12/1/2021 12:41:00 PM	64162

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

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 interference
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 Limit

Analytical Report
Lab Order **2111C00**
Date Reported: **12/6/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates
Project: A 18 Lateral Pipeline
Lab ID: 2111C00-003 **Matrix:** SOIL

Client Sample ID: SWN-3 @ 0-12'
Collection Date: 11/22/2021 12:15:00 PM
Received Date: 11/24/2021 7:43:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	ND	60		mg/Kg	20	12/1/2021 12:35:04 PM	64243
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	470	9.7		mg/Kg	1	12/1/2021 2:59:09 PM	64182
Motor Oil Range Organics (MRO)	63	48		mg/Kg	1	12/1/2021 2:59:09 PM	64182
Surr: DNOP	121	70-130		%Rec	1	12/1/2021 2:59:09 PM	64182
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **mb**	
Gasoline Range Organics (GRO)	340	24		mg/Kg	5	12/1/2021 1:20:00 PM	64162
Surr: BFB	184	70-130	S	%Rec	5	12/1/2021 1:20:00 PM	64162
EPA METHOD 8021B: VOLATILES						Analyst: **mb**	
Benzene	ND	0.12		mg/Kg	5	12/1/2021 1:20:00 PM	64162
Toluene	ND	0.24		mg/Kg	5	12/1/2021 1:20:00 PM	64162
Ethylbenzene	0.59	0.24		mg/Kg	5	12/1/2021 1:20:00 PM	64162
Xylenes, Total	3.3	0.47		mg/Kg	5	12/1/2021 1:20:00 PM	64162
Surr: 4-Bromofluorobenzene	148	70-130	S	%Rec	5	12/1/2021 1:20:00 PM	64162

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

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 interference
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 Limit

Analytical Report
Lab Order **2111C00**
Date Reported: **12/6/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates
Project: A 18 Lateral Pipeline
Lab ID: 2111C00-004 **Matrix:** SOIL

Client Sample ID: SWE-4 @ 0-12.5'
Collection Date: 11/22/2021 1:00:00 PM
Received Date: 11/24/2021 7:43:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	340	60		mg/Kg	20	12/1/2021 2:43:51 PM	64243
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	1000	92		mg/Kg	10	12/1/2021 3:30:53 PM	64182
Motor Oil Range Organics (MRO)	ND	460	D	mg/Kg	10	12/1/2021 3:30:53 PM	64182
Surr: DNOP	0	70-130	S	%Rec	10	12/1/2021 3:30:53 PM	64182
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	1100	24		mg/Kg	5	11/29/2021 4:03:43 PM	64166
Surr: BFB	814	70-130	S	%Rec	5	11/29/2021 4:03:43 PM	64166
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	0.35	0.12		mg/Kg	5	11/29/2021 4:03:43 PM	64166
Toluene	9.6	0.24		mg/Kg	5	11/29/2021 4:03:43 PM	64166
Ethylbenzene	3.8	0.24		mg/Kg	5	11/29/2021 4:03:43 PM	64166
Xylenes, Total	40	0.48		mg/Kg	5	11/29/2021 4:03:43 PM	64166
Surr: 4-Bromofluorobenzene	127	70-130		%Rec	5	11/29/2021 4:03:43 PM	64166

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

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 interference
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 Limit

Analytical Report
Lab Order **2111C00**
Date Reported: **12/6/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates
Client Sample ID: SWS-5 @ 0-13'
Project: A 18 Lateral Pipeline
Collection Date: 11/22/2021 12:55:00 PM
Lab ID: 2111C00-005 **Matrix:** SOIL
Received Date: 11/24/2021 7:43:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	ND	60		mg/Kg	20	12/1/2021 2:56:12 PM	64243
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	1400	95		mg/Kg	10	12/1/2021 3:41:29 PM	64182
Motor Oil Range Organics (MRO)	ND	480	D	mg/Kg	10	12/1/2021 3:41:29 PM	64182
Surr: DNOP	0	70-130	S	%Rec	10	12/1/2021 3:41:29 PM	64182
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	1300	24		mg/Kg	5	11/29/2021 5:14:11 PM	64166
Surr: BFB	842	70-130	S	%Rec	5	11/29/2021 5:14:11 PM	64166
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	0.65	0.12		mg/Kg	5	11/29/2021 5:14:11 PM	64166
Toluene	19	0.24		mg/Kg	5	11/29/2021 5:14:11 PM	64166
Ethylbenzene	5.6	0.24		mg/Kg	5	11/29/2021 5:14:11 PM	64166
Xylenes, Total	55	4.7		mg/Kg	50	11/30/2021 3:04:04 PM	64166
Surr: 4-Bromofluorobenzene	133	70-130	S	%Rec	5	11/29/2021 5:14:11 PM	64166

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
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2111C00**
Date Reported: **12/6/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates
Project: A 18 Lateral Pipeline
Lab ID: 2111C00-006 **Matrix:** SOIL

Client Sample ID: SWW-6 @ 0-12.5'
Collection Date: 11/22/2021 12:22:00 PM
Received Date: 11/24/2021 7:43:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	ND	60		mg/Kg	20	12/1/2021 3:08:33 PM	64243
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**	
Diesel Range Organics (DRO)	200	9.4		mg/Kg	1	11/30/2021 5:58:54 PM	64182
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	11/30/2021 5:58:54 PM	64182
Surr: DNOP	88.3	70-130		%Rec	1	11/30/2021 5:58:54 PM	64182
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	650	24		mg/Kg	5	11/29/2021 6:24:09 PM	64166
Surr: BFB	545	70-130	S	%Rec	5	11/29/2021 6:24:09 PM	64166
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.12		mg/Kg	5	11/29/2021 6:24:09 PM	64166
Toluene	0.26	0.24		mg/Kg	5	11/29/2021 6:24:09 PM	64166
Ethylbenzene	ND	0.24		mg/Kg	5	11/29/2021 6:24:09 PM	64166
Xylenes, Total	16	0.49		mg/Kg	5	11/29/2021 6:24:09 PM	64166
Surr: 4-Bromofluorobenzene	112	70-130		%Rec	5	11/29/2021 6:24:09 PM	64166

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

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 interference
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 Limit

Analytical Report
Lab Order **2111C00**
Date Reported: **12/6/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates
Client Sample ID: SP-7
Project: A 18 Lateral Pipeline
Collection Date: 11/22/2021 1:30:00 PM
Lab ID: 2111C00-007 **Matrix:** SOIL **Received Date:** 11/24/2021 7:43:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	300	60		mg/Kg	20	12/1/2021 3:45:35 PM	64243
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	1600	96		mg/Kg	10	12/1/2021 3:52:02 PM	64182
Motor Oil Range Organics (MRO)	ND	480	D	mg/Kg	10	12/1/2021 3:52:02 PM	64182
Surr: DNOP	0	70-130	S	%Rec	10	12/1/2021 3:52:02 PM	64182
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	3100	96		mg/Kg	20	11/29/2021 6:47:33 PM	64166
Surr: BFB	644	70-130	S	%Rec	20	11/29/2021 6:47:33 PM	64166
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	0.88	0.48		mg/Kg	20	11/29/2021 6:47:33 PM	64166
Toluene	18	0.96		mg/Kg	20	11/29/2021 6:47:33 PM	64166
Ethylbenzene	7.5	0.96		mg/Kg	20	11/29/2021 6:47:33 PM	64166
Xylenes, Total	120	1.9		mg/Kg	20	11/29/2021 6:47:33 PM	64166
Surr: 4-Bromofluorobenzene	119	70-130		%Rec	20	11/29/2021 6:47:33 PM	64166

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

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 interference
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 Limit

Analytical Report
Lab Order **2111C00**
Date Reported: **12/6/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates
Client Sample ID: BG8
Project: A 18 Lateral Pipeline
Collection Date: 11/22/2021 11:35:00 AM
Lab ID: 2111C00-008 **Matrix:** SOIL **Received Date:** 11/24/2021 7:43:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	ND	60		mg/Kg	20	12/1/2021 3:57:55 PM	64243
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**	
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	11/30/2021 6:47:33 PM	64182
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	11/30/2021 6:47:33 PM	64182
Surr: DNOP	84.9	70-130		%Rec	1	11/30/2021 6:47:33 PM	64182
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	11/29/2021 10:33:04 AM	64166
Surr: BFB	99.5	70-130		%Rec	1	11/29/2021 10:33:04 AM	64166
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.025		mg/Kg	1	11/29/2021 10:33:04 AM	64166
Toluene	0.075	0.049		mg/Kg	1	11/29/2021 10:33:04 AM	64166
Ethylbenzene	ND	0.049		mg/Kg	1	11/29/2021 10:33:04 AM	64166
Xylenes, Total	0.12	0.099		mg/Kg	1	11/29/2021 10:33:04 AM	64166
Surr: 4-Bromofluorobenzene	99.1	70-130		%Rec	1	11/29/2021 10:33:04 AM	64166

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
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2111C00**

06-Dec-21

Client: Souder, Miller & Associates

Project: A 18 Lateral Pipeline

Sample ID: **MB-64243**	SampType: **mblk**	TestCode: **EPA Method 300.0: Anions**
Client ID: **PBS**	Batch ID: **64243**	RunNo: **83213**
Prep Date: **12/1/2021**	Analysis Date: **12/1/2021**	SeqNo: **2957107** Units: **mg/Kg**

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

Sample ID: **LCS-64243**	SampType: **lcs**	TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSS**	Batch ID: **64243**	RunNo: **83213**
Prep Date: **12/1/2021**	Analysis Date: **12/1/2021**	SeqNo: **2957108** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	91.8	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 interference
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 Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2111C00**

06-Dec-21

Client: Souder, Miller & Associates

Project: A 18 Lateral Pipeline

Sample ID: **LCS-64182**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **64182**	RunNo: **83166**
Prep Date: **11/29/2021**	Analysis Date: **11/30/2021**	SeqNo: **2954832** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	44	10	50.00	0	87.7	68.9	135			
Surr: DNOP	4.4		5.000		88.6	70	130			

Sample ID: **MB-64182**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **64182**	RunNo: **83166**
Prep Date: **11/29/2021**	Analysis Date: **11/30/2021**	SeqNo: **2954833** Units: **mg/Kg**

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	9.3		10.00		93.4	70	130			

Sample ID: **LCS-64215**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **64215**	RunNo: **83211**
Prep Date: **11/30/2021**	Analysis Date: **12/2/2021**	SeqNo: **2956906** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	3.9		5.000		78.4	70	130			

Sample ID: **LCS-64225**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **64225**	RunNo: **83211**
Prep Date: **11/30/2021**	Analysis Date: **12/1/2021**	SeqNo: **2956908** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.5		5.000		89.3	70	130			

Sample ID: **LCS-64239**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **64239**	RunNo: **83211**
Prep Date: **12/1/2021**	Analysis Date: **12/1/2021**	SeqNo: **2956909** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	3.8		5.000		76.0	70	130			

Sample ID: **MB-64225**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **64225**	RunNo: **83211**
Prep Date: **11/30/2021**	Analysis Date: **12/1/2021**	SeqNo: **2956911** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	10		10.00		104	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 interference
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 Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2111C00**

06-Dec-21

Client: Souder, Miller & Associates

Project: A 18 Lateral Pipeline

Sample ID: **MB-64239**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **64239**	RunNo: **83211**
Prep Date: **12/1/2021**	Analysis Date: **12/1/2021**	SeqNo: **2956912** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	11		10.00		113	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 interference
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 Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2111C00**

06-Dec-21

Client: Souder, Miller & Associates

Project: A 18 Lateral Pipeline

Sample ID: **mb-64166**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **64166**	RunNo: **83144**
Prep Date: **11/24/2021**	Analysis Date: **11/29/2021**	SeqNo: **2953865** 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	990		1000		98.9	70	130			

Sample ID: **lcs-64166**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **64166**	RunNo: **83144**
Prep Date: **11/24/2021**	Analysis Date: **11/29/2021**	SeqNo: **2953866** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	22	5.0	25.00	0	89.1	78.6	131			
Surr: BFB	1100		1000		111	70	130			

Sample ID: **2111c00-004ams**	SampType: **MS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **SWE-4 @ 0-12.5'**	Batch ID: **64166**	RunNo: **83144**
Prep Date: **11/24/2021**	Analysis Date: **11/29/2021**	SeqNo: **2953868** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	1200	25	24.53	1074	534	61.3	114			S
Surr: BFB	43000		4907		883	70	130			S

Sample ID: **2111c00-004amsd**	SampType: **MSD**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **SWE-4 @ 0-12.5'**	Batch ID: **64166**	RunNo: **83144**
Prep Date: **11/24/2021**	Analysis Date: **11/29/2021**	SeqNo: **2953869** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	1300	24	24.27	1074	977	61.3	114	8.44	20	S
Surr: BFB	47000		4854		969	70	130	0	0	S

Sample ID: **mb-64218**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **64218**	RunNo: **83219**
Prep Date: **11/30/2021**	Analysis Date: **12/1/2021**	SeqNo: **2956659** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	970		1000		97.0	70	130			

Sample ID: **mb-64222**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **64222**	RunNo: **83219**
Prep Date: **11/30/2021**	Analysis Date: **12/1/2021**	SeqNo: **2956660** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	980		1000		97.9	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 interference
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 Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2111C00**

06-Dec-21

Client: Souder, Miller & Associates

Project: A 18 Lateral Pipeline

Sample ID: **lcs-64218**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**							
Client ID: **LCSS**	Batch ID: **64218**	RunNo: **83219**							
Prep Date: **11/30/2021**	Analysis Date: **12/1/2021**	SeqNo: **2956661**	Units: **%Rec**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	1100		1000		113	70	130			

Sample ID: **lcs-64222**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**							
Client ID: **LCSS**	Batch ID: **64222**	RunNo: **83219**							
Prep Date: **11/30/2021**	Analysis Date: **12/1/2021**	SeqNo: **2956662**	Units: **%Rec**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	1100		1000		108	70	130			

Sample ID: **mb-64246**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**							
Client ID: **PBS**	Batch ID: **64246**	RunNo: **83244**							
Prep Date: **12/1/2021**	Analysis Date: **12/2/2021**	SeqNo: **2958009**	Units: **%Rec**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	950		1000		94.7	70	130			

Sample ID: **lcs-64246**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**							
Client ID: **LCSS**	Batch ID: **64246**	RunNo: **83244**							
Prep Date: **12/1/2021**	Analysis Date: **12/2/2021**	SeqNo: **2958020**	Units: **%Rec**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	1100		1000		112	70	130			

Sample ID: **mb-64162**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**							
Client ID: **PBS**	Batch ID: **64162**	RunNo: **83244**							
Prep Date: **11/24/2021**	Analysis Date: **12/2/2021**	SeqNo: **2958030**	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	940		1000		94.3	70	130			

Sample ID: **lcs-64162**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**							
Client ID: **LCSS**	Batch ID: **64162**	RunNo: **83244**							
Prep Date: **11/24/2021**	Analysis Date: **12/2/2021**	SeqNo: **2958032**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	25.00	0	94.5	78.6	131			
Surr: BFB	1000		1000		102	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 interference
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 Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2111C00**

06-Dec-21

Client: Souder, Miller & Associates

Project: A 18 Lateral Pipeline

Sample ID: **mb-64166**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **64166**	RunNo: **83144**
Prep Date: **11/24/2021**	Analysis Date: **11/29/2021**	SeqNo: **2953909** 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	0.99		1.000		98.7	70	130			

Sample ID: **LCS-64166**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **64166**	RunNo: **83144**
Prep Date: **11/24/2021**	Analysis Date: **11/29/2021**	SeqNo: **2953910** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.96	0.025	1.000	0	96.0	80	120			
Toluene	0.94	0.050	1.000	0	94.2	80	120			
Ethylbenzene	0.94	0.050	1.000	0	94.2	80	120			
Xylenes, Total	2.8	0.10	3.000	0	94.8	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		103	70	130			

Sample ID: **2111c00-005ams**	SampType: **MS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **SWS-5 @ 0-13'**	Batch ID: **64166**	RunNo: **83144**
Prep Date: **11/24/2021**	Analysis Date: **11/29/2021**	SeqNo: **2953913** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.5	0.12	0.9823	0.6482	85.8	80	120			
Toluene	18	0.25	0.9823	18.89	-81.1	80	120			S
Ethylbenzene	6.2	0.25	0.9823	5.560	68.0	80	120			S
Xylenes, Total	60	0.49	2.947	59.76	-6.98	80	120			S
Surr: 4-Bromofluorobenzene	6.4		4.912		130	70	130			

Sample ID: **2111c00-005amsd**	SampType: **MSD**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **SWS-5 @ 0-13'**	Batch ID: **64166**	RunNo: **83144**
Prep Date: **11/24/2021**	Analysis Date: **11/29/2021**	SeqNo: **2953914** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.4	0.12	0.9960	0.6482	76.9	80	120	5.32	20	S
Toluene	16	0.25	0.9960	18.89	-264	80	120	10.7	20	S
Ethylbenzene	5.5	0.25	0.9960	5.560	-3.19	80	120	11.9	20	S
Xylenes, Total	53	0.50	2.988	59.76	-219	80	120	11.2	20	S
Surr: 4-Bromofluorobenzene	6.3		4.980		126	70	130	0	0	

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 interference
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 Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2111C00**

06-Dec-21

Client: Souder, Miller & Associates

Project: A 18 Lateral Pipeline

Sample ID: **mb-64162**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**							
Client ID: **PBS**	Batch ID: **64162**	RunNo: **83160**							
Prep Date: **11/24/2021**	Analysis Date: **11/30/2021**	SeqNo: **2955312**	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	0.89		1.000		88.7	70	130			

Sample ID: **lcs-64162**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**							
Client ID: **LCSS**	Batch ID: **64162**	RunNo: **83160**							
Prep Date: **11/24/2021**	Analysis Date: **11/30/2021**	SeqNo: **2955313**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.81	0.025	1.000	0	81.0	80	120			
Toluene	0.84	0.050	1.000	0	83.9	80	120			
Ethylbenzene	0.87	0.050	1.000	0	86.9	80	120			
Xylenes, Total	2.6	0.10	3.000	0	86.0	80	120			
Surr: 4-Bromofluorobenzene	0.89		1.000		89.1	70	130			

Sample ID: **mb-64218**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**							
Client ID: **PBS**	Batch ID: **64218**	RunNo: **83219**							
Prep Date: **11/30/2021**	Analysis Date: **12/1/2021**	SeqNo: **2956707**	Units: **%Rec**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.92		1.000		91.7	70	130			

Sample ID: **mb-64222**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**							
Client ID: **PBS**	Batch ID: **64222**	RunNo: **83219**							
Prep Date: **11/30/2021**	Analysis Date: **12/1/2021**	SeqNo: **2956708**	Units: **%Rec**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.91		1.000		91.4	70	130			

Sample ID: **lcs-64218**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**							
Client ID: **LCSS**	Batch ID: **64218**	RunNo: **83219**							
Prep Date: **11/30/2021**	Analysis Date: **12/1/2021**	SeqNo: **2956709**	Units: **%Rec**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.93		1.000		92.7	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 interference
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 Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2111C00**

06-Dec-21

Client: Souder, Miller & Associates

Project: A 18 Lateral Pipeline

Sample ID: **lcs-64222**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**							
Client ID: **LCSS**	Batch ID: **64222**	RunNo: **83219**							
Prep Date: **11/30/2021**	Analysis Date: **12/1/2021**	SeqNo: **2956710**	Units: **%Rec**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.94		1.000		94.4	70	130			

Sample ID: **mb-64246**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**							
Client ID: **PBS**	Batch ID: **64246**	RunNo: **83244**							
Prep Date: **12/1/2021**	Analysis Date: **12/2/2021**	SeqNo: **2958021**	Units: **%Rec**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.91		1.000		91.4	70	130			

Sample ID: **lcs-64246**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**							
Client ID: **LCSS**	Batch ID: **64246**	RunNo: **83244**							
Prep Date: **12/1/2021**	Analysis Date: **12/2/2021**	SeqNo: **2958022**	Units: **%Rec**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.94		1.000		94.0	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 interference
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 Limit

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Sample Log-In Check List

Client Name: Souder, Miller & Associates | Work Order Number: 2111C00 | RcptNo: 1

Received By: Cheyenne Cason 11/24/2021 7:43:00 AM

Completed By: Isaiah Ortiz 11/24/2021 8:06:55 AM

Reviewed By: JN 11/24/21

Chain of Custody

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

Log In

3. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
4. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
5. Sample(s) in proper container(s)?	Yes ☑	No ☐	
6. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
7. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
8. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
9. Received at least 1 vial with headspace <1/4" for AQ VOA?	Yes ☐	No ☐	NA ☑
10. Were any sample containers received broken?	Yes ☐	No ☑	
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	
12. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
13. Is it clear what analyses were requested?	Yes ☑	No ☐	
14. 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: 11/24/21

Special Handling (if applicable)

15. 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: _____

16. Additional remarks:

17. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	3.1	Good	Not Present			
2	4.9	Good	Not Present			

Chain-of-Custody Record

Client: SMA Carlsbad NM

Mailing Address:

Phone #:

email or Fax#:

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

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:
☑ Standard 5 Days ☐ Rush

Project Name:
A-18 lateral pipeline

Project #:

Project Manager:
Ashley Maxwell

Sampler: Pat Bailey
On Ice: ☑ Yes ☐ No
# of Coolers: 2
Cooler Temp(including CF): 4.9-0=4.9 (°C)

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 Name	Container Type and #	Preservative Type	HEAL No. 2111C00	BTEX + MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
11/22	1210	Soil	BS 1-N @ 12'	4oz, -1	Cool	001	X	X					X			
	1235		BS 2-SC 13'			002										
	1215		SWN-3@0-12'			003										
	1300		SWE-4@0-12.5'			004										
	1255		SWS-5@ 0-13'			005										
	1222		SWW-6@ 0-12.5'			006										
	1330		SP-7			007										
	1135		BGB			008							X			

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
11/23	1440	Pat Bailey			11/23/22	1440
11/24	1900		Cmc Courier		11/24/22	0743

Remarks:
Email - Ashley Maxwell
Ph 505-320-8975

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.

Report to:

Ashley Maxwell

5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Souder Miller & Associates

Project Name:	A-1B LAT
Work Order:	E112029
Job Number:	97057-0001
Received:	12/7/2021

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
12/12/21

Date Reported: 12/12/21

Ashley Maxwell
401 W. Broadway
Farmington, NM 87401

Project Name: A-1B LAT
Workorder: E112029
Date Received: 12/7/2021 3:35:00PM

Ashley Maxwell,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/7/2021 3:35:00PM, under the Project Name: A-1B LAT.

The analytical test results summarized in this report with the Project Name: A-1B LAT apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Alexa Michaels
Sample Custody Officer
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labadmin@envirotech-inc.com

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Cell: 505-320-4759
ljarboe@envirotech-inc.com

West Texas Midland/Odessa Area
Rayny Hagan
Technical Representative
Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Sample Summary

Souder Miller & Associates	Project Name:	A-1B LAT	**Reported:**
401 W. Broadway	Project Number:	97057-0001	
Farmington NM, 87401	Project Manager:	Ashley Maxwell	12/12/21 10:20

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
HD-01@ 0"-2'	E112029-01A	Soil	12/02/21	12/07/21	Glass Jar, 4 oz.
A-18-BS-01	E112029-02A	Soil	12/02/21	12/07/21	Glass Jar, 4 oz.
A-18-BS-02	E112029-03A	Soil	12/02/21	12/07/21	Glass Jar, 4 oz.
A-18-BS-03	E112029-04A	Soil	12/02/21	12/07/21	Glass Jar, 4 oz.
A-18-BS-04	E112029-05A	Soil	12/02/21	12/07/21	Glass Jar, 4 oz.
A-18-SSW-05	E112029-06A	Soil	12/02/21	12/07/21	Glass Jar, 4 oz.

Sample Data

Souder Miller & Associates	Project Name:	A-1B LAT	
401 W. Broadway	Project Number:	97057-0001	**Reported:**
Farmington NM, 87401	Project Manager:	Ashley Maxwell	12/12/2021 10:20:55AM

HD-01@ 0''-2'

E112029-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2150022
Benzene	ND	0.0250	1	12/08/21	12/09/21	
Ethylbenzene	ND	0.0250	1	12/08/21	12/09/21	
Toluene	ND	0.0250	1	12/08/21	12/09/21	
o-Xylene	ND	0.0250	1	12/08/21	12/09/21	
p,m-Xylene	ND	0.0500	1	12/08/21	12/09/21	
Total Xylenes	ND	0.0250	1	12/08/21	12/09/21	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*12/08/21*	*12/09/21*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2150022
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/08/21	12/09/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.3 %*	*70-130*	*12/08/21*	*12/09/21*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RKS			Batch: 2150019
Diesel Range Organics (C10-C28)	ND	25.0	1	12/08/21	12/09/21	
Oil Range Organics (C28-C36)	ND	50.0	1	12/08/21	12/09/21	
Surrogate: n-Nonane		*111 %*	*50-200*	*12/08/21*	*12/09/21*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2150018
Chloride	ND	40.0	2	12/08/21	12/09/21	

Sample Data

Souder Miller & Associates	Project Name:	A-1B LAT	
401 W. Broadway	Project Number:	97057-0001	**Reported:**
Farmington NM, 87401	Project Manager:	Ashley Maxwell	12/12/2021 10:20:55AM

A-18-BS-03

E112029-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2150022
Benzene	ND	0.0250	1	12/08/21	12/10/21	
Ethylbenzene	ND	0.0250	1	12/08/21	12/10/21	
Toluene	**0.0580**	0.0250	1	12/08/21	12/10/21	
o-Xylene	**0.0258**	0.0250	1	12/08/21	12/10/21	
p,m-Xylene	**0.0567**	0.0500	1	12/08/21	12/10/21	
Total Xylenes	**0.0825**	0.0250	1	12/08/21	12/10/21	
Surrogate: 4-Bromochlorobenzene-PID		*99.6 %*	*70-130*	*12/08/21*	*12/10/21*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2150022
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/08/21	12/10/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.7 %*	*70-130*	*12/08/21*	*12/10/21*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RKS			Batch: 2150019
Diesel Range Organics (C10-C28)	ND	25.0	1	12/08/21	12/09/21	
Oil Range Organics (C28-C36)	ND	50.0	1	12/08/21	12/09/21	
Surrogate: n-Nonane		*108 %*	*50-200*	*12/08/21*	*12/09/21*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2150018
Chloride	ND	20.0	1	12/08/21	12/09/21	

Sample Data

Souder Miller & Associates	Project Name:	A-1B LAT	
401 W. Broadway	Project Number:	97057-0001	**Reported:**
Farmington NM, 87401	Project Manager:	Ashley Maxwell	12/12/2021 10:20:55AM

A-18-BS-04

E112029-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2150022
Benzene	ND	0.0250	1	12/08/21	12/09/21	
Ethylbenzene	ND	0.0250	1	12/08/21	12/09/21	
Toluene	ND	0.0250	1	12/08/21	12/09/21	
o-Xylene	ND	0.0250	1	12/08/21	12/09/21	
p,m-Xylene	ND	0.0500	1	12/08/21	12/09/21	
Total Xylenes	ND	0.0250	1	12/08/21	12/09/21	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*12/08/21*	*12/09/21*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2150022
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/08/21	12/09/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.0 %*	*70-130*	*12/08/21*	*12/09/21*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RKS			Batch: 2150019
Diesel Range Organics (C10-C28)	ND	25.0	1	12/08/21	12/09/21	
Oil Range Organics (C28-C36)	ND	50.0	1	12/08/21	12/09/21	
Surrogate: n-Nonane		*108 %*	*50-200*	*12/08/21*	*12/09/21*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2150018
Chloride	ND	20.0	1	12/08/21	12/09/21	

Sample Data

Souder Miller & Associates	Project Name:	A-1B LAT	
401 W. Broadway	Project Number:	97057-0001	**Reported:**
Farmington NM, 87401	Project Manager:	Ashley Maxwell	12/12/2021 10:20:55AM

A-18-SSW-05

E112029-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2150022
Benzene	ND	0.0250	1	12/08/21	12/09/21	
Ethylbenzene	ND	0.0250	1	12/08/21	12/09/21	
Toluene	ND	0.0250	1	12/08/21	12/09/21	
o-Xylene	ND	0.0250	1	12/08/21	12/09/21	
p,m-Xylene	ND	0.0500	1	12/08/21	12/09/21	
Total Xylenes	ND	0.0250	1	12/08/21	12/09/21	
Surrogate: 4-Bromochlorobenzene-PID		*99.0 %*	*70-130*	*12/08/21*	*12/09/21*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2150022
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/08/21	12/09/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.0 %*	*70-130*	*12/08/21*	*12/09/21*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RKS			Batch: 2150019
Diesel Range Organics (C10-C28)	ND	25.0	1	12/08/21	12/09/21	
Oil Range Organics (C28-C36)	ND	50.0	1	12/08/21	12/09/21	
Surrogate: n-Nonane		*111 %*	*50-200*	*12/08/21*	*12/09/21*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2150018
Chloride	ND	20.0	1	12/08/21	12/09/21	

QC Summary Data

Souder Miller & Associates	Project Name:	A-1B LAT	**Reported:**
401 W. Broadway	Project Number:	97057-0001	
Farmington NM, 87401	Project Manager:	Ashley Maxwell	12/12/2021 10:20:55AM

Volatile Organics by EPA 8021B

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2150022-BLK1)									Prepared: 12/08/21 Analyzed: 12/08/21
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.80*		*8.00*		*97.5*	*70-130*			
LCS (2150022-BS1)									Prepared: 12/08/21 Analyzed: 12/08/21
Benzene	4.82	0.0250	5.00		96.5	70-130			
Ethylbenzene	4.75	0.0250	5.00		95.0	70-130			
Toluene	4.92	0.0250	5.00		98.3	70-130			
o-Xylene	4.88	0.0250	5.00		97.5	70-130			
p,m-Xylene	9.66	0.0500	10.0		96.6	70-130			
Total Xylenes	14.5	0.0250	15.0		96.9	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.99*		*8.00*		*99.8*	*70-130*			
Matrix Spike (2150022-MS1)				**Source: E112034-01**					Prepared: 12/08/21 Analyzed: 12/08/21
Benzene	4.77	0.0250	5.00	ND	95.4	54-133			
Ethylbenzene	4.72	0.0250	5.00	ND	94.3	61-133			
Toluene	4.86	0.0250	5.00	ND	97.3	61-130			
o-Xylene	4.81	0.0250	5.00	ND	96.3	63-131			
p,m-Xylene	9.60	0.0500	10.0	ND	96.0	63-131			
Total Xylenes	14.4	0.0250	15.0	ND	96.1	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*8.38*		*8.00*		*105*	*70-130*			
Matrix Spike Dup (2150022-MSD1)				**Source: E112034-01**					Prepared: 12/08/21 Analyzed: 12/08/21
Benzene	4.85	0.0250	5.00	ND	97.0	54-133	1.64	20	
Ethylbenzene	4.78	0.0250	5.00	ND	95.7	61-133	1.43	20	
Toluene	4.93	0.0250	5.00	ND	98.7	61-130	1.45	20	
o-Xylene	4.89	0.0250	5.00	ND	97.9	63-131	1.62	20	
p,m-Xylene	9.73	0.0500	10.0	ND	97.3	63-131	1.35	20	
Total Xylenes	14.6	0.0250	15.0	ND	97.5	63-131	1.44	20	
Surrogate: 4-Bromochlorobenzene-PID	*8.26*		*8.00*		*103*	*70-130*			

QC Summary Data

Souder Miller & Associates	Project Name:	A-1B LAT	**Reported:**
401 W. Broadway	Project Number:	97057-0001	
Farmington NM, 87401	Project Manager:	Ashley Maxwell	12/12/2021 10:20:55AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2150022-BLK1)									Prepared: 12/08/21 Analyzed: 12/08/21
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.64*		*8.00*		*95.5*	*70-130*			
LCS (2150022-BS2)									Prepared: 12/08/21 Analyzed: 12/08/21
Gasoline Range Organics (C6-C10)	53.6	20.0	50.0		107	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.55*		*8.00*		*94.4*	*70-130*			
Matrix Spike (2150022-MS2)				**Source: E112034-01**					Prepared: 12/08/21 Analyzed: 12/08/21
Gasoline Range Organics (C6-C10)	55.4	20.0	50.0	ND	111	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.62*		*8.00*		*95.2*	*70-130*			
Matrix Spike Dup (2150022-MSD2)				**Source: E112034-01**					Prepared: 12/08/21 Analyzed: 12/08/21
Gasoline Range Organics (C6-C10)	53.1	20.0	50.0	ND	106	70-130	4.32	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.55*		*8.00*		*94.4*	*70-130*			

QC Summary Data

Souder Miller & Associates	Project Name:	A-1B LAT	**Reported:**
401 W. Broadway	Project Number:	97057-0001	
Farmington NM, 87401	Project Manager:	Ashley Maxwell	12/12/2021 10:20:55AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2150019-BLK1)									Prepared: 12/08/21 Analyzed: 12/08/21
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*58.5*		*50.0*		*117*	*50-200*			
LCS (2150019-BS1)									Prepared: 12/08/21 Analyzed: 12/08/21
Diesel Range Organics (C10-C28)	484	25.0	500		96.9	38-132			
Surrogate: n-Nonane	*63.9*		*50.0*		*128*	*50-200*			
Matrix Spike (2150019-MS1)				**Source: E112030-03**					Prepared: 12/08/21 Analyzed: 12/08/21
Diesel Range Organics (C10-C28)	484	25.0	500	ND	96.7	38-132			
Surrogate: n-Nonane	*63.1*		*50.0*		*126*	*50-200*			
Matrix Spike Dup (2150019-MSD1)				**Source: E112030-03**					Prepared: 12/08/21 Analyzed: 12/08/21
Diesel Range Organics (C10-C28)	478	25.0	500	ND	95.5	38-132	1.26	20	
Surrogate: n-Nonane	*63.1*		*50.0*		*126*	*50-200*			

QC Summary Data

Souder Miller & Associates	Project Name:	A-1B LAT	**Reported:**
401 W. Broadway	Project Number:	97057-0001	
Farmington NM, 87401	Project Manager:	Ashley Maxwell	12/12/2021 10:20:55AM

Anions by EPA 300.0/9056A

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2150018-BLK1)									Prepared: 12/08/21 Analyzed: 12/08/21
Chloride	ND	20.0							
LCS (2150018-BS1)									Prepared: 12/08/21 Analyzed: 12/08/21
Chloride	247	20.0	250		98.7	90-110			
Matrix Spike (2150018-MS1)				**Source: E112030-01**					Prepared: 12/08/21 Analyzed: 12/08/21
Chloride	909	20.0	250	887	8.86	80-120			M2
Matrix Spike Dup (2150018-MSD1)				**Source: E112030-01**					Prepared: 12/08/21 Analyzed: 12/08/21
Chloride	1060	20.0	250	887	70.4	80-120	15.6	20	M2

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Definitions and Notes

Souder Miller & Associates	Project Name:	A-1B LAT	
401 W. Broadway	Project Number:	97057-0001	**Reported:**
Farmington NM, 87401	Project Manager:	Ashley Maxwell	12/12/21 10:20

M2	Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Project Information | Chain of Custody | Page 1 of 1

97057-0352 STD

Client:	SMA
Project:	A-18 LAT
Project Manager:	Ashley Maxwell
Address:	
City, State, Zip	
Phone:	
Email:	Ashley
Report due by:	

Bill To

Attention:	Enterprise
Address:	
City, State, Zip	
Phone:	
Email:	

Lab Use Only: Lab WO# PE112029 | Job Number ~~03117-0014~~ CC CC

TAT: 1D | 3D

EPA Program: RCRA | CWA | SDWA

State: NM X | CO | UT | AZ | TX | OK

Analysis and Method

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC - NM	BGDOC - TX			Remarks
0815	12/2	Soil	1	HD-01@ 0"-2'	1									X				
0920			1	A-1B-BS-01	2													Hold
0924			1	A-1B-BS-02	3													Hold
0926			1	A-1B-BS-03	4													
0930			1	A-1B-BS-04	5													
0955			1	A-1B-SSW-05	6									X				

Additional Instructions: A-1B-BS-01+02 Hold analysis, Run the rest

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: _____

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	12/3/21	0800	[signature]	12.3.21	800
[signature]	12.7.21	1530	Caitlin Christian	12/7/21	15:35

Lab Use Only: Received on ice: (Y) / N

T1 _____ T2 _____ T3 _____

AVG Temp °C 4

Sample Matrix: **S** - Soil, **Sd** - Solid, **Sg** - Sludge, **A** - Aqueous, **O** - Other _____

Container Type: **g** - glass, **p** - poly/plastic, **ag** - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

envirotech Analytical Laboratory
5795 US Highway 64 Farmington, NM 87401
24 Hour Emergency Response Phone 1800 362-1879
Ph (505) 632-1881 Fx (505) 632-1865
envirotech-inc.com
labadmin@envirotech-inc.com

Envirotech Analytical Laboratory

Printed: 12/8/2021 2:36:47PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Souder Miller & Associates	Date Received:	12/07/21 15:35	Work Order ID:	E112029
Phone:	(505) 325-7535	Date Logged In:	12/07/21 16:03	Logged In By:	Jessica Liesse
Email:	ashley.maxwelll@soudermiller.com	Due Date:	12/10/21 17:00 (3 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Lab Carrier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	No	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes	

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: 4°C		

Sample Container

14. Are aqueous VOC samples present?	No	
15. Are VOC samples collected in VOA Vials?	NA	
16. Is the head space less than 6-8 mm (pea sized or less)?	NA	
17. Was a trip blank (TB) included for VOC analyses?	NA	
18. Are non-VOC samples collected in the correct containers?	Yes	
19. Is the appropriate volume/weight or number of sample containers collected?	Yes	

Field Label

20. Were field sample labels filled out with the minimum information:		
Sample ID?	Yes	
Date/Time Collected?	Yes	
Collectors name?	No	

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No	
22. Are sample(s) correctly preserved?	NA	
24. Is lab filteration required and/or requested for dissolved metals?	No	

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase?	No	
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA	

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: N/A

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

Report to:

Ashley Maxwell

5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Souder Miller Associates - Carlsbad

Project Name:	Enterprise A-18
Work Order:	E202063
Job Number:	97057-0001
Received:	2/12/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
2/17/22

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.
Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 2/17/22

Ashley Maxwell
201 S Halagueno St.
Carlsbad, NM 88220

Project Name: Enterprise A-18
Workorder: E202063
Date Received: 2/12/2022 10:30:00AM

Ashley Maxwell,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/12/2022 10:30:00AM, under the Project Name: Enterprise A-18.

The analytical test results summarized in this report with the Project Name: Enterprise A-18 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
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Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Alexa Michaels
Sample Custody Officer
Office: 505-632-1881
labadmin@envirotech-inc.com

Field Offices:

Southern New Mexico Area
Lynn Jarboe
Technical Representative/Client Services
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@envirotech-inc.com

West Texas Midland/Odessa Area
Rayny Hagan
Technical Representative
Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Sample Summary

Souder Miller Associates - Carlsbad	Project Name:	Enterprise A-18	**Reported:**
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	02/17/22 15:58

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH02 @ 8-9'	E202063-01A	Soil	02/10/22	02/12/22	Glass Jar, 4 oz.
BH02 @ 10.5 - 11.5'	E202063-02A	Soil	02/10/22	02/12/22	Glass Jar, 4 oz.
BH03 @ 7-8'	E202063-03A	Soil	02/10/22	02/12/22	Glass Jar, 4 oz.
BH03 @ 9.5-11'	E202063-04A	Soil	02/10/22	02/12/22	Glass Jar, 4 oz.
BH04 @ 10-11'	E202063-05A	Soil	02/10/22	02/12/22	Glass Jar, 4 oz.
BH04 @ 11.5-13'	E202063-06A	Soil	02/10/22	02/12/22	Glass Jar, 4 oz.

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	Enterprise A-18	
201 S Halagueno St.	Project Number:	97057-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	2/17/2022 3:58:46PM

BH02 @ 8-9'

E202063-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2208023
Benzene	ND	0.0250	1	02/15/22	02/16/22	
Ethylbenzene	ND	0.0250	1	02/15/22	02/16/22	
Toluene	ND	0.0250	1	02/15/22	02/16/22	
o-Xylene	ND	0.0250	1	02/15/22	02/16/22	
p,m-Xylene	ND	0.0500	1	02/15/22	02/16/22	
Total Xylenes	ND	0.0250	1	02/15/22	02/16/22	
Surrogate: Bromofluorobenzene		*93.8 %*	*70-130*	*02/15/22*	*02/16/22*	
Surrogate: 1,2-Dichloroethane-d4		*100 %*	*70-130*	*02/15/22*	*02/16/22*	
Surrogate: Toluene-d8		*99.8 %*	*70-130*	*02/15/22*	*02/16/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2208023
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/15/22	02/16/22	
Surrogate: Bromofluorobenzene		*93.8 %*	*70-130*	*02/15/22*	*02/16/22*	
Surrogate: 1,2-Dichloroethane-d4		*100 %*	*70-130*	*02/15/22*	*02/16/22*	
Surrogate: Toluene-d8		*99.8 %*	*70-130*	*02/15/22*	*02/16/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2208039
Diesel Range Organics (C10-C28)	ND	25.0	1	02/15/22	02/17/22	
Oil Range Organics (C28-C36)	ND	50.0	1	02/15/22	02/17/22	
Surrogate: n-Nonane		*107 %*	*50-200*	*02/15/22*	*02/17/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2208035
Chloride	ND	20.0	1	02/15/22	02/15/22	

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	Enterprise A-18	
201 S Halagueno St.	Project Number:	97057-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	2/17/2022 3:58:46PM

BH02 @ 10.5 - 11.5'

E202063-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2208023
Benzene	ND	0.0250	1	02/15/22	02/16/22	
Ethylbenzene	ND	0.0250	1	02/15/22	02/16/22	
Toluene	ND	0.0250	1	02/15/22	02/16/22	
o-Xylene	**0.717**	0.0250	1	02/15/22	02/16/22	
p,m-Xylene	**0.947**	0.0500	1	02/15/22	02/16/22	
Total Xylenes	**1.66**	0.0250	1	02/15/22	02/16/22	
Surrogate: Bromofluorobenzene		*105 %*	*70-130*	*02/15/22*	*02/16/22*	
Surrogate: 1,2-Dichloroethane-d4		*99.1 %*	*70-130*	*02/15/22*	*02/16/22*	
Surrogate: Toluene-d8		*116 %*	*70-130*	*02/15/22*	*02/16/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2208023
Gasoline Range Organics (C6-C10)	**196**	20.0	1	02/15/22	02/16/22	
Surrogate: Bromofluorobenzene		*105 %*	*70-130*	*02/15/22*	*02/16/22*	
Surrogate: 1,2-Dichloroethane-d4		*99.1 %*	*70-130*	*02/15/22*	*02/16/22*	
Surrogate: Toluene-d8		*116 %*	*70-130*	*02/15/22*	*02/16/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2208039
Diesel Range Organics (C10-C28)	**144**	25.0	1	02/15/22	02/17/22	
Oil Range Organics (C28-C36)	ND	50.0	1	02/15/22	02/17/22	
Surrogate: n-Nonane		*120 %*	*50-200*	*02/15/22*	*02/17/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2208035
Chloride	ND	20.0	1	02/15/22	02/15/22	

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	Enterprise A-18	
201 S Halagueno St.	Project Number:	97057-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	2/17/2022 3:58:46PM

BH03 @ 7-8'

E202063-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2208023
Benzene	ND	0.0250	1	02/15/22	02/16/22	
Ethylbenzene	ND	0.0250	1	02/15/22	02/16/22	
Toluene	ND	0.0250	1	02/15/22	02/16/22	
o-Xylene	ND	0.0250	1	02/15/22	02/16/22	
p,m-Xylene	ND	0.0500	1	02/15/22	02/16/22	
Total Xylenes	ND	0.0250	1	02/15/22	02/16/22	
Surrogate: Bromofluorobenzene		*95.4 %*	*70-130*	*02/15/22*	*02/16/22*	
Surrogate: 1,2-Dichloroethane-d4		*99.1 %*	*70-130*	*02/15/22*	*02/16/22*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*02/15/22*	*02/16/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2208023
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/15/22	02/16/22	
Surrogate: Bromofluorobenzene		*95.4 %*	*70-130*	*02/15/22*	*02/16/22*	
Surrogate: 1,2-Dichloroethane-d4		*99.1 %*	*70-130*	*02/15/22*	*02/16/22*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*02/15/22*	*02/16/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2208039
Diesel Range Organics (C10-C28)	ND	25.0	1	02/15/22	02/17/22	
Oil Range Organics (C28-C36)	ND	50.0	1	02/15/22	02/17/22	
Surrogate: n-Nonane		*108 %*	*50-200*	*02/15/22*	*02/17/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2208035
Chloride	ND	20.0	1	02/15/22	02/15/22	

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	Enterprise A-18	
201 S Halagueno St.	Project Number:	97057-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	2/17/2022 3:58:46PM

BH03 @ 9.5-11'

E202063-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2208023
Benzene	ND	0.0250	1	02/15/22	02/16/22	
Ethylbenzene	ND	0.0250	1	02/15/22	02/16/22	
Toluene	ND	0.0250	1	02/15/22	02/16/22	
o-Xylene	ND	0.0250	1	02/15/22	02/16/22	
p,m-Xylene	ND	0.0500	1	02/15/22	02/16/22	
Total Xylenes	ND	0.0250	1	02/15/22	02/16/22	
Surrogate: Bromofluorobenzene		*93.8 %*	*70-130*	*02/15/22*	*02/16/22*	
Surrogate: 1,2-Dichloroethane-d4		*98.1 %*	*70-130*	*02/15/22*	*02/16/22*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*02/15/22*	*02/16/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2208023
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/15/22	02/16/22	
Surrogate: Bromofluorobenzene		*93.8 %*	*70-130*	*02/15/22*	*02/16/22*	
Surrogate: 1,2-Dichloroethane-d4		*98.1 %*	*70-130*	*02/15/22*	*02/16/22*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*02/15/22*	*02/16/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2208039
Diesel Range Organics (C10-C28)	ND	25.0	1	02/15/22	02/17/22	
Oil Range Organics (C28-C36)	ND	50.0	1	02/15/22	02/17/22	
Surrogate: n-Nonane		*115 %*	*50-200*	*02/15/22*	*02/17/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2208035
Chloride	ND	20.0	1	02/15/22	02/15/22	

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	Enterprise A-18	
201 S Halagueno St.	Project Number:	97057-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	2/17/2022 3:58:46PM

BH04 @ 10-11'

E202063-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2208023
Benzene	ND	0.0250	1	02/15/22	02/16/22	
Ethylbenzene	ND	0.0250	1	02/15/22	02/16/22	
Toluene	ND	0.0250	1	02/15/22	02/16/22	
o-Xylene	ND	0.0250	1	02/15/22	02/16/22	
p,m-Xylene	ND	0.0500	1	02/15/22	02/16/22	
Total Xylenes	ND	0.0250	1	02/15/22	02/16/22	
Surrogate: Bromofluorobenzene		*92.2 %*	*70-130*	*02/15/22*	*02/16/22*	
Surrogate: 1,2-Dichloroethane-d4		*99.9 %*	*70-130*	*02/15/22*	*02/16/22*	
Surrogate: Toluene-d8		*100 %*	*70-130*	*02/15/22*	*02/16/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2208023
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/15/22	02/16/22	
Surrogate: Bromofluorobenzene		*92.2 %*	*70-130*	*02/15/22*	*02/16/22*	
Surrogate: 1,2-Dichloroethane-d4		*99.9 %*	*70-130*	*02/15/22*	*02/16/22*	
Surrogate: Toluene-d8		*100 %*	*70-130*	*02/15/22*	*02/16/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2208039
Diesel Range Organics (C10-C28)	ND	25.0	1	02/15/22	02/17/22	
Oil Range Organics (C28-C36)	ND	50.0	1	02/15/22	02/17/22	
Surrogate: n-Nonane		*107 %*	*50-200*	*02/15/22*	*02/17/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2208035
Chloride	ND	20.0	1	02/15/22	02/15/22	

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	Enterprise A-18	
201 S Halagueno St.	Project Number:	97057-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	2/17/2022 3:58:46PM

BH04 @ 11.5-13'

E202063-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2208023
Benzene	ND	0.0250	1	02/15/22	02/16/22	
Ethylbenzene	ND	0.0250	1	02/15/22	02/16/22	
Toluene	ND	0.0250	1	02/15/22	02/16/22	
o-Xylene	ND	0.0250	1	02/15/22	02/16/22	
p,m-Xylene	ND	0.0500	1	02/15/22	02/16/22	
Total Xylenes	ND	0.0250	1	02/15/22	02/16/22	
Surrogate: Bromofluorobenzene		*92.7 %*	*70-130*	*02/15/22*	*02/16/22*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*02/15/22*	*02/16/22*	
Surrogate: Toluene-d8		*99.9 %*	*70-130*	*02/15/22*	*02/16/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2208023
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/15/22	02/16/22	
Surrogate: Bromofluorobenzene		*92.7 %*	*70-130*	*02/15/22*	*02/16/22*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*02/15/22*	*02/16/22*	
Surrogate: Toluene-d8		*99.9 %*	*70-130*	*02/15/22*	*02/16/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2208039
Diesel Range Organics (C10-C28)	ND	25.0	1	02/15/22	02/17/22	
Oil Range Organics (C28-C36)	ND	50.0	1	02/15/22	02/17/22	
Surrogate: n-Nonane		*121 %*	*50-200*	*02/15/22*	*02/17/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2208035
Chloride	ND	20.0	1	02/15/22	02/16/22	

QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	Enterprise A-18	**Reported:**
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	2/17/2022 3:58:46PM

Volatile Organic Compounds by EPA 8260B

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2208023-BLK1)									Prepared: 02/15/22 Analyzed: 02/16/22
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	*0.455*		*0.500*		*90.9*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.499*		*0.500*		*99.8*	*70-130*			
Surrogate: Toluene-d8	*0.511*		*0.500*		*102*	*70-130*			
LCS (2208023-BS1)									Prepared: 02/15/22 Analyzed: 02/16/22
Benzene	2.68	0.0250	2.50		107	70-130			
Ethylbenzene	2.87	0.0250	2.50		115	70-130			
Toluene	2.91	0.0250	2.50		116	70-130			
o-Xylene	2.73	0.0250	2.50		109	70-130			
p,m-Xylene	5.53	0.0500	5.00		111	70-130			
Total Xylenes	8.26	0.0250	7.50		110	70-130			
Surrogate: Bromofluorobenzene	*0.468*		*0.500*		*93.5*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.494*		*0.500*		*98.7*	*70-130*			
Surrogate: Toluene-d8	*0.533*		*0.500*		*107*	*70-130*			
Matrix Spike (2208023-MS1)				**Source: E202053-01**					Prepared: 02/15/22 Analyzed: 02/16/22
Benzene	2.57	0.0250	2.50	ND	103	48-131			
Ethylbenzene	2.73	0.0250	2.50	ND	109	45-135			
Toluene	2.80	0.0250	2.50	ND	112	48-130			
o-Xylene	2.60	0.0250	2.50	ND	104	43-135			
p,m-Xylene	5.25	0.0500	5.00	ND	105	43-135			
Total Xylenes	7.85	0.0250	7.50	ND	105	43-135			
Surrogate: Bromofluorobenzene	*0.475*		*0.500*		*95.0*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.500*		*0.500*		*99.9*	*70-130*			
Surrogate: Toluene-d8	*0.535*		*0.500*		*107*	*70-130*			
Matrix Spike Dup (2208023-MSD1)				**Source: E202053-01**					Prepared: 02/15/22 Analyzed: 02/16/22
Benzene	2.68	0.0250	2.50	ND	107	48-131	3.95	23	
Ethylbenzene	2.84	0.0250	2.50	ND	114	45-135	3.98	27	
Toluene	2.84	0.0250	2.50	ND	113	48-130	1.28	24	
o-Xylene	2.73	0.0250	2.50	ND	109	43-135	5.07	27	
p,m-Xylene	5.48	0.0500	5.00	ND	110	43-135	4.26	27	
Total Xylenes	8.21	0.0250	7.50	ND	109	43-135	4.53	27	
Surrogate: Bromofluorobenzene	*0.471*		*0.500*		*94.2*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.494*		*0.500*		*98.7*	*70-130*			
Surrogate: Toluene-d8	*0.522*		*0.500*		*104*	*70-130*			

QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	Enterprise A-18	**Reported:**
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	2/17/2022 3:58:46PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2208023-BLK1)									Prepared: 02/15/22 Analyzed: 02/16/22
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	*0.455*		*0.500*		*90.9*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.499*		*0.500*		*99.8*	*70-130*			
Surrogate: Toluene-d8	*0.511*		*0.500*		*102*	*70-130*			
LCS (2208023-BS2)									Prepared: 02/15/22 Analyzed: 02/16/22
Gasoline Range Organics (C6-C10)	62.8	20.0	50.0		126	70-130			
Surrogate: Bromofluorobenzene	*0.467*		*0.500*		*93.4*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.501*		*0.500*		*100*	*70-130*			
Surrogate: Toluene-d8	*0.522*		*0.500*		*104*	*70-130*			
Matrix Spike (2208023-MS2)				**Source: E202053-01**					Prepared: 02/15/22 Analyzed: 02/16/22
Gasoline Range Organics (C6-C10)	64.0	20.0	50.0	ND	128	70-130			
Surrogate: Bromofluorobenzene	*0.468*		*0.500*		*93.5*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.491*		*0.500*		*98.2*	*70-130*			
Surrogate: Toluene-d8	*0.529*		*0.500*		*106*	*70-130*			
Matrix Spike Dup (2208023-MSD2)				**Source: E202053-01**					Prepared: 02/15/22 Analyzed: 02/16/22
Gasoline Range Organics (C6-C10)	60.7	20.0	50.0	ND	121	70-130	5.34	20	
Surrogate: Bromofluorobenzene	*0.470*		*0.500*		*94.0*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.486*		*0.500*		*97.1*	*70-130*			
Surrogate: Toluene-d8	*0.533*		*0.500*		*107*	*70-130*			

QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	Enterprise A-18	**Reported:**
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	2/17/2022 3:58:46PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2208039-BLK1)									Prepared: 02/15/22 Analyzed: 02/16/22
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*54.9*		*50.0*		*110*	*50-200*			
LCS (2208039-BS1)									Prepared: 02/15/22 Analyzed: 02/16/22
Diesel Range Organics (C10-C28)	542	25.0	500		108	38-132			
Surrogate: n-Nonane	*51.2*		*50.0*		*102*	*50-200*			
Matrix Spike (2208039-MS1)				**Source: E202083-04**					Prepared: 02/15/22 Analyzed: 02/16/22
Diesel Range Organics (C10-C28)	552	25.0	500	ND	110	38-132			
Surrogate: n-Nonane	*52.3*		*50.0*		*105*	*50-200*			
Matrix Spike Dup (2208039-MSD1)				**Source: E202083-04**					Prepared: 02/15/22 Analyzed: 02/16/22
Diesel Range Organics (C10-C28)	541	25.0	500	ND	108	38-132	2.07	20	
Surrogate: n-Nonane	*50.8*		*50.0*		*102*	*50-200*			

QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	Enterprise A-18	**Reported:**
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	2/17/2022 3:58:46PM

Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2208035-BLK1)									Prepared: 02/15/22 Analyzed: 02/15/22
Chloride	ND	20.0							
LCS (2208035-BS1)									Prepared: 02/15/22 Analyzed: 02/15/22
Chloride	272	20.0	250		109	90-110			
Matrix Spike (2208035-MS1)				**Source: E202055-01**					Prepared: 02/15/22 Analyzed: 02/15/22
Chloride	323	20.0	250	77.4	98.2	80-120			
Matrix Spike Dup (2208035-MSD1)				**Source: E202055-01**					Prepared: 02/15/22 Analyzed: 02/15/22
Chloride	294	20.0	250	77.4	86.5	80-120	9.47	20	

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Definitions and Notes

Souder Miller Associates - Carlsbad	Project Name:	Enterprise A-18	
201 S Halagueno St.	Project Number:	97057-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	02/17/22 15:58

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Project Information | Chain of Custody | Page 1 of 1

STD 5 day

Client: SMA Carlsbad	Bill To
Project: Enterprise A-18	Attention: Enterprise
Project Manager: Ashley Maxwell	Address:
Address:	City, State, Zip
City, State, Zip	Phone:
Phone:	Email:
Email:	
Report due by:	

Lab Use Only: Lab WO# PE2202039 | Job Number 97057-0001

TAT: 1D | 3D

EPA Program: RCRA | CWA | SDWA

State: NM | CO | UT | AZ

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC - NM	BGDOC - TX			Remarks
1423	2/10	SOIL	1	BH02 @ 8-9'	1									X				
1425	2/10	SOIL	1	BH02 @ 10.5-11.5'	2									X				
1520	2/10	SOIL	1	BH03 @ 7-8'	3									X				
1525	2/10	SOIL	1	BH03 @ 9.5-11'	4									X				
1608	2/10	SOIL	1	BH04 @ 10-11'	5									X				
1615	2/10	SOIL	1	BH04 @ 11.5-13'	6									X				

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: Sarahmay, Pat, & Heather

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	02/11/22	11:00		2-11-22	11:46
	2-11-22	1600	Caitlin Christian	2/12/22	10:30

Lab Use Only: Received on ice: (Y) / N

T1 ____ T2 ____ T3 ____

AVG Temp °C 4

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other ____

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

envirotech Analytical Laboratory
envirotech-inc.com
labadmin@envirotech-inc.com

Envirotech Analytical Laboratory

Printed: 2/14/2022 2:04:16PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Souder Miller Associates - Carlsbad	Date Received:	02/12/22 10:30	Work Order ID:	E202063
Phone:	(505) 325-7535	Date Logged In:	02/11/22 15:27	Logged In By:	Caitlin Christian
Email:	ashley.maxwell@soudermiller.com	Due Date:	02/18/22 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courrier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes	

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: 4°C		

Sample Container

14. Are aqueous VOC samples present?	No	
15. Are VOC samples collected in VOA Vials?	NA	
16. Is the head space less than 6-8 mm (pea sized or less)?	NA	
17. Was a trip blank (TB) included for VOC analyses?	NA	
18. Are non-VOC samples collected in the correct containers?	Yes	
19. Is the appropriate volume/weight or number of sample containers collected?	Yes	

Field Label

20. Were field sample labels filled out with the minimum information:		
Sample ID?	Yes	
Date/Time Collected?	Yes	
Collectors name?	No	

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No	
22. Are sample(s) correctly preserved?	NA	
24. Is lab filteration required and/or requested for dissolved metals?	No	

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase?	No	
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA	

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: na

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

Report to:

Ashley Maxwell

5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Souder Miller Associates - Carlsbad

Project Name:	A - 18 Lateral
Work Order:	E204044
Job Number:	97057-0001
Received:	4/8/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
4/15/22

Date Reported: 4/15/22

Ashley Maxwell
201 S Halagueno St.
Carlsbad, NM 88220

Project Name: A - 18 Lateral
Workorder: E204044
Date Received: 4/8/2022 3:00:00PM

Ashley Maxwell,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 4/8/2022 3:00:00PM, under the Project Name: A - 18 Lateral.

The analytical test results summarized in this report with the Project Name: A - 18 Lateral apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

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Table of Contents

Sample Summary

Souder Miller Associates - Carlsbad	Project Name:	A - 18 Lateral	**Reported:**
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	04/15/22 13:50

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH05 @ 14 - 15'	E204044-01A	Soil	04/05/22	04/08/22	Glass Jar, 4 oz.
BH05 @ 16 - 17'	E204044-02A	Soil	04/05/22	04/08/22	Glass Jar, 4 oz.
BH05 @ 20'	E204044-03A	Soil	04/05/22	04/08/22	Glass Jar, 4 oz.
BH05 @ 24'	E204044-04A	Soil	04/05/22	04/08/22	Glass Jar, 4 oz.
BH06 @ 11.5'	E204044-05A	Soil	04/05/22	04/08/22	Glass Jar, 4 oz.
BH06 @ 15'	E204044-06A	Soil	04/05/22	04/08/22	Glass Jar, 4 oz.
BH07 @ 16'	E204044-07A	Soil	04/06/22	04/08/22	Glass Jar, 4 oz.
BH07 @ 19.5	E204044-08A	Soil	04/06/22	04/08/22	Glass Jar, 4 oz.
BH07 @ 21	E204044-09A	Soil	04/06/22	04/08/22	Glass Jar, 4 oz.
BH07 @ 25	E204044-10A	Soil	04/06/22	04/08/22	Glass Jar, 4 oz.
BH07 @ 25.5	E204044-11A	Soil	04/06/22	04/08/22	Glass Jar, 4 oz.
BH07 @ 28	E204044-12A	Soil	04/06/22	04/08/22	Glass Jar, 4 oz.

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	A - 18 Lateral	
201 S Halagueno St.	Project Number:	97057-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	4/15/2022 1:50:21PM

BH05 @ 14 - 15'

E204044-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2216015
Benzene	**15.8**	1.25	50	04/11/22	04/15/22	
Ethylbenzene	**15.9**	1.25	50	04/11/22	04/15/22	
Toluene	**104**	1.25	50	04/11/22	04/15/22	
o-Xylene	**27.5**	1.25	50	04/11/22	04/15/22	
p,m-Xylene	**98.1**	2.50	50	04/11/22	04/15/22	
Total Xylenes	**126**	1.25	50	04/11/22	04/15/22	
Surrogate: 4-Bromochlorobenzene-PID		*107 %*	*70-130*	*04/11/22*	*04/15/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2216015
Gasoline Range Organics (C6-C10)	**2660**	1000	50	04/11/22	04/15/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.3 %*	*70-130*	*04/11/22*	*04/15/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2216056
Diesel Range Organics (C10-C28)	**1560**	25.0	1	04/13/22	04/14/22	
Oil Range Organics (C28-C36)	**282**	50.0	1	04/13/22	04/14/22	
Surrogate: n-Nonane		*349 %*	*50-200*	*04/13/22*	*04/14/22*	*S5*
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2216048
Chloride	**170**	20.0	1	04/13/22	04/14/22	

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	A - 18 Lateral	
201 S Halagueno St.	Project Number:	97057-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	4/15/2022 1:50:21PM

BH05 @ 16 - 17'

E204044-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2216015
Benzene	**2.57**	0.500	20	04/11/22	04/15/22	
Ethylbenzene	**8.93**	0.500	20	04/11/22	04/15/22	
Toluene	**28.9**	0.500	20	04/11/22	04/15/22	
o-Xylene	**14.5**	0.500	20	04/11/22	04/15/22	
p,m-Xylene	**49.9**	1.00	20	04/11/22	04/15/22	
Total Xylenes	**64.4**	0.500	20	04/11/22	04/15/22	
Surrogate: 4-Bromochlorobenzene-PID		*108 %*	*70-130*	*04/11/22*	*04/15/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2216015
Gasoline Range Organics (C6-C10)	**1380**	400	20	04/11/22	04/15/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.1 %*	*70-130*	*04/11/22*	*04/15/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2216056
Diesel Range Organics (C10-C28)	**887**	25.0	1	04/13/22	04/14/22	
Oil Range Organics (C28-C36)	**180**	50.0	1	04/13/22	04/14/22	
Surrogate: n-Nonane		*221 %*	*50-200*	*04/13/22*	*04/14/22*	*S5*
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2216048
Chloride	**395**	20.0	1	04/13/22	04/13/22	

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	A - 18 Lateral	
201 S Halagueno St.	Project Number:	97057-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	4/15/2022 1:50:21PM

BH05 @ 20'

E204044-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2216015
Benzene	**2.06**	0.500	20	04/11/22	04/15/22	
Ethylbenzene	**9.62**	0.500	20	04/11/22	04/15/22	
Toluene	**28.3**	0.500	20	04/11/22	04/15/22	
o-Xylene	**15.1**	0.500	20	04/11/22	04/15/22	
p,m-Xylene	**52.4**	1.00	20	04/11/22	04/15/22	
Total Xylenes	**67.5**	0.500	20	04/11/22	04/15/22	
Surrogate: 4-Bromochlorobenzene-PID		*103 %*	*70-130*	*04/11/22*	*04/15/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2216015
Gasoline Range Organics (C6-C10)	**1470**	400	20	04/11/22	04/15/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.3 %*	*70-130*	*04/11/22*	*04/15/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2216056
Diesel Range Organics (C10-C28)	**913**	25.0	1	04/13/22	04/14/22	
Oil Range Organics (C28-C36)	**587**	50.0	1	04/13/22	04/14/22	
Surrogate: n-Nonane		*304 %*	*50-200*	*04/13/22*	*04/14/22*	*S5*
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2216048
Chloride	**111**	20.0	1	04/13/22	04/13/22	

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	A - 18 Lateral	
201 S Halagueno St.	Project Number:	97057-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	4/15/2022 1:50:21PM

BH05 @ 24'

E204044-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2216015
Benzene	**0.101**	0.0250	1	04/11/22	04/15/22	
Ethylbenzene	**1.10**	0.0250	1	04/11/22	04/15/22	
Toluene	**2.58**	0.0250	1	04/11/22	04/15/22	
o-Xylene	**1.71**	0.0250	1	04/11/22	04/15/22	
p,m-Xylene	**5.92**	0.0500	1	04/11/22	04/15/22	
Total Xylenes	**7.63**	0.0250	1	04/11/22	04/15/22	
Surrogate: 4-Bromochlorobenzene-PID		*107 %*	*70-130*	*04/11/22*	*04/15/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2216015
Gasoline Range Organics (C6-C10)	**175**	20.0	1	04/11/22	04/15/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.1 %*	*70-130*	*04/11/22*	*04/15/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2216056
Diesel Range Organics (C10-C28)	**261**	25.0	1	04/13/22	04/14/22	
Oil Range Organics (C28-C36)	**181**	50.0	1	04/13/22	04/14/22	
Surrogate: n-Nonane		*166 %*	*50-200*	*04/13/22*	*04/14/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2216048
Chloride	**257**	20.0	1	04/13/22	04/13/22	

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	A - 18 Lateral	
201 S Halagueno St.	Project Number:	97057-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	4/15/2022 1:50:21PM

BH06 @ 11.5'

E204044-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2216015
Benzene	ND	0.0250	1	04/11/22	04/14/22	
Ethylbenzene	ND	0.0250	1	04/11/22	04/14/22	
Toluene	ND	0.0250	1	04/11/22	04/14/22	
o-Xylene	ND	0.0250	1	04/11/22	04/14/22	
p,m-Xylene	ND	0.0500	1	04/11/22	04/14/22	
Total Xylenes	ND	0.0250	1	04/11/22	04/14/22	
Surrogate: 4-Bromochlorobenzene-PID		*97.2 %*	*70-130*	*04/11/22*	*04/14/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2216015
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/11/22	04/14/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.4 %*	*70-130*	*04/11/22*	*04/14/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2216056
Diesel Range Organics (C10-C28)	ND	25.0	1	04/13/22	04/14/22	
Oil Range Organics (C28-C36)	ND	50.0	1	04/13/22	04/14/22	
Surrogate: n-Nonane		*125 %*	*50-200*	*04/13/22*	*04/14/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2216048
Chloride	ND	20.0	1	04/13/22	04/13/22	

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	A - 18 Lateral	
201 S Halagueno St.	Project Number:	97057-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	4/15/2022 1:50:21PM

BH06 @ 15'

E204044-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2216015
Benzene	ND	0.0250	1	04/11/22	04/14/22	
Ethylbenzene	ND	0.0250	1	04/11/22	04/14/22	
Toluene	ND	0.0250	1	04/11/22	04/14/22	
o-Xylene	ND	0.0250	1	04/11/22	04/14/22	
p,m-Xylene	ND	0.0500	1	04/11/22	04/14/22	
Total Xylenes	ND	0.0250	1	04/11/22	04/14/22	
Surrogate: 4-Bromochlorobenzene-PID		*96.9 %*	*70-130*	*04/11/22*	*04/14/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2216015
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/11/22	04/14/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.1 %*	*70-130*	*04/11/22*	*04/14/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2216056
Diesel Range Organics (C10-C28)	**95.3**	25.0	1	04/13/22	04/14/22	
Oil Range Organics (C28-C36)	**210**	50.0	1	04/13/22	04/14/22	
Surrogate: n-Nonane		*120 %*	*50-200*	*04/13/22*	*04/14/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2216048
Chloride	**44.2**	20.0	1	04/13/22	04/13/22	

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	A - 18 Lateral	
201 S Halagueno St.	Project Number:	97057-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	4/15/2022 1:50:21PM

BH07 @ 16'

E204044-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2216015
Benzene	ND	0.0250	1	04/11/22	04/14/22	
Ethylbenzene	**0.216**	0.0250	1	04/11/22	04/14/22	
Toluene	**0.155**	0.0250	1	04/11/22	04/14/22	
o-Xylene	**0.158**	0.0250	1	04/11/22	04/14/22	
p,m-Xylene	**0.690**	0.0500	1	04/11/22	04/14/22	
Total Xylenes	**0.848**	0.0250	1	04/11/22	04/14/22	
Surrogate: 4-Bromochlorobenzene-PID		*94.2 %*	*70-130*	*04/11/22*	*04/14/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2216015
Gasoline Range Organics (C6-C10)	**55.5**	20.0	1	04/11/22	04/14/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.1 %*	*70-130*	*04/11/22*	*04/14/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2216056
Diesel Range Organics (C10-C28)	**236**	25.0	1	04/13/22	04/14/22	
Oil Range Organics (C28-C36)	ND	50.0	1	04/13/22	04/14/22	
Surrogate: n-Nonane		*113 %*	*50-200*	*04/13/22*	*04/14/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2216048
Chloride	**35.3**	20.0	1	04/13/22	04/14/22	

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	A - 18 Lateral	
201 S Halagueno St.	Project Number:	97057-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	4/15/2022 1:50:21PM

BH07 @ 19.5

E204044-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2216015
Benzene	ND	0.0250	1	04/11/22	04/14/22	
Ethylbenzene	**0.669**	0.0250	1	04/11/22	04/14/22	
Toluene	**0.164**	0.0250	1	04/11/22	04/14/22	
o-Xylene	**0.511**	0.0250	1	04/11/22	04/14/22	
p,m-Xylene	**1.84**	0.0500	1	04/11/22	04/14/22	
Total Xylenes	**2.35**	0.0250	1	04/11/22	04/14/22	
Surrogate: 4-Bromochlorobenzene-PID		*92.8 %*	*70-130*	*04/11/22*	*04/14/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2216015
Gasoline Range Organics (C6-C10)	**67.8**	20.0	1	04/11/22	04/14/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.7 %*	*70-130*	*04/11/22*	*04/14/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2216056
Diesel Range Organics (C10-C28)	**322**	25.0	1	04/13/22	04/14/22	
Oil Range Organics (C28-C36)	ND	50.0	1	04/13/22	04/14/22	
Surrogate: n-Nonane		*107 %*	*50-200*	*04/13/22*	*04/14/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2216048
Chloride	**86.3**	20.0	1	04/13/22	04/14/22	

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	A - 18 Lateral	
201 S Halagueno St.	Project Number:	97057-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	4/15/2022 1:50:21PM

BH07 @ 21

E204044-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2216015
Benzene	ND	0.0250	1	04/11/22	04/14/22	
Ethylbenzene	**2.33**	0.0250	1	04/11/22	04/14/22	
Toluene	**0.700**	0.0250	1	04/11/22	04/14/22	
o-Xylene	**1.96**	0.0250	1	04/11/22	04/14/22	
p,m-Xylene	**7.33**	0.0500	1	04/11/22	04/14/22	
Total Xylenes	**9.29**	0.0250	1	04/11/22	04/14/22	
Surrogate: 4-Bromochlorobenzene-PID		*94.6 %*	*70-130*	*04/11/22*	*04/14/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2216015
Gasoline Range Organics (C6-C10)	**189**	20.0	1	04/11/22	04/14/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*99.7 %*	*70-130*	*04/11/22*	*04/14/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2216056
Diesel Range Organics (C10-C28)	**594**	25.0	1	04/13/22	04/14/22	
Oil Range Organics (C28-C36)	ND	50.0	1	04/13/22	04/14/22	
Surrogate: n-Nonane		*142 %*	*50-200*	*04/13/22*	*04/14/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2216048
Chloride	**110**	20.0	1	04/13/22	04/14/22	

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	A - 18 Lateral	
201 S Halagueno St.	Project Number:	97057-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	4/15/2022 1:50:21PM

BH07 @ 25

E204044-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2216015
Benzene	**0.138**	0.0250	1	04/11/22	04/14/22	
Ethylbenzene	**2.65**	0.0250	1	04/11/22	04/14/22	
Toluene	**3.58**	0.0250	1	04/11/22	04/14/22	
o-Xylene	**3.38**	0.0250	1	04/11/22	04/14/22	
p,m-Xylene	**10.8**	0.0500	1	04/11/22	04/14/22	
Total Xylenes	**14.1**	0.0250	1	04/11/22	04/14/22	
Surrogate: 4-Bromochlorobenzene-PID		*90.2 %*	*70-130*	*04/11/22*	*04/14/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2216015
Gasoline Range Organics (C6-C10)	**229**	20.0	1	04/11/22	04/14/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*99.3 %*	*70-130*	*04/11/22*	*04/14/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2216056
Diesel Range Organics (C10-C28)	**435**	25.0	1	04/13/22	04/14/22	
Oil Range Organics (C28-C36)	**123**	50.0	1	04/13/22	04/14/22	
Surrogate: n-Nonane		*90.3 %*	*50-200*	*04/13/22*	*04/14/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2216048
Chloride	**138**	20.0	1	04/13/22	04/14/22	

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	A - 18 Lateral	
201 S Halagueno St.	Project Number:	97057-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	4/15/2022 1:50:21PM

BH07 @ 25.5

E204044-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2216015
Benzene	**5.51**	1.25	50	04/11/22	04/15/22	
Ethylbenzene	**12.4**	1.25	50	04/11/22	04/15/22	
Toluene	**47.0**	1.25	50	04/11/22	04/15/22	
o-Xylene	**19.6**	1.25	50	04/11/22	04/15/22	
p,m-Xylene	**75.0**	2.50	50	04/11/22	04/15/22	
Total Xylenes	**94.6**	1.25	50	04/11/22	04/15/22	
Surrogate: 4-Bromochlorobenzene-PID		*98.6 %*	*70-130*	*04/11/22*	*04/15/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2216015
Gasoline Range Organics (C6-C10)	**1220**	1000	50	04/11/22	04/15/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.8 %*	*70-130*	*04/11/22*	*04/15/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2216056
Diesel Range Organics (C10-C28)	**398**	25.0	1	04/13/22	04/14/22	
Oil Range Organics (C28-C36)	ND	50.0	1	04/13/22	04/14/22	
Surrogate: n-Nonane		*202 %*	*50-200*	*04/13/22*	*04/14/22*	*S5*
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2216048
Chloride	**55.4**	20.0	1	04/13/22	04/14/22	

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	A - 18 Lateral	
201 S Halagueno St.	Project Number:	97057-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	4/15/2022 1:50:21PM

BH07 @ 28

E204044-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2216015
Benzene	ND	0.0250	1	04/11/22	04/15/22	
Ethylbenzene	**0.546**	0.0250	1	04/11/22	04/15/22	
Toluene	**0.380**	0.0250	1	04/11/22	04/15/22	
o-Xylene	**0.845**	0.0250	1	04/11/22	04/15/22	
p,m-Xylene	**2.45**	0.0500	1	04/11/22	04/15/22	
Total Xylenes	**3.30**	0.0250	1	04/11/22	04/15/22	
Surrogate: 4-Bromochlorobenzene-PID		*94.7 %*	*70-130*	*04/11/22*	*04/15/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2216015
Gasoline Range Organics (C6-C10)	**54.3**	20.0	1	04/11/22	04/15/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.7 %*	*70-130*	*04/11/22*	*04/15/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2216056
Diesel Range Organics (C10-C28)	**98.9**	25.0	1	04/13/22	04/14/22	
Oil Range Organics (C28-C36)	ND	50.0	1	04/13/22	04/14/22	
Surrogate: n-Nonane		*86.4 %*	*50-200*	*04/13/22*	*04/14/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2216048
Chloride	**264**	20.0	1	04/13/22	04/14/22	

QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	A - 18 Lateral	**Reported:**
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	4/15/2022 1:50:21PM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2216015-BLK1)									Prepared: 04/11/22 Analyzed: 04/14/22
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*6.13*		*8.00*		*76.7*	*70-130*			
LCS (2216015-BS1)									Prepared: 04/11/22 Analyzed: 04/14/22
Benzene	5.03	0.0250	5.00		101	70-130			
Ethylbenzene	4.66	0.0250	5.00		93.1	70-130			
Toluene	4.93	0.0250	5.00		98.6	70-130			
o-Xylene	4.84	0.0250	5.00		96.8	70-130			
p,m-Xylene	9.59	0.0500	10.0		95.9	70-130			
Total Xylenes	14.4	0.0250	15.0		96.2	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*6.80*		*8.00*		*85.0*	*70-130*			
Matrix Spike (2216015-MS1)				**Source: E204044-02**					Prepared: 04/11/22 Analyzed: 04/15/22
Benzene	102	0.500	100	2.57	99.0	54-133			
Ethylbenzene	103	0.500	100	8.93	94.5	61-133			
Toluene	119	0.500	100	28.9	89.7	61-130			
o-Xylene	113	0.500	100	14.5	98.8	63-131			
p,m-Xylene	227	1.00	200	49.9	88.7	63-131			
Total Xylenes	341	0.500	300	64.4	92.0	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*173*		*160*		*108*	*70-130*			
Matrix Spike Dup (2216015-MSD1)				**Source: E204044-02**					Prepared: 04/11/22 Analyzed: 04/15/22
Benzene	103	0.500	100	2.57	100	54-133	1.04	20	
Ethylbenzene	103	0.500	100	8.93	94.3	61-133	0.117	20	
Toluene	115	0.500	100	28.9	86.6	61-130	2.64	20	
o-Xylene	112	0.500	100	14.5	97.3	63-131	1.38	20	
p,m-Xylene	223	1.00	200	49.9	86.7	63-131	1.72	20	
Total Xylenes	335	0.500	300	64.4	90.2	63-131	1.61	20	
Surrogate: 4-Bromochlorobenzene-PID	*174*		*160*		*109*	*70-130*			

QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	A - 18 Lateral	**Reported:**
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	4/15/2022 1:50:21PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2216015-BLK1)									Prepared: 04/11/22 Analyzed: 04/14/22
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.03*		*8.00*		*87.8*	*70-130*			
LCS (2216015-BS2)									Prepared: 04/11/22 Analyzed: 04/14/22
Gasoline Range Organics (C6-C10)	48.8	20.0	50.0		97.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.14*		*8.00*		*89.3*	*70-130*			
Matrix Spike (2216015-MS2)				**Source: E204044-02**					Prepared: 04/11/22 Analyzed: 04/15/22
Gasoline Range Organics (C6-C10)	2230	400	1000	1380	85.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*148*		*160*		*92.6*	*70-130*			
Matrix Spike Dup (2216015-MSD2)				**Source: E204044-02**					Prepared: 04/11/22 Analyzed: 04/15/22
Gasoline Range Organics (C6-C10)	1860	400	1000	1380	47.9	70-130	18.3	20	M2
Surrogate: 1-Chloro-4-fluorobenzene-FID	*147*		*160*		*91.6*	*70-130*			

QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	A - 18 Lateral	**Reported:**
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	4/15/2022 1:50:21PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2216056-BLK1)									Prepared: 04/13/22 Analyzed: 04/14/22
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*54.8*		*50.0*		*110*	*50-200*			
LCS (2216056-BS1)									Prepared: 04/13/22 Analyzed: 04/14/22
Diesel Range Organics (C10-C28)	417	25.0	500		83.3	38-132			
Surrogate: n-Nonane	*52.8*		*50.0*		*106*	*50-200*			
Matrix Spike (2216056-MS1)				**Source: E204044-02**					Prepared: 04/13/22 Analyzed: 04/14/22
Diesel Range Organics (C10-C28)	538	25.0	500	887	NR	38-132			M2
Surrogate: n-Nonane	*47.9*		*50.0*		*95.9*	*50-200*			
Matrix Spike Dup (2216056-MSD1)				**Source: E204044-02**					Prepared: 04/13/22 Analyzed: 04/14/22
Diesel Range Organics (C10-C28)	598	25.0	500	887	NR	38-132	10.5	20	M2
Surrogate: n-Nonane	*65.9*		*50.0*		*132*	*50-200*			

QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	A - 18 Lateral	**Reported:**
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	4/15/2022 1:50:21PM

Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2216048-BLK1)									Prepared: 04/13/22 Analyzed: 04/13/22
Chloride	ND	20.0							
LCS (2216048-BS1)									Prepared: 04/13/22 Analyzed: 04/14/22
Chloride	273	20.0	250		109	90-110			
Matrix Spike (2216048-MS1)				**Source: E204044-01**					Prepared: 04/13/22 Analyzed: 04/14/22
Chloride	455	20.0	250	170	114	80-120			
Matrix Spike Dup (2216048-MSD1)				**Source: E204044-01**					Prepared: 04/13/22 Analyzed: 04/14/22
Chloride	468	20.0	250	170	119	80-120	2.71	20	

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Definitions and Notes

Souder Miller Associates - Carlsbad	Project Name:	A - 18 Lateral	
201 S Halagueno St.	Project Number:	97057-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	04/15/22 13:50

M2	Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.
S5	Surrogate spike recovery exceeded acceptance limits due to interfering target and/or non-target analytes.
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

STD 5 day

Client: SMA	Bill To	Lab Use Only	TAT / EPA Program
Project: A-18 Lateral	Attention: Enterprise	Lab WO#: PE204044	Job Number: 97057-0001
Project Manager: Ashley Maxwell	Address:	Analysis and Method	State: NM X, CO, UT, AZ, TX, OK
Address:	City, State, Zip		1D, 3D, RCRA, CWA, SDWA
City, State, Zip	Phone:		
Phone:	Email:		
Email:	WO# rd22121		
Report due by:			

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC - NM	BGDOC - TX			Remarks
1015	4/5	Soil	1	BH05 @ 14-15'	1									X				
1253	4/5	Soil	1	BH05 @ 16-17'	2									X				
1325	4/5	Soil	1	BH05 @ 20'	3									X				
1523	4/5	Soil	1	BH05 @ 24'	4									X				
1639	4/5	Soil	1	BH06 @ 11.5'	5									X				
1637	4/5	Soil	1	BH06 @ 15'	6									X				
0847	4/6	Soil	1	BH07 @ 16'	7									X				
0946	4/6	Soil	1	BH07 @ 19.5	8									X				
0947	4/6	Soil	1	BH07 @ 21	9									X				
1039	4/6	Soil	1	BH07 @ 25	10									X				

Additional Instructions: please send report to Ashley as well as Sarahmay Schea at sarahmay.schea@soudermiller.com

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by:

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Lab Use Only
[signature]	4/7/22	1404	[signature]	4/7/22	14:04	Received on ice: (Y) / N
[signature]	4/7/22	17:30	[signature]	4/8/22	15:00	T1 ___ T2 ___ T3 ___
						AVG Temp °C 4

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other ______

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

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Project Information | Chain of Custody | Page 2 of 2

STD 5 day

Client: SMA	Bill To	Lab Use Only	TAT / EPA Program
Project: A-18 Lateral	Attention: Enterprise	Lab WO# PE204044	Job Number 97057-0001
Project Manager: Ashley Maxwell	Address:	1D 3D	RCRA CWA SDWA
Address:	City, State, Zip	Analysis and Method	State: NM CO UT AZ
City, State, Zip	Phone:		TX OK
Phone:	Email:		
Email:	WO# rd 22121		
Report due by:			

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC - NM	BGDOC - TX			Remarks
1035																		
1144	4/6	soil	1	BH07 @ 25.5	11									X				
1141	4/6	soil	1	BH07 @ 28	12									X				

Additional Instructions: please send report to Ashley as well as Sarahmay Schlea at sarahmay.schlea@soudermiller.com

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: _____

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	4/7/22	1404	J R Bradley	4/7/22	14:27
J R Bradley	4/7/22	17:30			

Lab Use Only
Received on ice: Y / N
T1 T2 T3
AVG Temp °C

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

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Envirotech Analytical Laboratory

Printed: 4/11/2022 11:42:24AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Souder Miller Associates - Carlsbad	Date Received:	04/08/22 15:00	Work Order ID:	E204044
Phone:	(505) 325-7535	Date Logged In:	04/08/22 11:33	Logged In By:	Caitlin Christian
Email:	ashley.maxwell@soudermiller.com	Due Date:	04/14/22 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Carrier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes	

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: 4°C		

Sample Container

14. Are aqueous VOC samples present?	No	
15. Are VOC samples collected in VOA Vials?	NA	
16. Is the head space less than 6-8 mm (pea sized or less)?	NA	
17. Was a trip blank (TB) included for VOC analyses?	NA	
18. Are non-VOC samples collected in the correct containers?	Yes	
19. Is the appropriate volume/weight or number of sample containers collected?	Yes	

Field Label

20. Were field sample labels filled out with the minimum information:		
Sample ID?	Yes	
Date/Time Collected?	Yes	
Collectors name?	No	

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No	
22. Are sample(s) correctly preserved?	NA	
24. Is lab filteration required and/or requested for dissolved metals?	No	

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase?	No	
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA	

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: na

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

Report to:

Ashley Maxwell

5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com

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Practical Solutions for a Better Tomorrow

Analytical Report

Souder Miller Associates - Carlsbad

Project Name:	Enterprise A-18
Work Order:	E207068
Job Number:	97057-0001
Received:	7/14/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
7/15/22

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.
Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 7/15/22

Ashley Maxwell
201 S Halagueno St.
Carlsbad, NM 88220

Project Name: Enterprise A-18
Workorder: E207068
Date Received: 7/14/2022 2:30:00PM

Ashley Maxwell,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/14/2022 2:30:00PM, under the Project Name: Enterprise A-18.

The analytical test results summarized in this report with the Project Name: Enterprise A-18 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Alexa Michaels
Sample Custody Officer
Office: 505-632-1881
labadmin@envirotech-inc.com

Field Offices:

Southern New Mexico Area
Lynn Jarboe
Technical Representative/Client Services
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@envirotech-inc.com

West Texas Midland/Odessa Area
Rayny Hagan
Technical Representative
Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Sample Summary

Souder Miller Associates - Carlsbad	Project Name:	Enterprise A-18	**Reported:**
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	07/15/22 14:26

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH08 @ 38 - 39'	E207068-01A	Soil	07/06/22	07/14/22	Glass Jar, 4 oz.
BH08 @ 43 - 43.75'	E207068-02A	Soil	07/06/22	07/14/22	Glass Jar, 4 oz.
BH08 @ 44.75 - 45'	E207068-03A	Soil	07/06/22	07/14/22	Glass Jar, 4 oz.
BH08 @ 47.5 - 47.75'	E207068-04A	Soil	07/06/22	07/14/22	Glass Jar, 4 oz.
BH08 @ 49.75 - 50'	E207068-05A	Soil	07/06/22	07/14/22	Glass Jar, 4 oz.

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	Enterprise A-18	
201 S Halagueno St.	Project Number:	97057-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	7/15/2022 2:26:32PM

BH08 @ 38 - 39'

E207068-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2229067
Benzene	ND	0.0250	1	07/14/22	07/15/22	
Ethylbenzene	ND	0.0250	1	07/14/22	07/15/22	
Toluene	ND	0.0250	1	07/14/22	07/15/22	
o-Xylene	ND	0.0250	1	07/14/22	07/15/22	
p,m-Xylene	ND	0.0500	1	07/14/22	07/15/22	
Total Xylenes	ND	0.0250	1	07/14/22	07/15/22	
Surrogate: 4-Bromochlorobenzene-PID		*97.8 %*	*70-130*	*07/14/22*	*07/15/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2229067
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/14/22	07/15/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.9 %*	*70-130*	*07/14/22*	*07/15/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2229070
Diesel Range Organics (C10-C28)	ND	25.0	1	07/14/22	07/14/22	
Oil Range Organics (C28-C36)	ND	50.0	1	07/14/22	07/14/22	
Surrogate: n-Nonane		*96.0 %*	*50-200*	*07/14/22*	*07/14/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2229069
Chloride	ND	20.0	1	07/14/22	07/15/22	

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	Enterprise A-18	
201 S Halagueno St.	Project Number:	97057-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	7/15/2022 2:26:32PM

BH08 @ 43 - 43.75'

E207068-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2229067
Benzene	ND	0.0250	1	07/14/22	07/15/22	
Ethylbenzene	ND	0.0250	1	07/14/22	07/15/22	
Toluene	ND	0.0250	1	07/14/22	07/15/22	
o-Xylene	ND	0.0250	1	07/14/22	07/15/22	
p,m-Xylene	ND	0.0500	1	07/14/22	07/15/22	
Total Xylenes	ND	0.0250	1	07/14/22	07/15/22	
Surrogate: 4-Bromochlorobenzene-PID		*97.9 %*	*70-130*	*07/14/22*	*07/15/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2229067
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/14/22	07/15/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.1 %*	*70-130*	*07/14/22*	*07/15/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2229070
Diesel Range Organics (C10-C28)	ND	25.0	1	07/14/22	07/14/22	
Oil Range Organics (C28-C36)	ND	50.0	1	07/14/22	07/14/22	
Surrogate: n-Nonane		*95.9 %*	*50-200*	*07/14/22*	*07/14/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2229069
Chloride	**45.3**	20.0	1	07/14/22	07/15/22	

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	Enterprise A-18	
201 S Halagueno St.	Project Number:	97057-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	7/15/2022 2:26:32PM

BH08 @ 44.75 - 45'

E207068-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2229067
Benzene	ND	0.0250	1	07/14/22	07/15/22	
Ethylbenzene	ND	0.0250	1	07/14/22	07/15/22	
Toluene	ND	0.0250	1	07/14/22	07/15/22	
o-Xylene	ND	0.0250	1	07/14/22	07/15/22	
p,m-Xylene	ND	0.0500	1	07/14/22	07/15/22	
Total Xylenes	ND	0.0250	1	07/14/22	07/15/22	
Surrogate: 4-Bromochlorobenzene-PID		*98.3 %*	*70-130*	*07/14/22*	*07/15/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2229067
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/14/22	07/15/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.8 %*	*70-130*	*07/14/22*	*07/15/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2229070
Diesel Range Organics (C10-C28)	ND	25.0	1	07/14/22	07/14/22	
Oil Range Organics (C28-C36)	ND	50.0	1	07/14/22	07/14/22	
Surrogate: n-Nonane		*95.8 %*	*50-200*	*07/14/22*	*07/14/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2229069
Chloride	**26.1**	20.0	1	07/14/22	07/15/22	

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	Enterprise A-18	
201 S Halagueno St.	Project Number:	97057-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	7/15/2022 2:26:32PM

BH08 @ 47.5 - 47.75'

E207068-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2229067
Benzene	ND	0.0250	1	07/14/22	07/15/22	
Ethylbenzene	ND	0.0250	1	07/14/22	07/15/22	
Toluene	ND	0.0250	1	07/14/22	07/15/22	
o-Xylene	ND	0.0250	1	07/14/22	07/15/22	
p,m-Xylene	ND	0.0500	1	07/14/22	07/15/22	
Total Xylenes	ND	0.0250	1	07/14/22	07/15/22	
Surrogate: 4-Bromochlorobenzene-PID		*98.1 %*	*70-130*	*07/14/22*	*07/15/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2229067
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/14/22	07/15/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.3 %*	*70-130*	*07/14/22*	*07/15/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2229070
Diesel Range Organics (C10-C28)	**48.5**	25.0	1	07/14/22	07/14/22	
Oil Range Organics (C28-C36)	ND	50.0	1	07/14/22	07/14/22	
Surrogate: n-Nonane		*112 %*	*50-200*	*07/14/22*	*07/14/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2229069
Chloride	**26.6**	20.0	1	07/14/22	07/15/22	

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	Enterprise A-18	
201 S Halagueno St.	Project Number:	97057-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	7/15/2022 2:26:32PM

BH08 @ 49.75 - 50'

E207068-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2229067
Benzene	ND	0.0250	1	07/14/22	07/15/22	
Ethylbenzene	ND	0.0250	1	07/14/22	07/15/22	
Toluene	ND	0.0250	1	07/14/22	07/15/22	
o-Xylene	ND	0.0250	1	07/14/22	07/15/22	
p,m-Xylene	ND	0.0500	1	07/14/22	07/15/22	
Total Xylenes	ND	0.0250	1	07/14/22	07/15/22	
Surrogate: 4-Bromochlorobenzene-PID		*97.9 %*	*70-130*	*07/14/22*	*07/15/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2229067
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/14/22	07/15/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.7 %*	*70-130*	*07/14/22*	*07/15/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2229070
Diesel Range Organics (C10-C28)	**55.0**	25.0	1	07/14/22	07/14/22	
Oil Range Organics (C28-C36)	ND	50.0	1	07/14/22	07/14/22	
Surrogate: n-Nonane		*95.2 %*	*50-200*	*07/14/22*	*07/14/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2229069
Chloride	**20.6**	20.0	1	07/14/22	07/15/22	

QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	Enterprise A-18	**Reported:**
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	7/15/2022 2:26:32PM

Volatile Organics by EPA 8021B

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2229067-BLK1)									Prepared: 07/14/22 Analyzed: 07/15/22
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.75*		*8.00*		*96.9*	*70-130*			
LCS (2229067-BS1)									Prepared: 07/14/22 Analyzed: 07/15/22
Benzene	4.29	0.0250	5.00		85.8	70-130			
Ethylbenzene	3.89	0.0250	5.00		77.8	70-130			
Toluene	4.16	0.0250	5.00		83.1	70-130			
o-Xylene	4.17	0.0250	5.00		83.4	70-130			
p,m-Xylene	8.04	0.0500	10.0		80.4	70-130			
Total Xylenes	12.2	0.0250	15.0		81.4	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.94*		*8.00*		*99.2*	*70-130*			
LCS Dup (2229067-BSD1)									Prepared: 07/14/22 Analyzed: 07/15/22
Benzene	4.54	0.0250	5.00		90.7	70-130	5.52	20	
Ethylbenzene	4.09	0.0250	5.00		81.7	70-130	4.95	20	
Toluene	4.38	0.0250	5.00		87.7	70-130	5.31	20	
o-Xylene	4.40	0.0250	5.00		87.9	70-130	5.23	20	
p,m-Xylene	8.43	0.0500	10.0		84.3	70-130	4.81	20	
Total Xylenes	12.8	0.0250	15.0		85.5	70-130	4.95	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.89*		*8.00*		*98.6*	*70-130*			

QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	Enterprise A-18	**Reported:**
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	7/15/2022 2:26:32PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2229067-BLK1)									Prepared: 07/14/22 Analyzed: 07/15/22
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.24*		*8.00*		*90.5*	*70-130*			
LCS (2229067-BS2)									Prepared: 07/14/22 Analyzed: 07/15/22
Gasoline Range Organics (C6-C10)	41.5	20.0	50.0		83.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.37*		*8.00*		*92.1*	*70-130*			
LCS Dup (2229067-BSD2)									Prepared: 07/14/22 Analyzed: 07/15/22
Gasoline Range Organics (C6-C10)	43.4	20.0	50.0		86.9	70-130	4.48	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.37*		*8.00*		*92.1*	*70-130*			

QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	Enterprise A-18	**Reported:**
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	7/15/2022 2:26:32PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2229070-BLK1)									Prepared: 07/14/22 Analyzed: 07/14/22
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*50.9*		*50.0*		*102*	*50-200*			
LCS (2229070-BS1)									Prepared: 07/14/22 Analyzed: 07/14/22
Diesel Range Organics (C10-C28)	478	25.0	500		95.6	38-132			
Surrogate: n-Nonane	*51.6*		*50.0*		*103*	*50-200*			
Matrix Spike (2229070-MS1)				**Source: E207068-04**					Prepared: 07/14/22 Analyzed: 07/14/22
Diesel Range Organics (C10-C28)	498	25.0	500	48.5	89.9	38-132			
Surrogate: n-Nonane	*49.2*		*50.0*		*98.4*	*50-200*			
Matrix Spike Dup (2229070-MSD1)				**Source: E207068-04**					Prepared: 07/14/22 Analyzed: 07/14/22
Diesel Range Organics (C10-C28)	497	25.0	500	48.5	89.6	38-132	0.260	20	
Surrogate: n-Nonane	*49.9*		*50.0*		*99.7*	*50-200*			

QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	Enterprise A-18	**Reported:**
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	7/15/2022 2:26:32PM

Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2229069-BLK1)									Prepared: 07/14/22 Analyzed: 07/15/22
Chloride	ND	20.0							
LCS (2229069-BS1)									Prepared: 07/14/22 Analyzed: 07/15/22
Chloride	253	20.0	250		101	90-110			
LCS Dup (2229069-BSD1)									Prepared: 07/14/22 Analyzed: 07/15/22
Chloride	253	20.0	250		101	90-110	0.198	20	

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Definitions and Notes

Souder Miller Associates - Carlsbad	Project Name:	Enterprise A-18	
201 S Halagueno St.	Project Number:	97057-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	07/15/22 14:26

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Project Information | Chain of Custody | Page 1 of 1

2-DAY (7/15/22)

Client: Souder, Miller & Associates	Bill To
Project: Enterprise A-1B	Attention: Enterprise Field Services
Project Manager: Ashley Maxwell	Address:
Address: 201 S. Halagueno	City, State, Zip
City, State, Zip Carlsbad, NM 88220	Phone:
Phone: (505) 320-8975	Email:
Email: Ashley.Maxwell@soudermiller.com	
Report due by: 7/15/2022 (prelims)	

Lab Use Only: Lab WO# E207068 | Job Number 97057-0001

TAT: 1D | 3D

EPA Program: RCRA | CWA | SDWA

State: NM | CO | UT | AZ | TX | OK

Analysis and Method: DRO/ORO by 8015 | GRO/DRO by 8015 | BTEX by 8021 | VOC by 8260 | Metals 6010 | Chloride 300.0 | BGDOC - NM | BGDOC - TX

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	BGDOC - NM	Remarks
1300	7/6/22	S	1	BH08 @ 38-39'	1	X	
1427	7/6/22	S	1	BH08 @ 43-43.75'	2	X	
1430	7/6/22	S	1	BH08 @ 44.75-45'	3	X	
1505	7/6/22	S	1	BH08 @ 47.5-47.75'	4	X	
1510	7/6/22	S	1	BH08 @ 49.75-50'	5	X	

Additional Instructions: Please email to Heather Woods & Sarahmay Schlea

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by:

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Heather M. Woods	7/12/22	1745		7-12-22	5:45
	7-13-22	415		7/14/22	14:30

Lab Use Only: Received on ice: (Y) N

T1 ____ T2 ____ T3 ____

AVG Temp °C 4

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other ____

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

envirotech

Envirotech Analytical Laboratory

Printed: 7/14/2022 3:56:02PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Souder Miller Associates - Carlsbad	Date Received:	07/14/22 14:30	Work Order ID:	E207068
Phone:	(505) 325-7535	Date Logged In:	07/14/22 08:31	Logged In By:	Caitlin Christian
Email:	ashley.maxwell@soudermiller.com	Due Date:	07/15/22 17:00 (1 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes	

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: 4°C		

Sample Container

14. Are aqueous VOC samples present?	No	
15. Are VOC samples collected in VOA Vials?	NA	
16. Is the head space less than 6-8 mm (pea sized or less)?	NA	
17. Was a trip blank (TB) included for VOC analyses?	NA	
18. Are non-VOC samples collected in the correct containers?	Yes	
19. Is the appropriate volume/weight or number of sample containers collected?	Yes	

Field Label

20. Were field sample labels filled out with the minimum information:		
Sample ID?	Yes	
Date/Time Collected?	Yes	
Collectors name?	No	

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No	
22. Are sample(s) correctly preserved?	NA	
24. Is lab filteration required and/or requested for dissolved metals?	No	

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase?	No	
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA	

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: na

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

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

July 27, 2022

Heather Woods

Souder, Miller & Associates
201 S Halagueno
Carlsbad, NM 88221
TEL: (575) 689-8801
FAX:

RE: Enterprise A 18 OrderNo.: 2207923

Dear Heather Woods:

Hall Environmental Analysis Laboratory received 8 sample(s) on 7/20/2022 for the analyses presented in the following report.

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

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

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman

Laboratory Manager

4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **2207923**
Date Reported: **7/27/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates
Client Sample ID: BH09 @ 20-20.5
Project: Enterprise A 18
Collection Date: 7/7/2022 9:55:00 AM
Lab ID: 2207923-001 **Matrix:** MEOH (SOIL) **Received Date:** 7/20/2022 6:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **NAI**	
Chloride	ND	61		mg/Kg	20	7/22/2022 2:54:49 PM	68986
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	7/22/2022 6:06:09 PM	68971
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	7/22/2022 6:06:09 PM	68971
Surr: DNOP	82.4	21-129		%Rec	1	7/22/2022 6:06:09 PM	68971
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	3.8		mg/Kg	1	7/20/2022 3:14:19 PM	G89634
Surr: BFB	102	37.7-212		%Rec	1	7/20/2022 3:14:19 PM	G89634
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.019		mg/Kg	1	7/20/2022 3:14:19 PM	B89634
Toluene	ND	0.038		mg/Kg	1	7/20/2022 3:14:19 PM	B89634
Ethylbenzene	ND	0.038		mg/Kg	1	7/20/2022 3:14:19 PM	B89634
Xylenes, Total	ND	0.077		mg/Kg	1	7/20/2022 3:14:19 PM	B89634
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	1	7/20/2022 3:14:19 PM	B89634

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	Estimated value
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
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2207923**
Date Reported: **7/27/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates
Client Sample ID: BH09 @ 34.5-34.75
Project: Enterprise A 18
Collection Date: 7/7/2022 4:04:00 PM
Lab ID: 2207923-002 **Matrix:** MEOH (SOIL) **Received Date:** 7/20/2022 6:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **NAI**	
Chloride	ND	60		mg/Kg	20	7/22/2022 3:32:03 PM	68986
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	13		mg/Kg	1	7/22/2022 6:47:51 PM	68971
Motor Oil Range Organics (MRO)	ND	43		mg/Kg	1	7/22/2022 6:47:51 PM	68971
Surr: DNOP	82.2	21-129		%Rec	1	7/22/2022 6:47:51 PM	68971
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	5.3		mg/Kg	1	7/20/2022 3:38:19 PM	G89634
Surr: BFB	104	37.7-212		%Rec	1	7/20/2022 3:38:19 PM	G89634
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.026		mg/Kg	1	7/20/2022 3:38:19 PM	B89634
Toluene	ND	0.053		mg/Kg	1	7/20/2022 3:38:19 PM	B89634
Ethylbenzene	ND	0.053		mg/Kg	1	7/20/2022 3:38:19 PM	B89634
Xylenes, Total	ND	0.11		mg/Kg	1	7/20/2022 3:38:19 PM	B89634
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	1	7/20/2022 3:38:19 PM	B89634

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	Estimated value
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
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2207923**
Date Reported: **7/27/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates
Client Sample ID: BH09 @ 44.5-45
Project: Enterprise A 18
Collection Date: 7/8/2022 8:00:00 AM
Lab ID: 2207923-003
Matrix: MEOH (SOIL)
Received Date: 7/20/2022 6:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **NAI**	
Chloride	ND	60		mg/Kg	20	7/22/2022 3:44:28 PM	68986
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	26	15		mg/Kg	1	7/22/2022 7:01:40 PM	68971
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/22/2022 7:01:40 PM	68971
Surr: DNOP	106	21-129		%Rec	1	7/22/2022 7:01:40 PM	68971
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	3.4		mg/Kg	1	7/20/2022 4:02:21 PM	G89634
Surr: BFB	107	37.7-212		%Rec	1	7/20/2022 4:02:21 PM	G89634
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.017		mg/Kg	1	7/20/2022 4:02:21 PM	B89634
Toluene	ND	0.034		mg/Kg	1	7/20/2022 4:02:21 PM	B89634
Ethylbenzene	ND	0.034		mg/Kg	1	7/20/2022 4:02:21 PM	B89634
Xylenes, Total	ND	0.067		mg/Kg	1	7/20/2022 4:02:21 PM	B89634
Surr: 4-Bromofluorobenzene	107	70-130		%Rec	1	7/20/2022 4:02:21 PM	B89634

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	Estimated value
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
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2207923**
Date Reported: **7/27/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates
Client Sample ID: BH10 @ 10-10.5
Project: Enterprise A 18
Collection Date: 7/8/2022 9:50:00 AM
Lab ID: 2207923-004 **Matrix:** MEOH (SOIL) **Received Date:** 7/20/2022 6:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	**NAI**
Chloride	ND	60		mg/Kg	20	7/22/2022 3:56:52 PM	68986
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst:	**JME**
Diesel Range Organics (DRO)	ND	13		mg/Kg	1	7/22/2022 7:15:27 PM	68971
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	7/22/2022 7:15:27 PM	68971
Surr: DNOP	83.6	21-129		%Rec	1	7/22/2022 7:15:27 PM	68971
EPA METHOD 8015D: GASOLINE RANGE						Analyst:	**NSB**
Gasoline Range Organics (GRO)	ND	3.8		mg/Kg	1	7/20/2022 4:26:25 PM	G89634
Surr: BFB	104	37.7-212		%Rec	1	7/20/2022 4:26:25 PM	G89634
EPA METHOD 8021B: VOLATILES						Analyst:	**NSB**
Benzene	ND	0.019		mg/Kg	1	7/20/2022 4:26:25 PM	B89634
Toluene	ND	0.038		mg/Kg	1	7/20/2022 4:26:25 PM	B89634
Ethylbenzene	ND	0.038		mg/Kg	1	7/20/2022 4:26:25 PM	B89634
Xylenes, Total	ND	0.077		mg/Kg	1	7/20/2022 4:26:25 PM	B89634
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	1	7/20/2022 4:26:25 PM	B89634

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

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 interference
B	Analyte detected in the associated Method Blank
E	Estimated value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Analytical Report
Lab Order **2207923**
Date Reported: **7/27/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates **Client Sample ID:** BH10 @ 15-15.5
Project: Enterprise A 18 **Collection Date:** 7/8/2022 10:03:00 AM
Lab ID: 2207923-005 **Matrix:** MEOH (SOIL) **Received Date:** 7/20/2022 6:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **NAI**	
Chloride	ND	60		mg/Kg	20	7/22/2022 4:09:16 PM	68986
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	7/22/2022 7:29:29 PM	68971
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	7/22/2022 7:29:29 PM	68971
Surr: DNOP	88.4	21-129		%Rec	1	7/22/2022 7:29:29 PM	68971
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	3.4		mg/Kg	1	7/20/2022 4:50:29 PM	G89634
Surr: BFB	108	37.7-212		%Rec	1	7/20/2022 4:50:29 PM	G89634
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.017		mg/Kg	1	7/20/2022 4:50:29 PM	B89634
Toluene	ND	0.034		mg/Kg	1	7/20/2022 4:50:29 PM	B89634
Ethylbenzene	ND	0.034		mg/Kg	1	7/20/2022 4:50:29 PM	B89634
Xylenes, Total	ND	0.068		mg/Kg	1	7/20/2022 4:50:29 PM	B89634
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	1	7/20/2022 4:50:29 PM	B89634

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	Estimated value
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
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2207923**
Date Reported: **7/27/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates
Client Sample ID: BH10 @ 30.25-30.75
Project: Enterprise A 18
Collection Date: 7/8/2022 11:28:00 AM
Lab ID: 2207923-006 **Matrix:** MEOH (SOIL) **Received Date:** 7/20/2022 6:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **NAI**	
Chloride	ND	61		mg/Kg	20	7/22/2022 4:21:41 PM	68986
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	7/22/2022 7:43:04 PM	68971
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/22/2022 7:43:04 PM	68971
Surr: DNOP	96.0	21-129		%Rec	1	7/22/2022 7:43:04 PM	68971
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	7/20/2022 5:14:33 PM	G89634
Surr: BFB	105	37.7-212		%Rec	1	7/20/2022 5:14:33 PM	G89634
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.023		mg/Kg	1	7/20/2022 5:14:33 PM	B89634
Toluene	ND	0.046		mg/Kg	1	7/20/2022 5:14:33 PM	B89634
Ethylbenzene	ND	0.046		mg/Kg	1	7/20/2022 5:14:33 PM	B89634
Xylenes, Total	ND	0.092		mg/Kg	1	7/20/2022 5:14:33 PM	B89634
Surr: 4-Bromofluorobenzene	105	70-130		%Rec	1	7/20/2022 5:14:33 PM	B89634

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	Estimated value
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
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2207923**
Date Reported: **7/27/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates
Client Sample ID: BH10 @ 34.25-34.5
Project: Enterprise A 18
Collection Date: 7/8/2022 12:15:00 PM
Lab ID: 2207923-007 **Matrix:** MEOH (SOIL) **Received Date:** 7/20/2022 6:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	ND	60		mg/Kg	20	7/22/2022 12:42:14 PM	68993
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	13		mg/Kg	1	7/22/2022 7:57:08 PM	68971
Motor Oil Range Organics (MRO)	ND	44		mg/Kg	1	7/22/2022 7:57:08 PM	68971
Surr: DNOP	99.2	21-129		%Rec	1	7/22/2022 7:57:08 PM	68971
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.3		mg/Kg	1	7/20/2022 5:38:32 PM	G89634
Surr: BFB	120	37.7-212		%Rec	1	7/20/2022 5:38:32 PM	G89634
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.022		mg/Kg	1	7/20/2022 5:38:32 PM	B89634
Toluene	ND	0.043		mg/Kg	1	7/20/2022 5:38:32 PM	B89634
Ethylbenzene	ND	0.043		mg/Kg	1	7/20/2022 5:38:32 PM	B89634
Xylenes, Total	ND	0.087		mg/Kg	1	7/20/2022 5:38:32 PM	B89634
Surr: 4-Bromofluorobenzene	121	70-130		%Rec	1	7/20/2022 5:38:32 PM	B89634

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	Estimated value
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
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2207923**
Date Reported: **7/27/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates
Client Sample ID: BH10 @ 39.75-40
Project: Enterprise A 18
Collection Date: 7/8/2022 1:13:00 PM
Lab ID: 2207923-008 **Matrix:** MEOH (SOIL) **Received Date:** 7/20/2022 6:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	ND	60		mg/Kg	20	7/22/2022 12:54:35 PM	68993
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	13		mg/Kg	1	7/22/2022 8:10:45 PM	68971
Motor Oil Range Organics (MRO)	ND	42		mg/Kg	1	7/22/2022 8:10:45 PM	68971
Surr: DNOP	72.7	21-129		%Rec	1	7/22/2022 8:10:45 PM	68971
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.1		mg/Kg	1	7/20/2022 6:02:32 PM	G89634
Surr: BFB	105	37.7-212		%Rec	1	7/20/2022 6:02:32 PM	G89634
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.021		mg/Kg	1	7/20/2022 6:02:32 PM	B89634
Toluene	ND	0.041		mg/Kg	1	7/20/2022 6:02:32 PM	B89634
Ethylbenzene	ND	0.041		mg/Kg	1	7/20/2022 6:02:32 PM	B89634
Xylenes, Total	ND	0.082		mg/Kg	1	7/20/2022 6:02:32 PM	B89634
Surr: 4-Bromofluorobenzene	105	70-130		%Rec	1	7/20/2022 6:02:32 PM	B89634

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	Estimated value
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
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2207923**

27-Jul-22

Client: Souder, Miller & Associates

Project: Enterprise A 18

Sample ID: **MB-68993** SampType: **mblk** TestCode: **EPA Method 300.0: Anions**

Client ID: **PBS** Batch ID: **68993** RunNo: **89746**

Prep Date: **7/22/2022** Analysis Date: **7/22/2022** SeqNo: **3195709** Units: **mg/Kg**

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

Sample ID: **LCS-68993** SampType: **lcs** TestCode: **EPA Method 300.0: Anions**

Client ID: **LCSS** Batch ID: **68993** RunNo: **89746**

Prep Date: **7/22/2022** Analysis Date: **7/22/2022** SeqNo: **3195710** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	94.6	90	110			

Sample ID: **MB-68986** SampType: **mblk** TestCode: **EPA Method 300.0: Anions**

Client ID: **PBS** Batch ID: **68986** RunNo: **89714**

Prep Date: **7/22/2022** Analysis Date: **7/22/2022** SeqNo: **3195885** Units: **mg/Kg**

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

Sample ID: **LCS-68986** SampType: **lcs** TestCode: **EPA Method 300.0: Anions**

Client ID: **LCSS** Batch ID: **68986** RunNo: **89714**

Prep Date: **7/22/2022** Analysis Date: **7/22/2022** SeqNo: **3195886** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.6	90	110			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
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
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2207923**

27-Jul-22

Client: Souder, Miller & Associates

Project: Enterprise A 18

Sample ID: **MB-68971** SampType: **MBLK** TestCode: **EPA Method 8015M/D: Diesel Range Organics**

Client ID: **PBS** Batch ID: **68971** RunNo: **89747**

Prep Date: **7/21/2022** Analysis Date: **7/22/2022** SeqNo: **3195798** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	15								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	7.5		10.00		74.6	21	129			

Sample ID: **LCS-68971** SampType: **LCS** TestCode: **EPA Method 8015M/D: Diesel Range Organics**

Client ID: **LCSS** Batch ID: **68971** RunNo: **89747**

Prep Date: **7/21/2022** Analysis Date: **7/22/2022** SeqNo: **3195799** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	43	15	50.00	0	86.1	64.4	127			
Surr: DNOP	3.4		5.000		67.4	21	129			

Sample ID: **2207923-001AMS** SampType: **MS** TestCode: **EPA Method 8015M/D: Diesel Range Organics**

Client ID: **BH09 @ 20-20.5** Batch ID: **68971** RunNo: **89747**

Prep Date: **7/21/2022** Analysis Date: **7/22/2022** SeqNo: **3195801** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	51	13	44.40	11.98	88.0	36.1	154			
Surr: DNOP	2.9		4.440		65.6	21	129			

Sample ID: **2207923-001AMSD** SampType: **MSD** TestCode: **EPA Method 8015M/D: Diesel Range Organics**

Client ID: **BH09 @ 20-20.5** Batch ID: **68971** RunNo: **89747**

Prep Date: **7/21/2022** Analysis Date: **7/22/2022** SeqNo: **3195802** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	93	14	46.73	11.98	174	36.1	154	58.4	33.9	RS
Surr: DNOP	3.8		4.673		80.6	21	129	0	0	

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 interference
B	Analyte detected in the associated Method Blank
E	Estimated value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2207923**

27-Jul-22

Client: Souder, Miller & Associates

Project: Enterprise A 18

Sample ID: **mb**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **G89634**	RunNo: **89634**
Prep Date:	Analysis Date: **7/20/2022**	SeqNo: **3191714** 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	1000		1000		102	37.7	212			

Sample ID: **2.5ug gro lcs**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **G89634**	RunNo: **89634**
Prep Date:	Analysis Date: **7/20/2022**	SeqNo: **3191715** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	5.0	25.00	0	104	72.3	137			
Surr: BFB	2000		1000		196	37.7	212			

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 interference
B	Analyte detected in the associated Method Blank
E	Estimated value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2207923**

27-Jul-22

Client: Souder, Miller & Associates

Project: Enterprise A 18

Sample ID: **mb**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **B89634**	RunNo: **89634**
Prep Date:	Analysis Date: **7/20/2022**	SeqNo: **3191729** 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	1.0		1.000		101	70	130			

Sample ID: **100ng btex lcs**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **B89634**	RunNo: **89634**
Prep Date:	Analysis Date: **7/20/2022**	SeqNo: **3191730** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.96	0.025	1.000	0	96.4	80	120			
Toluene	1.0	0.050	1.000	0	100	80	120			
Ethylbenzene	1.0	0.050	1.000	0	100	80	120			
Xylenes, Total	3.0	0.10	3.000	0	99.5	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		104	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 interference
B	Analyte detected in the associated Method Blank
E	Estimated value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

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: **Souder, Miller & Associates** Work Order Number: **2207923** RcptNo: 1

Received By: **Juan Rojas** **7/20/2022 6:50:00 AM**

Completed By: **Cheyenne Cason** **7/20/2022 8:13:54 AM**

Reviewed By: JR 7/20/22

Chain of Custody

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

Log In

3. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
4. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
5. Sample(s) in proper container(s)?	Yes ☑	No ☐	
6. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
7. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
8. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
9. Received at least 1 vial with headspace <1/4" for AQ VOA?	Yes ☐	No ☐	NA ☑
10. Were any sample containers received broken?	Yes ☐	No ☑	
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	
12. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
13. Is it clear what analyses were requested?	Yes ☑	No ☐	
14. 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: KPC 7.20.22

Special Handling (if applicable)

15. 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: _____

16. Additional remarks:

17. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	5.3	Good	Yes			
2	0.9	Good	Yes			

Chain-of-Custody Record

Client: Souder, Miller & Associates

Mailing Address: 201 S. Halagueno
Carlsbad, NM 88200

Phone #: (505) 716-2787

email or Fax#: Heather.Woods@soundermiller.com

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

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:
☑ Standard ☐ Rush

Project Name: Enterprise A-18

Project #:

Project Manager: Heather Woods

Sampler: Heather Woo

On Ice: ☑ Yes ☐ No

# of Coolers: 2

Cooler Temp (including CF): 5.3-0.5.3 (°C) 0.9-0=0.9

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 Name	Container Type and #	Preservative Type	HEAL No. 2207923	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	(Cl, F, Br, NO_3, NO_2, PO_4, SO_4)	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
7/7/22	0955	S	BH09@20-20.5	(1) 4oz Jar	Cool	001	X	X					X			
7/7/22	1604	S	BH09@34.5-34.75			002	X	X					X			
7/8/22	0800	S	BH09@44.5-45			003	X	X					X			
7/8/22	0950	S	BH10@10-10.5			004	X	X					X			
7/8/22	1003	S	BH10@15-15.5			005	X	X					X			
7/8/22	1128	S	BH10@30.25-30.75			006	X	X					X			
7/8/22	1215	S	BH10@34.25-34.5			007	X	X					X			
7/8/22	1313	S	BH10@39.75-40			008	X	X					X			

Date	Time	Relinquished by:	Received by:	Via:	Date	Time
7/19/22	1638	Heath M. Lot	[illegible]		7/19/22	1638
7/19/22	1811	[illegible]	[illegible]	courier	7/20/22	6:50

Remarks:

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.

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

July 28, 2022

Ashley Maxwell

Souder, Miller & Associates
201 S Halagueno
Carlsbad, NM 88221
TEL: (575) 689-8801
FAX:

RE: Enterprise A 18 Set A OrderNo.: 2207C27

Dear Ashley Maxwell:

Hall Environmental Analysis Laboratory received 15 sample(s) on 7/26/2022 for the analyses presented in the following report.

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

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

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman

Laboratory Manager

4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **2207C27**
Date Reported: **7/28/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates **Client Sample ID:** BH11 @ 15-15.5
Project: Enterprise A 18 Set A **Collection Date:** 7/11/2022 12:56:00 PM
Lab ID: 2207C27-001 **Matrix:** MEOH (SOIL) **Received Date:** 7/26/2022 6:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **NAI**	
Chloride	ND	60		mg/Kg	20	7/26/2022 10:47:40 AM	69062
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	15	H	mg/Kg	1	7/26/2022 10:34:48 AM	69054
Motor Oil Range Organics (MRO)	ND	49	H	mg/Kg	1	7/26/2022 10:34:48 AM	69054
Surr: DNOP	91.1	21-129	H	%Rec	1	7/26/2022 10:34:48 AM	69054
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.4	H	mg/Kg	1	7/26/2022 8:52:14 AM	G89788
Surr: BFB	100	37.7-212	H	%Rec	1	7/26/2022 8:52:14 AM	G89788
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.022	H	mg/Kg	1	7/26/2022 8:52:14 AM	B89788
Toluene	ND	0.044	H	mg/Kg	1	7/26/2022 8:52:14 AM	B89788
Ethylbenzene	ND	0.044	H	mg/Kg	1	7/26/2022 8:52:14 AM	B89788
Xylenes, Total	ND	0.088	H	mg/Kg	1	7/26/2022 8:52:14 AM	B89788
Surr: 4-Bromofluorobenzene	95.8	70-130	H	%Rec	1	7/26/2022 8:52:14 AM	B89788

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	Estimated value
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
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2207C27**
Date Reported: **7/28/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates **Client Sample ID:** BH11 @ 20-20.5
Project: Enterprise A 18 Set A **Collection Date:** 7/11/2022 1:08:00 PM
Lab ID: 2207C27-002 **Matrix:** MEOH (SOIL) **Received Date:** 7/26/2022 6:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **NAI**	
Chloride	ND	60		mg/Kg	20	7/26/2022 11:00:04 AM	69062
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	15	H	mg/Kg	1	7/26/2022 10:48:30 AM	69054
Motor Oil Range Organics (MRO)	ND	49	H	mg/Kg	1	7/26/2022 10:48:30 AM	69054
Surr: DNOP	87.5	21-129	H	%Rec	1	7/26/2022 10:48:30 AM	69054
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	3.3	H	mg/Kg	1	7/26/2022 9:15:41 AM	G89788
Surr: BFB	98.4	37.7-212	H	%Rec	1	7/26/2022 9:15:41 AM	G89788
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.017	H	mg/Kg	1	7/26/2022 9:15:41 AM	B89788
Toluene	ND	0.033	H	mg/Kg	1	7/26/2022 9:15:41 AM	B89788
Ethylbenzene	ND	0.033	H	mg/Kg	1	7/26/2022 9:15:41 AM	B89788
Xylenes, Total	ND	0.067	H	mg/Kg	1	7/26/2022 9:15:41 AM	B89788
Surr: 4-Bromofluorobenzene	93.8	70-130	H	%Rec	1	7/26/2022 9:15:41 AM	B89788

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	Estimated value
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
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2207C27**
Date Reported: **7/28/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates **Client Sample ID:** BH11 @ 32-32.25
Project: Enterprise A 18 Set A **Collection Date:** 7/13/2022 9:06:00 AM
Lab ID: 2207C27-003 **Matrix:** MEOH (SOIL) **Received Date:** 7/26/2022 6:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **NAI**	
Chloride	ND	60		mg/Kg	20	7/26/2022 11:12:28 AM	69062
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	13		mg/Kg	1	7/26/2022 11:02:11 AM	69054
Motor Oil Range Organics (MRO)	ND	42		mg/Kg	1	7/26/2022 11:02:11 AM	69054
Surr: DNOP	96.9	21-129		%Rec	1	7/26/2022 11:02:11 AM	69054
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	3.9		mg/Kg	1	7/26/2022 10:02:49 AM	G89788
Surr: BFB	105	37.7-212		%Rec	1	7/26/2022 10:02:49 AM	G89788
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.019		mg/Kg	1	7/26/2022 10:02:49 AM	B89788
Toluene	ND	0.039		mg/Kg	1	7/26/2022 10:02:49 AM	B89788
Ethylbenzene	ND	0.039		mg/Kg	1	7/26/2022 10:02:49 AM	B89788
Xylenes, Total	ND	0.078		mg/Kg	1	7/26/2022 10:02:49 AM	B89788
Surr: 4-Bromofluorobenzene	96.4	70-130		%Rec	1	7/26/2022 10:02:49 AM	B89788

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	Estimated value
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
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2207C27**
Date Reported: **7/28/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates
Client Sample ID: BH11 @ 34-34.25
Project: Enterprise A 18 Set A
Collection Date: 7/13/2022 9:11:00 AM
Lab ID: 2207C27-004 **Matrix:** MEOH (SOIL) **Received Date:** 7/26/2022 6:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **NAI**	
Chloride	ND	60		mg/Kg	20	7/26/2022 11:24:53 AM	69062
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	13		mg/Kg	1	7/26/2022 11:15:59 AM	69054
Motor Oil Range Organics (MRO)	ND	43		mg/Kg	1	7/26/2022 11:15:59 AM	69054
Surr: DNOP	92.4	21-129		%Rec	1	7/26/2022 11:15:59 AM	69054
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.5		mg/Kg	1	7/26/2022 10:26:23 AM	G89788
Surr: BFB	100	37.7-212		%Rec	1	7/26/2022 10:26:23 AM	G89788
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.022		mg/Kg	1	7/26/2022 10:26:23 AM	B89788
Toluene	ND	0.045		mg/Kg	1	7/26/2022 10:26:23 AM	B89788
Ethylbenzene	ND	0.045		mg/Kg	1	7/26/2022 10:26:23 AM	B89788
Xylenes, Total	ND	0.089		mg/Kg	1	7/26/2022 10:26:23 AM	B89788
Surr: 4-Bromofluorobenzene	96.0	70-130		%Rec	1	7/26/2022 10:26:23 AM	B89788

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	Estimated value
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
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2207C27**
Date Reported: **7/28/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates
Client Sample ID: BH11 @ 35-40
Project: Enterprise A 18 Set A
Collection Date: 7/13/2022 9:41:00 AM
Lab ID: 2207C27-005 **Matrix:** MEOH (SOIL) **Received Date:** 7/26/2022 6:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **NAI**	
Chloride	ND	61		mg/Kg	20	7/26/2022 11:37:17 AM	69062
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	110	13		mg/Kg	1	7/26/2022 11:29:46 AM	69054
Motor Oil Range Organics (MRO)	510	44		mg/Kg	1	7/26/2022 11:29:46 AM	69054
Surr: DNOP	88.9	21-129		%Rec	1	7/26/2022 11:29:46 AM	69054
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	3.8		mg/Kg	1	7/26/2022 10:49:58 AM	G89788
Surr: BFB	102	37.7-212		%Rec	1	7/26/2022 10:49:58 AM	G89788
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.019		mg/Kg	1	7/26/2022 10:49:58 AM	B89788
Toluene	ND	0.038		mg/Kg	1	7/26/2022 10:49:58 AM	B89788
Ethylbenzene	ND	0.038		mg/Kg	1	7/26/2022 10:49:58 AM	B89788
Xylenes, Total	ND	0.076		mg/Kg	1	7/26/2022 10:49:58 AM	B89788
Surr: 4-Bromofluorobenzene	97.6	70-130		%Rec	1	7/26/2022 10:49:58 AM	B89788

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	Estimated value
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
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2207C27**
Date Reported: **7/28/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates **Client Sample ID:** BH11 @ 40-45
Project: Enterprise A 18 Set A **Collection Date:** 7/13/2022 10:00:00 AM
Lab ID: 2207C27-006 **Matrix:** MEOH (SOIL) **Received Date:** 7/26/2022 6:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **NAI**	
Chloride	ND	61		mg/Kg	20	7/26/2022 11:49:41 AM	69062
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	60	15		mg/Kg	1	7/26/2022 2:15:39 PM	69054
Motor Oil Range Organics (MRO)	180	49		mg/Kg	1	7/26/2022 2:15:39 PM	69054
Surr: DNOP	85.1	21-129		%Rec	1	7/26/2022 2:15:39 PM	69054
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	3.8		mg/Kg	1	7/26/2022 11:13:34 AM	G89788
Surr: BFB	104	37.7-212		%Rec	1	7/26/2022 11:13:34 AM	G89788
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.019		mg/Kg	1	7/26/2022 11:13:34 AM	B89788
Toluene	ND	0.038		mg/Kg	1	7/26/2022 11:13:34 AM	B89788
Ethylbenzene	ND	0.038		mg/Kg	1	7/26/2022 11:13:34 AM	B89788
Xylenes, Total	ND	0.076		mg/Kg	1	7/26/2022 11:13:34 AM	B89788
Surr: 4-Bromofluorobenzene	96.0	70-130		%Rec	1	7/26/2022 11:13:34 AM	B89788

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	Estimated value
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
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2207C27**
Date Reported: **7/28/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates **Client Sample ID:** BH11 @ 45-50
Project: Enterprise A 18 Set A **Collection Date:** 7/13/2022 10:11:00 AM
Lab ID: 2207C27-007 **Matrix:** MEOH (SOIL) **Received Date:** 7/26/2022 6:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **NAI**	
Chloride	84	60		mg/Kg	20	7/26/2022 12:02:06 PM	69062
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	57	14		mg/Kg	1	7/26/2022 9:52:27 AM	69054
Motor Oil Range Organics (MRO)	140	45		mg/Kg	1	7/26/2022 9:52:27 AM	69054
Surr: DNOP	110	21-129		%Rec	1	7/26/2022 9:52:27 AM	69054
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	3.6		mg/Kg	1	7/26/2022 11:37:17 AM	G89788
Surr: BFB	100	37.7-212		%Rec	1	7/26/2022 11:37:17 AM	G89788
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.018		mg/Kg	1	7/26/2022 11:37:17 AM	B89788
Toluene	ND	0.036		mg/Kg	1	7/26/2022 11:37:17 AM	B89788
Ethylbenzene	ND	0.036		mg/Kg	1	7/26/2022 11:37:17 AM	B89788
Xylenes, Total	ND	0.072		mg/Kg	1	7/26/2022 11:37:17 AM	B89788
Surr: 4-Bromofluorobenzene	98.0	70-130		%Rec	1	7/26/2022 11:37:17 AM	B89788

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	Estimated value
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
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2207C27**
Date Reported: **7/28/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates **Client Sample ID:** BH12 @ 5-5.5
Project: Enterprise A 18 Set A **Collection Date:** 7/11/2022 2:12:00 PM
Lab ID: 2207C27-008 **Matrix:** MEOH (SOIL) **Received Date:** 7/26/2022 6:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **NAI**	
Chloride	ND	60		mg/Kg	20	7/26/2022 12:14:30 PM	69062
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	14	H	mg/Kg	1	7/26/2022 10:16:08 AM	69054
Motor Oil Range Organics (MRO)	ND	48	H	mg/Kg	1	7/26/2022 10:16:08 AM	69054
Surr: DNOP	105	21-129	H	%Rec	1	7/26/2022 10:16:08 AM	69054
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	3.1	H	mg/Kg	1	7/26/2022 12:00:55 PM	G89788
Surr: BFB	102	37.7-212	H	%Rec	1	7/26/2022 12:00:55 PM	G89788
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.016	H	mg/Kg	1	7/26/2022 12:00:55 PM	B89788
Toluene	ND	0.031	H	mg/Kg	1	7/26/2022 12:00:55 PM	B89788
Ethylbenzene	ND	0.031	H	mg/Kg	1	7/26/2022 12:00:55 PM	B89788
Xylenes, Total	ND	0.063	H	mg/Kg	1	7/26/2022 12:00:55 PM	B89788
Surr: 4-Bromofluorobenzene	97.2	70-130	H	%Rec	1	7/26/2022 12:00:55 PM	B89788

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	Estimated value
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
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2207C27**
Date Reported: **7/28/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates **Client Sample ID:** BH12 @ 15-15.5
Project: Enterprise A 18 Set A **Collection Date:** 7/11/2022 2:38:00 PM
Lab ID: 2207C27-009 **Matrix:** MEOH (SOIL) **Received Date:** 7/26/2022 6:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **NAI**	
Chloride	ND	60		mg/Kg	20	7/26/2022 12:51:44 PM	69062
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	28	13	H	mg/Kg	1	7/26/2022 10:39:47 AM	69054
Motor Oil Range Organics (MRO)	ND	42	H	mg/Kg	1	7/26/2022 10:39:47 AM	69054
Surr: DNOP	99.9	21-129	H	%Rec	1	7/26/2022 10:39:47 AM	69054
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.4	H	mg/Kg	1	7/26/2022 12:24:38 PM	G89788
Surr: BFB	102	37.7-212	H	%Rec	1	7/26/2022 12:24:38 PM	G89788
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.022	H	mg/Kg	1	7/26/2022 12:24:38 PM	B89788
Toluene	ND	0.044	H	mg/Kg	1	7/26/2022 12:24:38 PM	B89788
Ethylbenzene	ND	0.044	H	mg/Kg	1	7/26/2022 12:24:38 PM	B89788
Xylenes, Total	ND	0.089	H	mg/Kg	1	7/26/2022 12:24:38 PM	B89788
Surr: 4-Bromofluorobenzene	98.2	70-130	H	%Rec	1	7/26/2022 12:24:38 PM	B89788

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	Estimated value
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
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2207C27**
Date Reported: **7/28/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates
Client Sample ID: BH12 @ 26.5-26.75
Project: Enterprise A 18 Set A
Collection Date: 7/12/2022 2:16:00 PM
Lab ID: 2207C27-010 **Matrix:** MEOH (SOIL) **Received Date:** 7/26/2022 6:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **NAI**	
Chloride	ND	60		mg/Kg	20	7/26/2022 1:04:08 PM	69062
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	13		mg/Kg	1	7/26/2022 11:03:25 AM	69054
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	7/26/2022 11:03:25 AM	69054
Surr: DNOP	101	21-129		%Rec	1	7/26/2022 11:03:25 AM	69054
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	3.7		mg/Kg	1	7/26/2022 1:12:06 PM	G89788
Surr: BFB	100	37.7-212		%Rec	1	7/26/2022 1:12:06 PM	G89788
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.018		mg/Kg	1	7/26/2022 1:12:06 PM	B89788
Toluene	ND	0.037		mg/Kg	1	7/26/2022 1:12:06 PM	B89788
Ethylbenzene	ND	0.037		mg/Kg	1	7/26/2022 1:12:06 PM	B89788
Xylenes, Total	ND	0.074		mg/Kg	1	7/26/2022 1:12:06 PM	B89788
Surr: 4-Bromofluorobenzene	97.5	70-130		%Rec	1	7/26/2022 1:12:06 PM	B89788

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	Estimated value
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
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2207C27**
Date Reported: **7/28/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates
Client Sample ID: BH12 @ 30.75-31.25
Project: Enterprise A 18 Set A
Collection Date: 7/12/2022 2:44:00 PM
Lab ID: 2207C27-011 **Matrix:** MEOH (SOIL) **Received Date:** 7/26/2022 6:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **NAI**	
Chloride	ND	60		mg/Kg	20	7/26/2022 1:16:33 PM	69062
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	7/26/2022 11:27:07 AM	69054
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	7/26/2022 11:27:07 AM	69054
Surr: DNOP	100	21-129		%Rec	1	7/26/2022 11:27:07 AM	69054
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	3.9		mg/Kg	1	7/26/2022 1:35:58 PM	G89788
Surr: BFB	108	37.7-212		%Rec	1	7/26/2022 1:35:58 PM	G89788
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.019		mg/Kg	1	7/26/2022 1:35:58 PM	B89788
Toluene	ND	0.039		mg/Kg	1	7/26/2022 1:35:58 PM	B89788
Ethylbenzene	ND	0.039		mg/Kg	1	7/26/2022 1:35:58 PM	B89788
Xylenes, Total	ND	0.078		mg/Kg	1	7/26/2022 1:35:58 PM	B89788
Surr: 4-Bromofluorobenzene	99.0	70-130		%Rec	1	7/26/2022 1:35:58 PM	B89788

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	Estimated value
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
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2207C27**
Date Reported: **7/28/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates **Client Sample ID:** BH12 @ 35.75-36
Project: Enterprise A 18 Set A **Collection Date:** 7/12/2022 3:07:00 PM
Lab ID: 2207C27-012 **Matrix:** MEOH (SOIL) **Received Date:** 7/26/2022 6:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **NAI**	
Chloride	ND	60		mg/Kg	20	7/26/2022 1:28:57 PM	69062
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	7/26/2022 11:50:47 AM	69054
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	7/26/2022 11:50:47 AM	69054
Surr: DNOP	93.7	21-129		%Rec	1	7/26/2022 11:50:47 AM	69054
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.5		mg/Kg	1	7/26/2022 1:59:51 PM	G89788
Surr: BFB	102	37.7-212		%Rec	1	7/26/2022 1:59:51 PM	G89788
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.022		mg/Kg	1	7/26/2022 1:59:51 PM	B89788
Toluene	ND	0.045		mg/Kg	1	7/26/2022 1:59:51 PM	B89788
Ethylbenzene	ND	0.045		mg/Kg	1	7/26/2022 1:59:51 PM	B89788
Xylenes, Total	ND	0.090		mg/Kg	1	7/26/2022 1:59:51 PM	B89788
Surr: 4-Bromofluorobenzene	96.6	70-130		%Rec	1	7/26/2022 1:59:51 PM	B89788

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	Estimated value
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
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2207C27**
Date Reported: **7/28/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates **Client Sample ID:** BH12 @ 38-38.5
Project: Enterprise A 18 Set A **Collection Date:** 7/12/2022 3:12:00 PM
Lab ID: 2207C27-013 **Matrix:** MEOH (SOIL) **Received Date:** 7/26/2022 6:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **NAI**	
Chloride	ND	60		mg/Kg	20	7/26/2022 1:41:21 PM	69062
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	7/26/2022 12:14:29 PM	69054
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/26/2022 12:14:29 PM	69054
Surr: DNOP	105	21-129		%Rec	1	7/26/2022 12:14:29 PM	69054
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/26/2022 2:23:40 PM	G89788
Surr: BFB	104	37.7-212		%Rec	1	7/26/2022 2:23:40 PM	G89788
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.025		mg/Kg	1	7/26/2022 2:23:40 PM	B89788
Toluene	ND	0.049		mg/Kg	1	7/26/2022 2:23:40 PM	B89788
Ethylbenzene	ND	0.049		mg/Kg	1	7/26/2022 2:23:40 PM	B89788
Xylenes, Total	ND	0.098		mg/Kg	1	7/26/2022 2:23:40 PM	B89788
Surr: 4-Bromofluorobenzene	97.3	70-130		%Rec	1	7/26/2022 2:23:40 PM	B89788

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	Estimated value
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
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2207C27**
Date Reported: **7/28/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates
Client Sample ID: BH12 @ 41.25-41.5
Project: Enterprise A 18 Set A
Collection Date: 7/12/2022 3:24:00 PM
Lab ID: 2207C27-014 **Matrix:** MEOH (SOIL) **Received Date:** 7/26/2022 6:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JTT**	
Chloride	ND	59		mg/Kg	20	7/26/2022 10:37:28 AM	69063
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	7/26/2022 12:38:08 PM	69054
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	7/26/2022 12:38:08 PM	69054
Surr: DNOP	102	21-129		%Rec	1	7/26/2022 12:38:08 PM	69054
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	3.6		mg/Kg	1	7/26/2022 2:47:31 PM	G89788
Surr: BFB	105	37.7-212		%Rec	1	7/26/2022 2:47:31 PM	G89788
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.018		mg/Kg	1	7/26/2022 2:47:31 PM	B89788
Toluene	ND	0.036		mg/Kg	1	7/26/2022 2:47:31 PM	B89788
Ethylbenzene	ND	0.036		mg/Kg	1	7/26/2022 2:47:31 PM	B89788
Xylenes, Total	ND	0.072		mg/Kg	1	7/26/2022 2:47:31 PM	B89788
Surr: 4-Bromofluorobenzene	98.3	70-130		%Rec	1	7/26/2022 2:47:31 PM	B89788

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	Estimated value
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
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2207C27**
Date Reported: **7/28/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates
Client Sample ID: BH12 @ 43.75-44
Project: Enterprise A 18 Set A
Collection Date: 7/12/2022 3:32:00 PM
Lab ID: 2207C27-015 **Matrix:** MEOH (SOIL) **Received Date:** 7/26/2022 6:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JTT**	
Chloride	ND	60		mg/Kg	20	7/26/2022 10:49:49 AM	69063
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	13		mg/Kg	1	7/26/2022 1:01:58 PM	69054
Motor Oil Range Organics (MRO)	ND	42		mg/Kg	1	7/26/2022 1:01:58 PM	69054
Surr: DNOP	107	21-129		%Rec	1	7/26/2022 1:01:58 PM	69054
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	3.5		mg/Kg	1	7/26/2022 3:11:18 PM	G89788
Surr: BFB	101	37.7-212		%Rec	1	7/26/2022 3:11:18 PM	G89788
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.017		mg/Kg	1	7/26/2022 3:11:18 PM	B89788
Toluene	ND	0.035		mg/Kg	1	7/26/2022 3:11:18 PM	B89788
Ethylbenzene	ND	0.035		mg/Kg	1	7/26/2022 3:11:18 PM	B89788
Xylenes, Total	ND	0.070		mg/Kg	1	7/26/2022 3:11:18 PM	B89788
Surr: 4-Bromofluorobenzene	96.9	70-130		%Rec	1	7/26/2022 3:11:18 PM	B89788

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	Estimated value
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
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2207C27**

28-Jul-22

Client: Souder, Miller & Associates

Project: Enterprise A 18 Set A

Sample ID: **MB-69063**	SampType: **mblk**	TestCode: **EPA Method 300.0: Anions**
Client ID: **PBS**	Batch ID: **69063**	RunNo: **89792**
Prep Date: **7/26/2022**	Analysis Date: **7/26/2022**	SeqNo: **3198494** Units: **mg/Kg**

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

Sample ID: **LCS-69063**	SampType: **lcs**	TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSS**	Batch ID: **69063**	RunNo: **89792**
Prep Date: **7/26/2022**	Analysis Date: **7/26/2022**	SeqNo: **3198495** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	96.2	90	110			

Sample ID: **MB-69062**	SampType: **mblk**	TestCode: **EPA Method 300.0: Anions**
Client ID: **PBS**	Batch ID: **69062**	RunNo: **89791**
Prep Date: **7/26/2022**	Analysis Date: **7/26/2022**	SeqNo: **3198665** Units: **mg/Kg**

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

Sample ID: **LCS-69062**	SampType: **lcs**	TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSS**	Batch ID: **69062**	RunNo: **89791**
Prep Date: **7/26/2022**	Analysis Date: **7/26/2022**	SeqNo: **3198666** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.7	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 interference
B	Analyte detected in the associated Method Blank
E	Estimated value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2207C27**

28-Jul-22

Client: Souder, Miller & Associates

Project: Enterprise A 18 Set A

Sample ID: **MB-69054**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **69054**	RunNo: **89781**
Prep Date: **7/26/2022**	Analysis Date: **7/26/2022**	SeqNo: **3197314** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	15								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.9		10.00		89.0	21	129			

Sample ID: **LCS-69054**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **69054**	RunNo: **89781**
Prep Date: **7/26/2022**	Analysis Date: **7/26/2022**	SeqNo: **3197315** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	43	15	50.00	0	85.4	64.4	127			
Surr: DNOP	4.4		5.000		88.6	21	129			

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 interference
B	Analyte detected in the associated Method Blank
E	Estimated value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2207C27**

28-Jul-22

Client: Souder, Miller & Associates

Project: Enterprise A 18 Set A

Sample ID: **mb**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**							
Client ID: **PBS**	Batch ID: **G89788**	RunNo: **89788**							
Prep Date:	Analysis Date: **7/26/2022**	SeqNo: **3197802**	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	1000		1000		101	37.7	212			

Sample ID: **2.5ug gro lcs**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**							
Client ID: **LCSS**	Batch ID: **G89788**	RunNo: **89788**							
Prep Date:	Analysis Date: **7/26/2022**	SeqNo: **3197803**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	5.0	25.00	0	101	72.3	137			
Surr: BFB	2000		1000		202	37.7	212			

Sample ID: **2207c27-001ams**	SampType: **MS**	TestCode: **EPA Method 8015D: Gasoline Range**							
Client ID: **BH11 @ 15-15.5**	Batch ID: **G89788**	RunNo: **89788**							
Prep Date:	Analysis Date: **7/26/2022**	SeqNo: **3197804**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	22	4.4	22.03	0	101	70	130			H
Surr: BFB	1800		881.1		210	37.7	212			H

Sample ID: **2207c27-001amsd**	SampType: **MSD**	TestCode: **EPA Method 8015D: Gasoline Range**							
Client ID: **BH11 @ 15-15.5**	Batch ID: **G89788**	RunNo: **89788**							
Prep Date:	Analysis Date: **7/26/2022**	SeqNo: **3197805**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	4.4	22.03	0	103	70	130	1.53	20	H
Surr: BFB	1800		881.1		208	37.7	212	0	0	H

Sample ID: **mb-69034**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**							
Client ID: **PBS**	Batch ID: **69034**	RunNo: **89788**							
Prep Date: **7/25/2022**	Analysis Date: **7/26/2022**	SeqNo: **3197806**	Units: **%Rec**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	1100		1000		107	37.7	212			

Sample ID: **lcs-69034**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**							
Client ID: **LCSS**	Batch ID: **69034**	RunNo: **89788**							
Prep Date: **7/25/2022**	Analysis Date: **7/26/2022**	SeqNo: **3197807**	Units: **%Rec**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	2200		1000		216	37.7	212			S

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 interference
B	Analyte detected in the associated Method Blank
E	Estimated value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2207C27**

28-Jul-22

Client: Souder, Miller & Associates

Project: Enterprise A 18 Set A

Sample ID: **mb**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **B89788**	RunNo: **89788**
Prep Date:	Analysis Date: **7/26/2022**	SeqNo: **3197839** 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	0.94		1.000		94.2	70	130			

Sample ID: **100ng btex lcs**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **B89788**	RunNo: **89788**
Prep Date:	Analysis Date: **7/26/2022**	SeqNo: **3197840** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.98	0.025	1.000	0	97.5	80	120			
Toluene	1.0	0.050	1.000	0	102	80	120			
Ethylbenzene	1.0	0.050	1.000	0	101	80	120			
Xylenes, Total	3.0	0.10	3.000	0	101	80	120			
Surr: 4-Bromofluorobenzene	0.97		1.000		97.3	70	130			

Sample ID: **2207c27-002ams**	SampType: **MS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **BH11 @ 20-20.5**	Batch ID: **B89788**	RunNo: **89788**
Prep Date:	Analysis Date: **7/26/2022**	SeqNo: **3197841** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.64	0.017	0.6680	0	96.0	68.8	120			H
Toluene	0.67	0.033	0.6680	0	99.9	73.6	124			H
Ethylbenzene	0.67	0.033	0.6680	0	101	72.7	129			H
Xylenes, Total	2.0	0.067	2.004	0	99.8	75.7	126			H
Surr: 4-Bromofluorobenzene	0.67		0.6680		100	70	130			H

Sample ID: **2207c27-002amsd**	SampType: **MSD**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **BH11 @ 20-20.5**	Batch ID: **B89788**	RunNo: **89788**
Prep Date:	Analysis Date: **7/26/2022**	SeqNo: **3197842** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.62	0.017	0.6680	0	92.2	68.8	120	4.10	20	H
Toluene	0.65	0.033	0.6680	0	97.0	73.6	124	2.90	20	H
Ethylbenzene	0.65	0.033	0.6680	0	97.3	72.7	129	3.57	20	H
Xylenes, Total	2.0	0.067	2.004	0	97.6	75.7	126	2.29	20	H
Surr: 4-Bromofluorobenzene	0.66		0.6680		99.0	70	130	0	0	H

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 interference
B	Analyte detected in the associated Method Blank
E	Estimated value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2207C27**

28-Jul-22

Client: Souder, Miller & Associates

Project: Enterprise A 18 Set A

Sample ID: **LCS-69034**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**							
Client ID: **LCSS**	Batch ID: **69034**	RunNo: **89788**							
Prep Date: **7/25/2022**	Analysis Date: **7/26/2022**	SeqNo: **3197844**	Units: **%Rec**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	1.0		1.000		101	70	130			

Sample ID: **mb-69034**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**							
Client ID: **PBS**	Batch ID: **69034**	RunNo: **89788**							
Prep Date: **7/25/2022**	Analysis Date: **7/26/2022**	SeqNo: **3197911**	Units: **%Rec**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.99		1.000		98.6	70	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
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
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

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: Souder, Miller & Associates

Work Order Number: 2207C27

RcptNo: 1

Received By: Juan Rojas 7/26/2022 6:30:00 AM

Completed By: Cheyenne Cason 7/26/2022 6:59:33 AM

Reviewed By: 7-26-22

Chain of Custody

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

Log In

3. Was an attempt made to cool the samples? Yes ☑ No ☐ NA ☐
4. Were all samples received at a temperature of >0° C to 6.0°C Yes ☑ No ☐ NA ☐
5. Sample(s) in proper container(s)? Yes ☑ No ☐
6. Sufficient sample volume for indicated test(s)? Yes ☑ No ☐
7. Are samples (except VOA and ONG) properly preserved? Yes ☑ No ☐
8. Was preservative added to bottles? Yes ☐ No ☑ NA ☐
9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes ☐ No ☐ NA ☑
10. Were any sample containers received broken? Yes ☐ No ☑

# of preserved bottles checked for pH: (<2 or >12 unless noted)
Adjusted?
Checked by: JR 7/26/22

11. Does paperwork match bottle labels? (Note discrepancies on chain of custody) Yes ☑ No ☐
12. Are matrices correctly identified on Chain of Custody? Yes ☑ No ☐
13. Is it clear what analyses were requested? Yes ☑ No ☐
14. Were all holding times able to be met? (If no, notify customer for authorization.) Yes ☑ No ☐

Special Handling (if applicable)

15. 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:

16. Additional remarks:

17. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	3.2	Good	Yes			
2	0.9	Good	Yes			

Chain-of-Custody Record

Client: Souder, Miller & Associates

Mailing Address: 201 South Halagueno
Carlsbad, NM 88220

Phone #: (505) 320-8955

email or Fax#: Ashley.Maxwell@soudermiller.com

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

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other ____

☐ EDD (Type) ____

Turn-Around Time: ~~5-Day~~ Same day
☐ Standard ☒ Rush ~~Same day~~

Project Name: Enterprise A-1B (Set A)

Project #:

Project Manager: Ashley Maxwell

Sampler: Heather Woods

On Ice: ☒ Yes ☐ No

# of Coolers: 2

Cooler Temp (including CF): 3.4-0.2=3.2 (°C) 1.1-0.2=0.9

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 Name	Container Type and #	Preservative Type	HEAL No. 2207C27	BTEX / ~~MTBE~~ / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, ~~F, Br, NO3, NO2, PO4, SO4~~ (300.0 Cl)	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
7/11/22	1256	S	BH11@15-15.5	(1) 4oz Glass	Non	001	X	X					X			
7/11/22	1308	S	BH11@20-20.5			002	X	X					X			
7/13/22	0906	S	BH11@32-32.5			003	X	X					X			
7/13/22	0911	S	BH11@34-34.25			004	X	X					X			
7/13/22	0941	S	BH11@35-40			005	X	X					X			
7/13/22	1000	S	BH11@40-45			006	X	X					X			
7/13/22	1011	S	BH11@45-50			007	X	X					X			
7/11/22	1412	S	BH12@5-5.5			008	X	X					X			
7/11/22	1438	S	BH12@15-15.5			009	X	X					X			
7/12/22	1416	S	BH12@26.5-26.75			010	X	X					X			
7/12/22	1444	S	BH12@30.75-31.25			011	X	X					X			
7/12/22	1507	S	BH12@35.75-36			012	X	X					X			

Date	Time	Relinquished by	Received by	Via	Date	Time
7/25/22	1606	Heath M. Wo[illegible]	Chris Wa[illegible]		7/25/22	1606
7/25/22	1850	Chris Wa[illegible]	[illegible] Courier		7/26/22	6:30

Remarks: Page 1 of 2

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.

Chain-of-Custody Record

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Client: Souder, Miller & Associates

Mailing Address: 201 South Halagueno
Carlsbad, NM 88220

Phone #: (505) 320-8975

email or Fax#: Ashley.Maxwell@soudermiller.com

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

Accreditation: ☐ Az Compliance ☐ NELAC ☐ Other ______

☐ EDD (Type) ______

Turn-Around Time: ☐ Standard ☒ Rush ~~5 DAY~~ or ~~Same day~~ Same day

Project Name: Enterprise A-18 (Set A)

Project #:

Project Manager: Ashley Maxwell

Sampler: Heather Woods

On Ice: ☒ Yes ☐ No

# of Coolers: 2

Cooler Temp (including CF): 3.4-0.2=3.2 (°C); 1.1-0.2=0.9

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2207C27	BTEX / ~~MTBE / TMB's~~ (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	(Cl), ~~F, Br, NO3, NO2, PO4, SO4~~ 300.Cl	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)						
7/12/22	1512	S	BH12 @ 38-38.5	(1) 4oz Glass	Non	~~804~~ 013	X	X														
7/12/22	1524	S	BH12 @ 41.25-41.5	↓	↓	~~05~~ 014	X	X														
7/12/22	1532	S	BH12 @ 43.75-44	↓	↓	015	X	X														

Date	Time	Relinquished by	Received by	Via	Date	Time
7/25/22	1606	Heather M. W.	Christ Walt		7/25/22	1606
7/25/22	1850	Christ Walls	[signature]	courier	7/26/22	6:30

Remarks: Page 2 of 2

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.

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

July 28, 2022

Ashley Maxwell

Souder, Miller & Associates
201 S Halagueno
Carlsbad, NM 88221
TEL: (575) 689-8801
FAX:

RE: Enterprise A 18 Set B OrderNo.: 2207C28

Dear Ashley Maxwell:

Hall Environmental Analysis Laboratory received 16 sample(s) on 7/26/2022 for the analyses presented in the following report.

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

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

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman

Laboratory Manager

4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **2207C28**
Date Reported: **7/28/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates **Client Sample ID:** BH08 @ 50-52.5
Project: Enterprise A 18 Set B **Collection Date:** 7/22/2022 12:08:00 PM
Lab ID: 2207C28-001 **Matrix:** MEOH (SOIL) **Received Date:** 7/26/2022 6:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JTT**	
Chloride	ND	60		mg/Kg	20	7/26/2022 11:02:11 AM	69063
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	7/26/2022 1:25:43 PM	69054
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/26/2022 1:25:43 PM	69054
Surr: DNOP	103	21-129		%Rec	1	7/26/2022 1:25:43 PM	69054
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	3.3		mg/Kg	1	7/26/2022 10:22:00 AM	G89787
Surr: BFB	96.7	37.7-212		%Rec	1	7/26/2022 10:22:00 AM	G89787
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.017		mg/Kg	1	7/26/2022 10:22:00 AM	R89787
Toluene	ND	0.033		mg/Kg	1	7/26/2022 10:22:00 AM	R89787
Ethylbenzene	ND	0.033		mg/Kg	1	7/26/2022 10:22:00 AM	R89787
Xylenes, Total	ND	0.066		mg/Kg	1	7/26/2022 10:22:00 AM	R89787
Surr: 4-Bromofluorobenzene	90.1	70-130		%Rec	1	7/26/2022 10:22:00 AM	R89787

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	Estimated value
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
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2207C28**
Date Reported: **7/28/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates **Client Sample ID:** BH08 @ 52.5-55
Project: Enterprise A 18 Set B **Collection Date:** 7/22/2022 12:16:00 PM
Lab ID: 2207C28-002 **Matrix:** MEOH (SOIL) **Received Date:** 7/26/2022 6:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JTT**	
Chloride	ND	60		mg/Kg	20	7/26/2022 11:14:31 AM	69063
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	7/26/2022 11:57:13 AM	69054
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	7/26/2022 11:57:13 AM	69054
Surr: DNOP	85.8	21-129		%Rec	1	7/26/2022 11:57:13 AM	69054
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	3.4		mg/Kg	1	7/26/2022 10:41:00 AM	G89787
Surr: BFB	94.2	37.7-212		%Rec	1	7/26/2022 10:41:00 AM	G89787
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.017		mg/Kg	1	7/26/2022 10:41:00 AM	R89787
Toluene	ND	0.034		mg/Kg	1	7/26/2022 10:41:00 AM	R89787
Ethylbenzene	ND	0.034		mg/Kg	1	7/26/2022 10:41:00 AM	R89787
Xylenes, Total	ND	0.068		mg/Kg	1	7/26/2022 10:41:00 AM	R89787
Surr: 4-Bromofluorobenzene	90.8	70-130		%Rec	1	7/26/2022 10:41:00 AM	R89787

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	Estimated value
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
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2207C28**
Date Reported: **7/28/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates **Client Sample ID:** BH08 @ 55-55.5
Project: Enterprise A 18 Set B **Collection Date:** 7/22/2022 12:19:00 PM
Lab ID: 2207C28-003 **Matrix:** MEOH (SOIL) **Received Date:** 7/26/2022 6:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JTT**	
Chloride	ND	60		mg/Kg	20	7/26/2022 11:26:51 AM	69063
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	7/26/2022 12:11:15 PM	69054
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	7/26/2022 12:11:15 PM	69054
Surr: DNOP	86.1	21-129		%Rec	1	7/26/2022 12:11:15 PM	69054
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	3.0		mg/Kg	1	7/26/2022 11:01:00 AM	G89787
Surr: BFB	97.2	37.7-212		%Rec	1	7/26/2022 11:01:00 AM	G89787
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.015		mg/Kg	1	7/26/2022 11:01:00 AM	R89787
Toluene	ND	0.030		mg/Kg	1	7/26/2022 11:01:00 AM	R89787
Ethylbenzene	ND	0.030		mg/Kg	1	7/26/2022 11:01:00 AM	R89787
Xylenes, Total	ND	0.060		mg/Kg	1	7/26/2022 11:01:00 AM	R89787
Surr: 4-Bromofluorobenzene	92.0	70-130		%Rec	1	7/26/2022 11:01:00 AM	R89787

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	Estimated value
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
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2207C28**
Date Reported: **7/28/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates **Client Sample ID:** BH08 @ 55.5-57
Project: Enterprise A 18 Set B **Collection Date:** 7/22/2022 12:28:00 PM
Lab ID: 2207C28-004 **Matrix:** MEOH (SOIL) **Received Date:** 7/26/2022 6:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JTT**	
Chloride	88	60		mg/Kg	20	7/26/2022 11:39:11 AM	69063
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	12		mg/Kg	1	7/26/2022 12:25:00 PM	69054
Motor Oil Range Organics (MRO)	ND	41		mg/Kg	1	7/26/2022 12:25:00 PM	69054
Surr: DNOP	86.0	21-129		%Rec	1	7/26/2022 12:25:00 PM	69054
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	3.2		mg/Kg	1	7/26/2022 11:21:00 AM	G89787
Surr: BFB	99.3	37.7-212		%Rec	1	7/26/2022 11:21:00 AM	G89787
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.016		mg/Kg	1	7/26/2022 11:21:00 AM	R89787
Toluene	ND	0.032		mg/Kg	1	7/26/2022 11:21:00 AM	R89787
Ethylbenzene	ND	0.032		mg/Kg	1	7/26/2022 11:21:00 AM	R89787
Xylenes, Total	ND	0.064		mg/Kg	1	7/26/2022 11:21:00 AM	R89787
Surr: 4-Bromofluorobenzene	92.4	70-130		%Rec	1	7/26/2022 11:21:00 AM	R89787

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	Estimated value
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
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2207C28**
Date Reported: **7/28/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates **Client Sample ID:** BH08 @ 60.25-62.25
Project: Enterprise A 18 Set B **Collection Date:** 7/22/2022 12:45:00 PM
Lab ID: 2207C28-005 **Matrix:** MEOH (SOIL) **Received Date:** 7/26/2022 6:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JTT**	
Chloride	87	60		mg/Kg	20	7/26/2022 11:51:32 AM	69063
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	13		mg/Kg	1	7/26/2022 12:38:37 PM	69054
Motor Oil Range Organics (MRO)	ND	43		mg/Kg	1	7/26/2022 12:38:37 PM	69054
Surr: DNOP	86.8	21-129		%Rec	1	7/26/2022 12:38:37 PM	69054
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	3.1		mg/Kg	1	7/26/2022 11:41:00 AM	G89787
Surr: BFB	94.3	37.7-212		%Rec	1	7/26/2022 11:41:00 AM	G89787
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.015		mg/Kg	1	7/26/2022 11:41:00 AM	R89787
Toluene	ND	0.031		mg/Kg	1	7/26/2022 11:41:00 AM	R89787
Ethylbenzene	ND	0.031		mg/Kg	1	7/26/2022 11:41:00 AM	R89787
Xylenes, Total	ND	0.062		mg/Kg	1	7/26/2022 11:41:00 AM	R89787
Surr: 4-Bromofluorobenzene	90.9	70-130		%Rec	1	7/26/2022 11:41:00 AM	R89787

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	Estimated value
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
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2207C28**
Date Reported: **7/28/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates **Client Sample ID:** BH08 @ 64-66
Project: Enterprise A 18 Set B **Collection Date:** 7/22/2022 12:59:00 PM
Lab ID: 2207C28-006 **Matrix:** MEOH (SOIL) **Received Date:** 7/26/2022 6:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JTT**	
Chloride	81	60		mg/Kg	20	7/26/2022 12:03:52 PM	69063
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	40	14		mg/Kg	1	7/26/2022 12:52:46 PM	69055
Motor Oil Range Organics (MRO)	140	48		mg/Kg	1	7/26/2022 12:52:46 PM	69055
Surr: DNOP	85.0	21-129		%Rec	1	7/26/2022 12:52:46 PM	69055
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	3.5		mg/Kg	1	7/26/2022 12:00:00 PM	G89787
Surr: BFB	98.8	37.7-212		%Rec	1	7/26/2022 12:00:00 PM	G89787
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.017		mg/Kg	1	7/26/2022 12:00:00 PM	R89787
Toluene	ND	0.035		mg/Kg	1	7/26/2022 12:00:00 PM	R89787
Ethylbenzene	ND	0.035		mg/Kg	1	7/26/2022 12:00:00 PM	R89787
Xylenes, Total	ND	0.069		mg/Kg	1	7/26/2022 12:00:00 PM	R89787
Surr: 4-Bromofluorobenzene	89.0	70-130		%Rec	1	7/26/2022 12:00:00 PM	R89787

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	Estimated value
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
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2207C28**
Date Reported: **7/28/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates **Client Sample ID:** BH08 @ 67.5-70
Project: Enterprise A 18 Set B **Collection Date:** 7/22/2022 1:14:00 PM
Lab ID: 2207C28-007 **Matrix:** MEOH (SOIL) **Received Date:** 7/26/2022 6:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JTT**	
Chloride	75	60		mg/Kg	20	7/26/2022 12:40:53 PM	69063
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	13		mg/Kg	1	7/26/2022 1:06:36 PM	69055
Motor Oil Range Organics (MRO)	ND	43		mg/Kg	1	7/26/2022 1:06:36 PM	69055
Surr: DNOP	88.7	21-129		%Rec	1	7/26/2022 1:06:36 PM	69055
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	3.2		mg/Kg	1	7/26/2022 12:20:00 PM	G89787
Surr: BFB	92.4	37.7-212		%Rec	1	7/26/2022 12:20:00 PM	G89787
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.016		mg/Kg	1	7/26/2022 12:20:00 PM	R89787
Toluene	ND	0.032		mg/Kg	1	7/26/2022 12:20:00 PM	R89787
Ethylbenzene	ND	0.032		mg/Kg	1	7/26/2022 12:20:00 PM	R89787
Xylenes, Total	ND	0.064		mg/Kg	1	7/26/2022 12:20:00 PM	R89787
Surr: 4-Bromofluorobenzene	88.5	70-130		%Rec	1	7/26/2022 12:20:00 PM	R89787

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	Estimated value
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
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2207C28**
Date Reported: **7/28/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates **Client Sample ID:** BH08 @ 72.5-75
Project: Enterprise A 18 Set B **Collection Date:** 7/22/2022 1:29:00 PM
Lab ID: 2207C28-008 **Matrix:** MEOH (SOIL) **Received Date:** 7/26/2022 6:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JTT**	
Chloride	ND	60		mg/Kg	20	7/26/2022 12:53:14 PM	69063
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	13		mg/Kg	1	7/26/2022 1:20:27 PM	69055
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	7/26/2022 1:20:27 PM	69055
Surr: DNOP	83.2	21-129		%Rec	1	7/26/2022 1:20:27 PM	69055
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	3.1		mg/Kg	1	7/26/2022 12:40:00 PM	G89787
Surr: BFB	93.0	37.7-212		%Rec	1	7/26/2022 12:40:00 PM	G89787
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.015		mg/Kg	1	7/26/2022 12:40:00 PM	R89787
Toluene	ND	0.031		mg/Kg	1	7/26/2022 12:40:00 PM	R89787
Ethylbenzene	ND	0.031		mg/Kg	1	7/26/2022 12:40:00 PM	R89787
Xylenes, Total	ND	0.062		mg/Kg	1	7/26/2022 12:40:00 PM	R89787
Surr: 4-Bromofluorobenzene	88.2	70-130		%Rec	1	7/26/2022 12:40:00 PM	R89787

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	Estimated value
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
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2207C28**
Date Reported: **7/28/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates
Client Sample ID: BH08 @ 77.5-80
Project: Enterprise A 18 Set B
Collection Date: 7/22/2022 1:50:00 PM
Lab ID: 2207C28-009 **Matrix:** MEOH (SOIL) **Received Date:** 7/26/2022 6:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JTT**	
Chloride	ND	59		mg/Kg	20	7/26/2022 1:05:34 PM	69063
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	7/26/2022 1:34:11 PM	69055
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	7/26/2022 1:34:11 PM	69055
Surr: DNOP	84.6	21-129		%Rec	1	7/26/2022 1:34:11 PM	69055
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	3.0		mg/Kg	1	7/26/2022 12:59:00 PM	G89787
Surr: BFB	91.6	37.7-212		%Rec	1	7/26/2022 12:59:00 PM	G89787
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.015		mg/Kg	1	7/26/2022 12:59:00 PM	R89787
Toluene	ND	0.030		mg/Kg	1	7/26/2022 12:59:00 PM	R89787
Ethylbenzene	ND	0.030		mg/Kg	1	7/26/2022 12:59:00 PM	R89787
Xylenes, Total	ND	0.060		mg/Kg	1	7/26/2022 12:59:00 PM	R89787
Surr: 4-Bromofluorobenzene	88.3	70-130		%Rec	1	7/26/2022 12:59:00 PM	R89787

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	Estimated value
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
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2207C28**
Date Reported: **7/28/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates **Client Sample ID:** BH08 @ 80-82.5
Project: Enterprise A 18 Set B **Collection Date:** 7/22/2022 1:53:00 PM
Lab ID: 2207C28-010 **Matrix:** MEOH (SOIL) **Received Date:** 7/26/2022 6:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JTT**	
Chloride	62	60		mg/Kg	20	7/26/2022 1:17:54 PM	69063
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**	
Diesel Range Organics (DRO)	16	14		mg/Kg	1	7/26/2022 12:01:58 PM	69055
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	7/26/2022 12:01:58 PM	69055
Surr: DNOP	88.0	21-129		%Rec	1	7/26/2022 12:01:58 PM	69055
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	3.8		mg/Kg	1	7/26/2022 1:19:00 PM	G89787
Surr: BFB	98.2	37.7-212		%Rec	1	7/26/2022 1:19:00 PM	G89787
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.019		mg/Kg	1	7/26/2022 1:19:00 PM	R89787
Toluene	ND	0.038		mg/Kg	1	7/26/2022 1:19:00 PM	R89787
Ethylbenzene	ND	0.038		mg/Kg	1	7/26/2022 1:19:00 PM	R89787
Xylenes, Total	ND	0.075		mg/Kg	1	7/26/2022 1:19:00 PM	R89787
Surr: 4-Bromofluorobenzene	88.9	70-130		%Rec	1	7/26/2022 1:19:00 PM	R89787

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	Estimated value
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
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2207C28**
Date Reported: **7/28/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates
Client Sample ID: BH08 @ 87.5-90
Project: Enterprise A 18 Set B
Collection Date: 7/22/2022 2:15:00 PM
Lab ID: 2207C28-011 **Matrix:** MEOH (SOIL) **Received Date:** 7/26/2022 6:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JTT**	
Chloride	77	59		mg/Kg	20	7/26/2022 1:30:15 PM	69063
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**	
Diesel Range Organics (DRO)	ND	13		mg/Kg	1	7/26/2022 12:26:19 PM	69055
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	7/26/2022 12:26:19 PM	69055
Surr: DNOP	86.1	21-129		%Rec	1	7/26/2022 12:26:19 PM	69055
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	3.5		mg/Kg	1	7/26/2022 1:59:00 PM	G89787
Surr: BFB	92.9	37.7-212		%Rec	1	7/26/2022 1:59:00 PM	G89787
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.017		mg/Kg	1	7/26/2022 1:59:00 PM	R89787
Toluene	ND	0.035		mg/Kg	1	7/26/2022 1:59:00 PM	R89787
Ethylbenzene	ND	0.035		mg/Kg	1	7/26/2022 1:59:00 PM	R89787
Xylenes, Total	ND	0.069		mg/Kg	1	7/26/2022 1:59:00 PM	R89787
Surr: 4-Bromofluorobenzene	89.5	70-130		%Rec	1	7/26/2022 1:59:00 PM	R89787

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	Estimated value
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
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2207C28**
Date Reported: **7/28/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates
Client Sample ID: BH08 @ 90-92.5
Project: Enterprise A 18 Set B
Collection Date: 7/22/2022 2:21:00 PM
Lab ID: 2207C28-012 **Matrix:** MEOH (SOIL) **Received Date:** 7/26/2022 6:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JTT**	
Chloride	80	60		mg/Kg	20	7/26/2022 1:42:35 PM	69063
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**	
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	7/26/2022 12:50:29 PM	69055
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/26/2022 12:50:29 PM	69055
Surr: DNOP	86.0	21-129		%Rec	1	7/26/2022 12:50:29 PM	69055
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	4.3		mg/Kg	1	7/26/2022 2:19:00 PM	G89787
Surr: BFB	96.3	37.7-212		%Rec	1	7/26/2022 2:19:00 PM	G89787
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.022		mg/Kg	1	7/26/2022 2:19:00 PM	R89787
Toluene	ND	0.043		mg/Kg	1	7/26/2022 2:19:00 PM	R89787
Ethylbenzene	ND	0.043		mg/Kg	1	7/26/2022 2:19:00 PM	R89787
Xylenes, Total	ND	0.086		mg/Kg	1	7/26/2022 2:19:00 PM	R89787
Surr: 4-Bromofluorobenzene	90.1	70-130		%Rec	1	7/26/2022 2:19:00 PM	R89787

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	Estimated value
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
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2207C28**
Date Reported: **7/28/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates
Client Sample ID: BH08 @ 92.5-95
Project: Enterprise A 18 Set B
Collection Date: 7/22/2022 2:29:00 PM
Lab ID: 2207C28-013 **Matrix:** MEOH (SOIL) **Received Date:** 7/26/2022 6:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JTT**	
Chloride	71	60		mg/Kg	20	7/26/2022 1:54:57 PM	69063
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**	
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	7/26/2022 1:15:02 PM	69055
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	7/26/2022 1:15:02 PM	69055
Surr: DNOP	89.6	21-129		%Rec	1	7/26/2022 1:15:02 PM	69055
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	3.4		mg/Kg	1	7/26/2022 2:38:00 PM	G89787
Surr: BFB	95.9	37.7-212		%Rec	1	7/26/2022 2:38:00 PM	G89787
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.017		mg/Kg	1	7/26/2022 2:38:00 PM	R89787
Toluene	ND	0.034		mg/Kg	1	7/26/2022 2:38:00 PM	R89787
Ethylbenzene	ND	0.034		mg/Kg	1	7/26/2022 2:38:00 PM	R89787
Xylenes, Total	ND	0.068		mg/Kg	1	7/26/2022 2:38:00 PM	R89787
Surr: 4-Bromofluorobenzene	91.1	70-130		%Rec	1	7/26/2022 2:38:00 PM	R89787

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	Estimated value
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
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2207C28**
Date Reported: **7/28/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates
Client Sample ID: BH08 @ 95-97.5
Project: Enterprise A 18 Set B
Collection Date: 7/22/2022 2:36:00 PM
Lab ID: 2207C28-014 **Matrix:** MEOH (SOIL) **Received Date:** 7/26/2022 6:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JTT**	
Chloride	79	60		mg/Kg	20	7/26/2022 2:07:17 PM	69063
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**	
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	7/26/2022 1:39:22 PM	69055
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	7/26/2022 1:39:22 PM	69055
Surr: DNOP	86.3	21-129		%Rec	1	7/26/2022 1:39:22 PM	69055
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	3.6		mg/Kg	1	7/26/2022 2:58:00 PM	G89787
Surr: BFB	97.2	37.7-212		%Rec	1	7/26/2022 2:58:00 PM	G89787
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.018		mg/Kg	1	7/26/2022 2:58:00 PM	R89787
Toluene	ND	0.036		mg/Kg	1	7/26/2022 2:58:00 PM	R89787
Ethylbenzene	ND	0.036		mg/Kg	1	7/26/2022 2:58:00 PM	R89787
Xylenes, Total	ND	0.072		mg/Kg	1	7/26/2022 2:58:00 PM	R89787
Surr: 4-Bromofluorobenzene	91.5	70-130		%Rec	1	7/26/2022 2:58:00 PM	R89787

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	Estimated value
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
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2207C28**
Date Reported: **7/28/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates **Client Sample ID:** BH08 @ 97.5-100
Project: Enterprise A 18 Set B **Collection Date:** 7/22/2022 2:46:00 PM
Lab ID: 2207C28-015 **Matrix:** MEOH (SOIL) **Received Date:** 7/26/2022 6:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JTT**	
Chloride	ND	60		mg/Kg	20	7/26/2022 2:19:38 PM	69063
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	7/26/2022 1:48:03 PM	69055
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	7/26/2022 1:48:03 PM	69055
Surr: DNOP	82.5	21-129		%Rec	1	7/26/2022 1:48:03 PM	69055
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	3.5		mg/Kg	1	7/26/2022 3:18:00 PM	G89787
Surr: BFB	92.7	37.7-212		%Rec	1	7/26/2022 3:18:00 PM	G89787
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.017		mg/Kg	1	7/26/2022 3:18:00 PM	R89787
Toluene	ND	0.035		mg/Kg	1	7/26/2022 3:18:00 PM	R89787
Ethylbenzene	ND	0.035		mg/Kg	1	7/26/2022 3:18:00 PM	R89787
Xylenes, Total	ND	0.070		mg/Kg	1	7/26/2022 3:18:00 PM	R89787
Surr: 4-Bromofluorobenzene	88.1	70-130		%Rec	1	7/26/2022 3:18:00 PM	R89787

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	Estimated value
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
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2207C28**
Date Reported: **7/28/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates
Client Sample ID: BH08 @ 100-101
Project: Enterprise A 18 Set B
Collection Date: 7/22/2022 2:52:00 PM
Lab ID: 2207C28-016 **Matrix:** MEOH (SOIL) **Received Date:** 7/26/2022 6:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JTT**	
Chloride	61	60		mg/Kg	20	7/26/2022 2:31:58 PM	69063
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	7/26/2022 2:43:40 PM	69055
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/26/2022 2:43:40 PM	69055
Surr: DNOP	84.9	21-129		%Rec	1	7/26/2022 2:43:40 PM	69055
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	4.5		mg/Kg	1	7/26/2022 3:38:00 PM	G89787
Surr: BFB	94.3	37.7-212		%Rec	1	7/26/2022 3:38:00 PM	G89787
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.022		mg/Kg	1	7/26/2022 3:38:00 PM	R89787
Toluene	ND	0.045		mg/Kg	1	7/26/2022 3:38:00 PM	R89787
Ethylbenzene	ND	0.045		mg/Kg	1	7/26/2022 3:38:00 PM	R89787
Xylenes, Total	ND	0.089		mg/Kg	1	7/26/2022 3:38:00 PM	R89787
Surr: 4-Bromofluorobenzene	88.4	70-130		%Rec	1	7/26/2022 3:38:00 PM	R89787

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	Estimated value
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
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2207C28**

28-Jul-22

Client: Souder, Miller & Associates

Project: Enterprise A 18 Set B

Sample ID:	**MB-69063**	SampType:	**mblk**	TestCode:	**EPA Method 300.0: Anions**					
Client ID:	**PBS**	Batch ID:	**69063**	RunNo:	**89792**					
Prep Date:	**7/26/2022**	Analysis Date:	**7/26/2022**	SeqNo:	**3198494**	Units:	**mg/Kg**			

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

Sample ID:	**LCS-69063**	SampType:	**lcs**	TestCode:	**EPA Method 300.0: Anions**					
Client ID:	**LCSS**	Batch ID:	**69063**	RunNo:	**89792**					
Prep Date:	**7/26/2022**	Analysis Date:	**7/26/2022**	SeqNo:	**3198495**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	96.2	90	110			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
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
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2207C28**

28-Jul-22

Client: Souder, Miller & Associates

Project: Enterprise A 18 Set B

Sample ID: **MB-69054**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **69054**	RunNo: **89781**
Prep Date: **7/26/2022**	Analysis Date: **7/26/2022**	SeqNo: **3197314** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	15								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.9		10.00		89.0	21	129			

Sample ID: **LCS-69054**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **69054**	RunNo: **89781**
Prep Date: **7/26/2022**	Analysis Date: **7/26/2022**	SeqNo: **3197315** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	43	15	50.00	0	85.4	64.4	127			
Surr: DNOP	4.4		5.000		88.6	21	129			

Sample ID: **MB-69055**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **69055**	RunNo: **89781**
Prep Date: **7/26/2022**	Analysis Date: **7/26/2022**	SeqNo: **3197316** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	15								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.1		10.00		80.7	21	129			

Sample ID: **LCS-69055**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **69055**	RunNo: **89781**
Prep Date: **7/26/2022**	Analysis Date: **7/26/2022**	SeqNo: **3197317** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	40	15	50.00	0	80.5	64.4	127			
Surr: DNOP	3.8		5.000		76.7	21	129			

Sample ID: **LCS-69038**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **69038**	RunNo: **89790**
Prep Date: **7/25/2022**	Analysis Date: **7/26/2022**	SeqNo: **3197677** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.3		5.000		86.7	21	129			

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 interference
B	Analyte detected in the associated Method Blank
E	Estimated value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2207C28**

28-Jul-22

Client: Souder, Miller & Associates

Project: Enterprise A 18 Set B

Sample ID: **MB-69038**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **69038**	RunNo: **89790**
Prep Date: **7/25/2022**	Analysis Date: **7/26/2022**	SeqNo: **3197678** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	8.5		10.00		84.9	21	129			

Sample ID: **2207C28-006AMS**	SampType: **MS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **BH08 @ 64-66**	Batch ID: **69055**	RunNo: **89781**
Prep Date: **7/26/2022**	Analysis Date: **7/26/2022**	SeqNo: **3197912** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	49	14	45.37	39.83	20.6	36.1	154			S
Surr: DNOP	3.9		4.537		85.2	21	129			

Sample ID: **2207C28-006AMSD**	SampType: **MSD**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **BH08 @ 64-66**	Batch ID: **69055**	RunNo: **89781**
Prep Date: **7/26/2022**	Analysis Date: **7/26/2022**	SeqNo: **3197913** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	52	15	48.88	39.83	24.7	36.1	154	5.41	33.9	S
Surr: DNOP	4.3		4.888		87.3	21	129	0	0	

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 interference
B	Analyte detected in the associated Method Blank
E	Estimated value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2207C28**

28-Jul-22

Client: Souder, Miller & Associates

Project: Enterprise A 18 Set B

Sample ID: **2.5ug gro lcs**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **G89787**	RunNo: **89787**
Prep Date:	Analysis Date: **7/26/2022**	SeqNo: **3197337** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	5.0	25.00	0	98.2	72.3	137			
Surr: BFB	2000		1000		199	37.7	212			

Sample ID: **mb**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **G89787**	RunNo: **89787**
Prep Date:	Analysis Date: **7/26/2022**	SeqNo: **3197338** 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	840		1000		84.4	37.7	212			

Sample ID: **2207c28-001ams**	SampType: **MS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **BH08 @ 50-52.5**	Batch ID: **G89787**	RunNo: **89787**
Prep Date:	Analysis Date: **7/26/2022**	SeqNo: **3198141** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	17	3.3	16.51	0	104	70	130			
Surr: BFB	1300		660.5		198	37.7	212			

Sample ID: **2207c28-001amsd**	SampType: **MSD**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **BH08 @ 50-52.5**	Batch ID: **G89787**	RunNo: **89787**
Prep Date:	Analysis Date: **7/26/2022**	SeqNo: **3198142** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	16	3.3	16.51	0	97.0	70	130	6.58	20	
Surr: BFB	1300		660.5		190	37.7	212	0	0	

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 interference
B	Analyte detected in the associated Method Blank
E	Estimated value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2207C28**

28-Jul-22

Client: Souder, Miller & Associates

Project: Enterprise A 18 Set B

Sample ID: **100ng btex lcs**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **R89787**	RunNo: **89787**
Prep Date:	Analysis Date: **7/26/2022**	SeqNo: **3197349** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.88	0.025	1.000	0	87.8	80	120			
Toluene	0.91	0.050	1.000	0	90.7	80	120			
Ethylbenzene	0.92	0.050	1.000	0	91.9	80	120			
Xylenes, Total	2.7	0.10	3.000	0	91.4	80	120			
Surr: 4-Bromofluorobenzene	0.91		1.000		90.8	70	130			

Sample ID: **mb**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **R89787**	RunNo: **89787**
Prep Date:	Analysis Date: **7/26/2022**	SeqNo: **3197350** 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	0.82		1.000		81.9	70	130			

Sample ID: **2207c28-002ams**	SampType: **MS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **BH08 @ 52.5-55**	Batch ID: **R89787**	RunNo: **89787**
Prep Date:	Analysis Date: **7/26/2022**	SeqNo: **3198218** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.59	0.017	0.6770	0	87.8	68.8	120			
Toluene	0.61	0.034	0.6770	0	90.6	73.6	124			
Ethylbenzene	0.63	0.034	0.6770	0	92.4	72.7	129			
Xylenes, Total	1.9	0.068	2.031	0	92.8	75.7	126			
Surr: 4-Bromofluorobenzene	0.58		0.6770		85.1	70	130			

Sample ID: **2207c28-002amsd**	SampType: **MSD**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **BH08 @ 52.5-55**	Batch ID: **R89787**	RunNo: **89787**
Prep Date:	Analysis Date: **7/26/2022**	SeqNo: **3198219** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.55	0.017	0.6770	0	81.3	68.8	120	7.65	20	
Toluene	0.57	0.034	0.6770	0	84.5	73.6	124	6.95	20	
Ethylbenzene	0.59	0.034	0.6770	0	86.4	72.7	129	6.63	20	
Xylenes, Total	1.8	0.068	2.031	0	86.5	75.7	126	6.97	20	
Surr: 4-Bromofluorobenzene	0.55		0.6770		81.7	70	130	0	0	

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 interference
B	Analyte detected in the associated Method Blank
E	Estimated value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

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: **Souder, Miller & Associates** Work Order Number: **2207C28** RcptNo: 1

Received By: **Juan Rojas** **7/26/2022 6:30:00 AM**

Completed By: **Cheyenne Cason** **7/26/2022 7:27:41 AM**

Reviewed By: 7.26.22

Chain of Custody

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

Log In

3. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
4. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
5. Sample(s) in proper container(s)?	Yes ☑	No ☐	
6. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
7. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
8. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
9. Received at least 1 vial with headspace <1/4" for AQ VOA?	Yes ☐	No ☐	NA ☑
10. Were any sample containers received broken?	Yes ☐	No ☑	
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	
12. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
13. Is it clear what analyses were requested?	Yes ☑	No ☐	
14. 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: JR 7/26/22

Special Handling (if applicable)

15. 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:

16. Additional remarks:

17. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	3.2	Good	Yes			
2	0.9	Good	Yes			

Chain-of-Custody Record

Client: Souder, Miller & Associates

Mailing Address: 201 South Halagueno
Carlsbad, NM 88220

Phone #: (505) 320-8975

email or Fax#: Ashley.Maxwell@soudermiller.com

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

Accreditation: ☐ Az Compliance ☐ NELAC ☐ Other ______

☐ EDD (Type) ______

Turn-Around Time: ☐ Standard ☒ Rush Same Day

Project Name: Enterprise A-18 (Set B)

Project #:

Project Manager: Ashley Maxwell

Sampler: Heather Woods

On Ice: ☒ Yes ☐ No

# of Coolers: 2

Cooler Temp(including CF): 3.4-0.2=3.2 (°C)
1.1-0.2=0.9

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

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2207C28	BTEX / ~~MTBE / TMB's~~ (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	(Cl), ~~F, Br, NO3, NO2, PO4, SO4~~ 300.0	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)						
7/22/22	1208	S	BH08@50-52.5	(1) 4oz Glass	Non	001	X	X					X									
7/22/22	1216	S	BH08@52.5-55			002																
7/22/22	1219	S	BH08@55-55.5			003																
7/22/22	1228	S	BH08@55.5-57			004																
7/22/22	1245	S	BH08@60.25-62.25			005																
7/22/22	1259	S	BH08@64-66			006																
7/22/22	1314	S	BH08@67.5-70			007																
7/22/22	1329	S	BH08@72.5-75			008																
7/22/22	1350	S	BH08@77.5-80			009																
7/22/22	1353	S	BH08@80-82.5			010																
7/22/22	1415	S	BH08@87.5-90			011																
7/22/22	1421	S	BH08@90-92.5			012																

Date	Time	Relinquished by	Received by	Via	Date	Time
7/25/22	1606	[signature]	[signature]		7/25/22	1606
7/25/22	1850	[signature]	[signature]	Courier	7/26/22	6:30

Remarks:

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.

Chain-of-Custody Record

Client: Souder, Miller & Associates

Mailing Address: 201 South Halagueno
Carlsbad, NM 88220

Phone #: (505) 320-8975

email or Fax#: Ashley.Maxwell@soudermiller.com

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

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:
☐ Standard ☒ Rush Same Day

Project Name: Enterprise A-18 (Set B)

Project #:

Project Manager: Ashley Maxwell

Sampler: Heather Woods

On Ice: ☒ Yes ☐ No

# of Coolers: 2

Cooler Temp (including CF): 3.4-0.2=3.2 (°C); 1.1-0.2=0.9

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7/22/22	1429	S	BH08@92.5-95	(1) 4oz Jar	Cool	013	X	X					X									
7/22/22	1436	S	BH08@95-97.5	↓	↓	014	↓	↓					↓									
7/22/22	1446	S	BH08@97.5-100	↓	↓	015	↓	↓					↓									
7/22/22	1452	S	BH08@100-101	↓	↓	016	↓	↓					↓									

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
7/25/22	1606	[signature]	[signature]		7/25/22	1606
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District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
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1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 131237

CONDITIONS

Operator: Enterprise Field Services, LLC PO Box 4324 Houston, TX 77210	OGRID: 241602
	Action Number: 131237
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jharimon	None	11/17/2022