

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

October 30, 2018

#5E26816-BG13

NMOCD District 2 Ms. Maria Pruett 811 S. 1st Street Artesia, NM 88210

SUBJECT: Remediation Closure Report for the Anne Com #202H Release (2RP-4515), Malaga, New Mexico

Dear Ms. Pruett:

On behalf of Matador Resources, Souder, Miller & Associates (SMA) has prepared this Remediation Closure Report that describes the remediation of a release of liquids related to oil and gas production activities at the Anne Com #202H site. The site is in Unit E, Section 15, Township 24S, Range 28E, Eddy County, New Mexico, on Private land. Figure 1 illustrates the vicinity and site location on an USGS 7.5 minute quadrangle map.

Table 1 summarizes release information and Closure Criteria.

Table 1: Release Information and Closure Criteria				
Name	Anne Com 202H	Company	Matador Resources	
API Number	30-015-44417	Location	32.2189835 -104.0830436	
Incident Number	2RP-4515			
Estimated Date of Release	11/23/17	Date Reported to NMOCD	11/27/17	
Land Owner	Private	Reported To	OCD, Mike Bratcher	
Source of Release	Equipment Error			
Released Volume	268 bbls	Released Material	Frac Fluid	
Recovered Volume	175 bbls	Net Release	93 bbls	
NMOCD Closure Criteria	<50 feet to groundwater			
SMA Response Dates	11/27, 12/6, 2017 and 6/21, 7/11, 8/16, 2018			

## 1.0 Background

On November 27, 2017, a release was discovered at the Anne Com #202H site due to equipment error. Initial response activities were conducted by a contractor, and included source elimination and removal of free fluids via vacuum truck, which recovered approximately 175 barrels of fluid which were hauled for disposal. Figure 1 illustrates the vicinity and site location, Figures 2 and 3 illustrate the release location. The C-141 form is included in Appendix A.

### 2.0 Site Information and Closure Criteria

The Anne Com 202H is located less than one mile southwest of Malaga, New Mexico on privatelyowned land at an elevation of approximately 3,013 feet above mean sea level (amsl).

Based upon OSE and USGS (Appendix B), depth to groundwater in the area is estimated to be 13 feet below grade surface (bgs). There is one known water sources within ½-mile of the location, according to the New Mexico Office of the State Engineer (NMOSE) online water well database (https://gis.ose.state.nm.us/gisapps/ose\_pod\_locations/; accessed 10/24/2018). NMOSE well C-02836 documents a depth to groundwater at 15 feet bgs. USGS well ending 43601 documents a depth to groundwater at 15 nearest significant watercourse is the Black River , located approximately one (1) mile to the north. Figure 2 illustrates the site with 200 and 300-foot radii to indicate that it does not lie within a sensitive area as described in 19.15.29.12.C(4) 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. The site has been restored to meet the standards of Table I of 19.15.29.12 NMAC.

Table 2 demonstrates the Closure Criteria applicable to this location. Pertinent well data is attached in Appendix B.

#### 3.0 Release Characterization Activities and Findings

On November 27 and December 6, 2017, SMA personnel performed site delineation activities by collecting soil samples around the release site and throughout the visibly stained area. Soil samples were field-screened for chloride using an electrical conductivity (EC) meter.

A total of five (5) sample locations (Source, L1, L2, L3, and L4) were investigated using excavated test pits, to depths up to 3 feet bgs. A minimum of two samples were collected at each sampling location and field-screened using the method above. A total of 17 samples were collected for laboratory analysis for total chloride using EPA Method 300.0; one sample at the source was collected for analysis of 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. Table 3 itemizes the samples and field-screening results as well as identifying any variances from the typical specification of two samples per boring. Locations for all samples are depicted on Figure 3.

Laboratory samples were collected in accordance with the sampling protocol included in Appendix C. Samples were placed into laboratory supplied glassware, labeled, and maintained on ice until delivery to Hall Environmental Analysis Laboratory in Albuquerque, New Mexico (Appendix D). A summary of results can be found in Table 3.

In the workplan dated January 17, 2018, SMA proposed excavating and removing contaminated soil in the impacted area to approximately 1 foot bgs. On April 2, 2018, NMOCD requested additional sample locations and full delineation of locations to 600 ppm chloride.

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Anne Com 202H Remediation Closure Report (2RP-4515) October 30, 2018

On June 21, 2018, SMA conducted further delineation by collecting additional samples from locations L1 and L2, and from two additional sample locations (L5 and L6) to depths of four feet. Based on these results, SMA revised the estimated depth of excavation to 1,3 and 4 feet bgs. Sidewall samples were collected from the one-foot excavation of the northeastern portion of the release (SW1-SW5).

# 4.0 Soil Remediation Summary

In July and August, 2018, SMA returned to the site to guide the excavation of contaminated soil. After approval from area utilities via 811, SMA guided the excavation activities by collecting soil samples for field screening. Samples were screened for chloride using an electrical conductivity (EC) meter. The walls and base were excavated until field screening results indicated that the NMOCD Closure Criteria would be met. NMOCD was not notified 48 hours prior to closure samples being collected due to the fact they were collected before 19.15.29.5 NMAC (8/14/2018) was put into effect.

On July 11 and August 16, 2018, the excavation was completed, and confirmation samples were collected. The area around sample locations L1, L2, L6 and L7 was excavated to a depth of 1 feet bgs, Sample location L4 was excavated to a depth of 3 feet bgs, Sample location L5 was excavated to a depth of 4 feet bgs. Confirmation samples were collected from within the excavation. Confirmation samples were collected from and below the base (L1, L2, L4, L5, L6 and L7) and walls (SW1, SW2, SW3, SW4, SW5, SW6, SW7, SW8 and SW9).

A total of 26 samples were collected for laboratory analysis for total chloride using EPA Method 300.0; seven samples at locations L1, L2, L5, L6 and L7 were collected for analysis of 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.

Figure 3 shows the extent of the excavation and sample locations. All field screening and laboratory results are summarized in Table 3. Laboratory reports are included in Appendix C.

Contaminated soils were removed and replaced with clean backfill material to return the surface to previous contours. The contaminated soil was transported and disposed of at R360, Eddy County, NM, an NMOCD permitted disposal facility.

# 5.0 Scope and Limitations

The scope of our services included: assessment sampling; verifying release stabilization; regulatory liaison; remediation; and preparing this closure report. All work has been performed in accordance with generally accepted professional environmental consulting practices for oil and gas releases in the Permian Basin in New Mexico.

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

Submitted by: SOUDER, MILLER & ASSOCIATES

Smean Michelette

Lucas C. Middleton Staff Scientist

Reviewed by:

Vauna Chubbuck

Shawna Chubbuck Senior Scientist

#### ATTACHMENTS:

#### Figures:

Figure 1: Vicinity and Well Head Protection Map Figure 2: Surface Water Radius Map Figure 3: Site and Sample Location Map

#### Tables:

Table 2: NMOCD Closure Criteria JustificationTable 3: Summary of Sample Results

#### **Appendices:**

Appendix A: Form C141 Appendix B: Wells Report Appendix C: Laboratory Analytical Reports Page 4 of 88

# FIGURES

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Document: C:\Users\lcm\Documents\GIS DATA\MAPS\Anne Com 202H-Figure 2.mxd



# TABLES

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Site Information (19.15.29.11.A(2, 3, and 4) NMAC)	Source/Notes	
Depth to Groundwater (feet bgs)	13	USGS, OSE
Hortizontal Distance From All Water Sources Within 1/2 Mile (ft)	2,703	NMOSE C-02836
Hortizontal Distance to Nearest Significant Watercourse (m)	1	USGS 7.5 Topographic Map

Closure Criteria (19.15.29.12.B(4) and Table 1 NMAC)						
	Closure Criteria (units in mg/kg)					
Depth to Groundwater		Chloride *numerical limit or background, whichever is greater	ТРН	GRO + DRO	BTEX	Benzene
< 50' BGS	Х	600	100		50	10
51' to 100'		10000	2500	1000	50	10
>100'		20000	2500	1000	50	10
Surface Water yes or no			if ye	s, then		
<300' from continuously flowing watercourse or other significant watercourse? <200' from lakebed, sinkhole or playa lake?	NO 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	1	600	100		50	10
<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						
within an unstable area?	NO					
within a 100-year floodplain?	NO					

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Sample		Depth	Proposed	BTEX	Benzene	GRO	DRO	MRO	Total TPH	Cl- Field	CI-
Number on Figure 2	Sample Date	(feet bgs)	Action	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	Screens	Laboratory mg/Kg
	NMOCD Clo	sure Criteria	-	50	10	10	00		100		600
	12/6/2017	0-1	Excavated								
<b>C</b>	12/6/2017	1	In-Situ	<0.210	<0.023	<4.7	<9.9	<50	<64.6	430	230
Source	12/6/2017	2	In-Situ								<30
	12/6/2017	2.5	In-Situ								780
	11/27/2017	0-1	Excavate							11,481	
L1	11/27/2017	1	Excavate							>300	
	6/21/2018	4	Sample	<0.220	<0.025	<4.9	<9.7	<48	<62.6		170
	11/27/2017	0-1	Excavated							8,758	
	12/6/2017	1	In-Situ	-		-					300
L2	12/6/2017	2	In-Situ	-		-					220
	12/6/2017	3	In-Situ	-		-		-	-	-	1000
	6/21/2018	4	In-Situ	<0.225	<0.025	<5.0	<9.6	<48	<62.6		78
	11/27/2017	0-1	Excavate	1		-				9,905	
13	12/6/2017	1	In-Situ								280
ω	12/6/2017	2	In-Situ			-			-		88
	12/6/2017	3	In-Situ								110
	11/27/2017	0-1	Excavated							8,830	
	12/6/2017	1	Excavated							172	270
	12/6/2017	2	Excavated								1200
L4	7/11/2018	3	Sample	-	-	-			-		<30
	7/11/2018	4	Sample								380
	7/11/2018	9	Sample								170
	7/11/2018	13	Sample								160
	6/21/2018	0-1	Excavated								
	6/21/2018	1	Excavated	<0.222	<0.025	<4.9	<50	<10	<64.9		80
L5	6/21/2018	2	Excavated								160
	6/21/2018	3	Excavated								1200
	6/21/2018	4	Sample	<0.216	<0.024	<4.8	<9.5	<47	<61.3		38
	6/21/2018	0-1	Excavated								
	6/21/2018	1	Sample	<0.213	<0.024	<4.7	<9.4	<47	<61.1		160
L6	6/21/2018	2	Sample								250
	6/21/2018	3	Sample								180
	6/21/2018	4	Sample	<0.210	<0.023	<4.7	<9.1	<46	<59.8		33
	8/16/2018	0-1									
L7	8/16/2018	1	Sample								<20
	8/16/2018	2	Sample			-					<20
	8/16/2018	10	Sample	<0.216	<0.024						<20
SW1	6/21/2018	1	Sample								<30
SW2	6/21/2018	1	Sample								<30
SW3	6/21/2018	1	Sample								<30
SW4	6/21/2018	1	Sample								<30
SW5	7/11/2018	1	Sample								47
	6/21/2018	1	Sample								53
SW6	7/11/2018	1	Sample								200
SW7	7/11/2018	2	Sample								<30
5W8	7/11/2018	2	Sample								<30
SW9	//11/2018	1	Sample								1600
Call Dil	8/16/2018	L	Sample								<30
Spill Pile	11/2//2017	Surface	Sample							4,315	
RC.	12/6/2017	1	Sample								50
DG	12/0/2017	2	Sample								33
	12/0/201/	2.5	Sample								30

-- = Not Analyzed

# APPENDIX A FORM C141

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	NAB1734231291
District RP	2RP-4515
Facility ID	
Application ID	

# **Release Notification**

#### **Responsible Party**

Responsible Party Matador Resources	OGRID 228957			
Contact Name John Hurt	Contact Telephone 972-371-5499			
Contact email JHurt@matadorresources.com	Incident # (assigned by OCD) 2RP-4515			
Contact mailing address 5400 LBJ Freeway, Suite 1500 Dallas, TX 75240				

#### **Location of Release Source**

Latitude 32.2189835\_

Longitude\_\_-104.0830436\_\_\_\_ (NAD 83 in decimal degrees to 5 decimal places)

Site Name Anne COM RB #202H	Site Type Oil Well	
Date Release Discovered 11/23/17	API# (if applicable) 300-015-44417	

Unit Letter	Section	Township	Range	County
E	15	24S	28E	Eddy

Surface Owner: State Federal Tribal Private (Name: COLLINS, EFREN B & ZULEMA REV TRST\_\_\_\_\_)

#### Nature and Volume of Release

Materia	(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) 268	Volume Recovered (bbls) 175
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	Yes No
Condensate	Volume Released (bbls)	Volume Recovered (bbls)
🔲 Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)
Cause of Polesse		

Cause of Release

Piping from fracing operations failed. Pipe broke and release fluids on pad and bar ditch. Vac truck removed all standing fluid.

Form C-141	State of New Mexico Incident ID NAB173423			
Page 2	Oil Conservation Division	District RP	2RP-4515	
		Facility ID		
		Application ID		
Was this a major release as defined by 19.15.29.7(A) NMAC?	If YES, for what reason(s) does the responsible part The release was over 25 bbls	ty consider this a major release?		
If YES, was immediate n By: Casey Snow (Matad	otice given to the OCD? By whom? To whom? Wh or) To: (OCD District 2) By: Phone Initial Respons	ien and by what means (phone, e	mail, etc)?	
The responsible	party must undertake the following actions immediately unless the	ey could create a salety hazard that woul	d 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 <u>not</u> been undertaken, explain why: No containment device where used due to the nature of the land and road which aided in the containment of the release				
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: John Hurt Title: RES Specialist				
Signature: Date:10/31/18				
email:JHurt@matadorresources.com Telephone:972-371-5499				
OCD Only				
Received by: Date:				

Form C-141 Page 3 State of New Mexico Oil Conservation Division

Incident ID	NAB1734231291
District RP	2RP-4515
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?	<u>~13</u> (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

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.

Received by OCD: 12/7/2	022 11:03:15 AM			<b>Page 16 of 8</b>
Form C-141 Page 4	State of New Mexico Oil Conservation Division		Incident ID District RP Facility ID Application ID	NAB1734231291 2RP-4515
I hereby certify that the regulations all operator public health or the env failed to adequately inv addition, OCD acceptar and/or regulations. Printed Name: Signature:JHurt@m	information given above is true and complete to the s are required to report and/or file certain release not ironment. The acceptance of a C-141 report by the C estigate and remediate contamination that pose a thre nee of a C-141 report does not relieve the operator of Cohen Hurt	best of my knowledge a ifications and perform c DCD does not relieve the cat to groundwater, surfa 'responsibility for comp 	Ind understand that pursion orrective actions for rele e operator of liability shace water, human health liance with any other fea RES Specialist 1/18 _972-371-5499	uant to OCD rules and ases which may endanger ould their operations have or the environment. In deral, state, or local laws
OCD Only Received by:	Jocelyn Harimon	Date: 12	/07/2022	

Form C-141 Page 6

State of New Mexico Oil Conservation Division

Incident ID	NAB1734231291
District RP	2RP-4515
Facility ID	
Application ID	

# Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

Closure Report Attachment Checklist: Each of the following items must be included in the closure report.

A scaled site and sampling diagram as described in 19.15.29.11 NMAC

Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)

Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)

Description of remediation activities

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. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: John Hurt	Title: RES Specialist
Signature:	Date:10/31/18
email: JHurt@matadorresources.com	Telephone:972-371-5499
OCD Only	
Received by: Jocelyn Harimon	Date:12/07/2022
Closure approval by the OCD does not relieve the responsible party o remediate contamination that poses a threat to groundwater, surface w party of compliance with any other federal, state, or local laws and/or	f liability should their operations have failed to adequately investigate and ater, human health, or the environment nor does not relieve the responsible regulations.
Closure Approved by:	Date:
Printed Name:	Title:

# APPENDIX B WELLS REPORT

# 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)	, (	quar	ters ters	are are	1=NV small	/ 2=NE est to la	3=SW 4: argest)	=SE) (NAI	D83 UTM in me	eters)	(1	In feet)	
POD Number	POD Sub- Code basin C	ounty	Q / 64	Q 0 16 4	) I Se	ec Tw	s Rng		x	Y	Distance	Depth Well	Depth Water	Water Column
C 02836	С	ED	2	2	2 1	6 24	5 28E	5862	203	3565676* 🌍	632		15	
C 03824 POD1	CUB	ED	4	1 :	2 1	6 24	S 28E	5857	70	3565578 🌍	810	290	60	230
C 00962	С	ED		3 3	31	0 24	S 28E	5865	505	3565992* 🌍	919	63	9	54
<u>C 00890</u>	CUB	ED	3	3 4	41	0 24	S 28E	5872	211	3565897* 🌍	1148	50		
<u>C 00488</u>	С	ED	2	1 :	2 1	5 24	5 28E	5874	12	3565688* 🌍	1176	64	8	56
<u>C 00764</u>	CUB	ED	3	1 :	31	0 24	5 28E	5863	399	3566292* 🌍	1214	118	25	93
<u>C 03132</u>	С	ED	1	2 4	41	5 24	S 28E	5876	616	3564877* 🌍	1225	90	19	71
<u>C 00346</u>	С	ED		2 2	2 1	5 24	5 28E	5877	715	3565591* 🌍	1405	90	32	58
<u>C 02244</u>	С	LE	3	1 :	2 2	2 24	5 28E	5872	224	3563865* 🌍	1462	260		
C 02524 POD2	С	ED	2	2 2	2 1	5 24	S 28E	5878	314	3565690* 🌍	1534	90	11	79
										Avera	ge Depth to	Water:	22	feet
											Minimum	Depth:	8	feet
											Maximum	Depth:	60	feet
Becard County 10					_									

#### Record Count: 10

UTMNAD83 Radius Search (in meters):

Easting (X): 586406.51

Northing (Y): 3565077.49

**Radius:** 1610

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

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

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USGS Home Contact USGS Search USGS

#### **National Water Information System: Web Interface**

**USGS Water Resources** 

Data Category: Groundwater Geographic Area: United States

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#### Click to hideNews Bulletins

- <u>Please see news on new formats</u>
- Full News 🔊

Groundwater levels for the Nation

# Search Results -- 1 sites found

site\_no list =

• 321336104043601

#### **Minimum number of levels =** 1

Save file of selected sites to local disk for future upload

# USGS 321336104043601 24S.28E.10.343114

Available data for this site Groundwater: Field measurements

Eddy County, New Mexico Hydrologic Unit Code --Latitude 32°13'36", Longitude 104°04'36" NAD27 Land-surface elevation 3,012 feet above NAVD88 The depth of the well is 50 feet below land surface. 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. <u>Download a presentation-quality graph</u>

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

Accessibility Plug-Ins FOIA Privacy

Policies and Notices

U.S. Department of the Interior | U.S. Geological Survey Title: Groundwater for USA: Water Levels URL: https://nwis.waterdata.usgs.gov/nwis/gwlevels?

Page Contact Information: <u>USGS Water Data Support Team</u> Page Last Modified: 2018-10-22 08:27:51 EDT 1.1 0.93 nadww01





USGS Home Contact USGS Search USGS

#### **National Water Information System: Web Interface**

**USGS Water Resources** 

Data Category: Groundwater Geographic Area: United States

V

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#### Click to hideNews Bulletins

- <u>Please see news on new formats</u>
- Full News 🔊

Groundwater levels for the Nation

# Search Results -- 1 sites found

site\_no list =

• 321232104055301

#### **Minimum number of levels =** 1

Save file of selected sites to local disk for future upload

# USGS 321232104055301 24S.28E.20.22244

Available data for this site Groundwater: Field measurements

Eddy County, New Mexico Hydrologic Unit Code --Latitude 32°12'32", Longitude 104°05'53" NAD27 Land-surface elevation 3,039 feet above NAVD88 The depth of the well is 212 feet below land surface. 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	

USGS 321232104055301 245.28E.20.22244 3002 feet 38 3000 40 1988, 2998 42 2996 44 surface above 2994 46 2992 leve] 48 2990 50 Groundwater 2988 52 2986 54 Jul Oct Nov Dec Jan Feb Har Арг Hay Jun 1955 1955 1955 1955 1954 1954 1954 1955 1955 1955

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

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U.S. Department of the Interior | U.S. Geological Survey **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: 2018-10-22 08:27:54 EDT 1.08 0.94 nadww01



# Depth to water level, feet below land Period of approved data

(This form is to be executed in triplicate)

WELL RECORD

Date of Receipt				Pern	nit No	ral
Name of permite	e,Qar	lebad Irrige	tion Distri	<b>c ჭ</b>	ته دید اللہ 	
Street or P. O.	303	Nest Fox	, City and State	Carlebad	. N. M.	
Wall leastion and	Lots 8-	9-10-11 Blk. The shallow w	13 Malaga '	Townsite	2 NE	
. wen location and	description.	(shallow or artesian)	en is located in		4	
<sup>1</sup> ⁄4 of	f Section	15, Township		28 E	; Elevatio	on of top
casing above sea	level,	feet; diame	ter of hole,8	inches; tot	al depth, 6	4 fe
depth to water up	pon completion	1,8./feet;	drilling was comme	nced Oct	t <b>. 1</b> 7	19
and completed	0ct. 1	9, 1953 ; :	name of drilling co	ntractor J.	F. Kimm	e11
Box 4	6 · Add	ress Carlabad.	N. M.	· Driller's Lice	app	lied
Dringing Water	beering Strate			, 111101 0 11100		
2. FINCIPAI Water-	in Feet	Thiskness	Desorini	tion of Water-bea	ring Formation	
From	То	2.11.01.11.03.0	**************************************			
No. 1 32	54	22	Lime	· ·	· · · · · · · · ·	
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). Casing Record: Diameter Pounds in inches per ft.	Threads per inch	Depth of Casing or Line Top Bottom	r Feet of Casing T	ype of Shoe	- Perfo From	rațion To
3. Casing Record: Diameter Pounds in inches per ft. 7.	Threads per inch	Depth of Casing or Line Top Bottom ground 64	T Feet of Casing T 651 6#	ype of Shoe	Perfo From	ration To
casing Record: Diameter Pounds in inches per ft.	Threads per inch	Depth of Casing or Line Top Bottom ground 64	Feet of Casing T 6516#	ype of Shoe	Perfo From	ration To
3. Casing Record: Diameter Pounds in inches per ft. 	Threads per inch	Depth of Casing or Line Top Bottom ground 64	or Feet of T. Casing T. 6516#	ype of Shoe	Perfo From	ration To
3. Casing Record: Diameter Pounds in inches per ft. 	Threads per inch	Depth of Casing or Line Top Bottom ground 64	or Feet of T. Casing T. 	ype of Shoe	Perfo From	ration To
3. Casing Record: Diameter Pounds in inches per ft. 	Threads per inch	Depth of Casing or Line Top Bottom ground 64	or Feet of T.	ype of Shoe	Perfo From	ration To
3. Casing Record: Diameter Pounds in inches per ft. 	Threads per inch	Depth of Casing or Line Top Bottom ground 64	or Feet of Casing T	ype of Shoe	Perfo From	ration To 5.5
<ol> <li>Casing Record:</li> <li>Diameter Pounds in inches per ft.</li> <li>7</li> <li>4. If above construct</li> </ol>	Threads per inch	Depth of Casing or Line Top 64 ground 64 old well to be aband	or Feet of Casing T. 	'ype of Shoe	Perfo From	ration To 5.5
3. Casing Record: Diameter Pounds in inches Per ft. 7. 4. If above construct of Section	Threads per inch	Depth of Casing or Line Top Bottom ground 64 old well to be aband	Feet of Casing T 	ype of Shoe	Perfo From 2.5	ration To 5.5
3. Casing Record: Diameter Pounds in inches per ft. 7	Threads per inch	Depth of Casing or Line Top 64 ground 64 old well to be aband p, Rar	or Feet of Casing T. 	ype of Shoe	Perfo From	ration To 5.5.
3. Casing Record:         Diameter in fnohes       Pounds per ft.         7       7         4. If above construct of Section	Threads per inch	Depth of Casing or Line Top Bottom ground 64 old well to be aband p, Rar	or Feet of Casing T. 	ype of Shoe	Perfo From 2.5	ration To 5.5
3. Casing Record:         Diameter in fnohes       Pounds per ft.         7       7         4. If above construct of Section	Threads per inch	Depth of Casing or Line Top Bottom ground 64 old well to be aband p, Rar	or Feet of Casing T. 	ype of Shoe	Perfo From 2.5 	ration To 5.5
<ol> <li>Casing Record:         Diameter Pounds in inches per ft.         7         4. If above construction of Section         date of plugging     </li> </ol>	Threads per inch	Depth of Casing or Line Top Bottom ground 64 old well to be aband p, Rar	Feet of Casing T 	ype of Shoe :	Perfo From 2.5 % s of pluggin ged:	ration To 5.5
<ol> <li>Casing Record:         Diameter Pounds in inches per ft.         7         4. If above construction of Section</li></ol>	Threads per inch	Depth of Casing or Line Top Bottom ground 64 old well to be aband p, Rar , 19	Feet of Casing T 	ype of Shoe :	Perfo From 2.5 % ss of pluggin gged:	ration To 5.5
<ul> <li>3. Casing Record:</li> <li>Diameter Pounds per ft.</li> <li>7</li> <li>7</li> <li>4. If above construction of Section date of plugging</li> </ul>	Threads per inch	Depth of Casing or Line Top Bottom ground 64. old well to be aband p, Rar	Feet of Casing T 	ype of Shoe :	Perfo From 2.5 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	ration To 5.5
<ul> <li>3. Casing Record:</li> <li>Diameter Pounds per ft.</li> <li>77.</li> <li>4. If above construct of Section</li></ul>	Threads per inch	Depth of Casing or Line Top Bottom ground 64. old well to be aband p, Ran	Feet of Casing T 	ype of Shoe :	Perfo From 2.5 34 35 35 of pluggin (ged: 2.8 1955	ration To 5.5
<ul> <li>3. Casing Record:</li> <li>Diameter Pounds per ft.</li> <li>77.</li> <li>4. If above construction of Section</li></ul>	Threads per inch	Depth of Casing or Line Top Bottom ground 64. old well to be aband p, Rar	Feet of Casing T. 	ype of Shoe :	Perfo From 2.5 325 44 55 of pluggin 59 59 50 57 57 57 57 57 57 57 57 57 57 57 57 57	ration To 5.5

Released to Inta Sting 1397/2025 99: 14:02 AM

Received by OCD: 12/7/2022 11:02:15 AM

Loc. no: 24.28.15.210

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Page 24 of 88

Page 25 of 88

5. Log of Well:

Depth From	in Feet	Thickness in feet	Description of Formation
00 .	01	01	Soil
	08	07	Caliche
08	32	24	Gray Clay
32	54	22	Lime
54	64.	10	Gray Clay
<u></u>			
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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.

ensed Well Driller Licen 6

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Instructions

This form shall be executed, preferably typewritten, in triplicate and filed with the State Engineer's Office at Roswell, New Mexico, within 10 days after drilling has been completed. Data on water-bearing strata and on all formations encountered should be as complete and accurate as possible.

Side,

# APPENDIX C LABORATORY ANALYTICAL REPORTS



December 18, 2017

Austin Weyant Souder, Miller & Associates 201 S Halagueno Carlsbad, NM 88221 TEL: (575) 689-7040 FAX Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: <u>www.hallenvironmental.com</u>

OrderNo.: 1712483

RE: Anne Com 202 H

Dear Austin Weyant:

Hall Environmental Analysis Laboratory received 8 sample(s) on 12/8/2017 for the analyses presented in the following report.

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

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

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Hall Enviror	nmental Analys	Analytical Report Lab Order: 1712483 Date Reported: 12/18/2017				
CLIENT: Project:	Souder, Miller & Asso Anne Com 202 H	ociates			Lab Order: 17	12483
Lab ID:	1712483-001			Collection I	Date: 12/6/2017 12:20:0	0 PM
Client Sample ID	: L2-1			Ma	trix: SOIL	
Analyses		Result	PQL Qua	l Units	DF Date Analyze	d Batch ID
EPA METHOD 30 Chloride	00.0: ANIONS	300	30	mg/Kg	, 20 12/15/2017 2:0 <sup>-</sup>	Analyst: <b>MRA</b> 1:17 PM  35535
Lab ID:	1712483-002			Collection I	Date: 12/6/2017 12:25:0	0 PM
Client Sample ID	: L2-2			Ma	trix: SOIL	
Analyses		Result	PQL Qua	l Units	DF Date Analyze	d Batch ID
EPA METHOD 30	0.0: ANIONS				,	Analyst: MRA
Chloride		220	30	mg/Kg	20 12/15/2017 2:38	3:30 PM 35535
Lab ID: Client Sample ID	1712483-003			Collection I Ma	Date: 12/6/2017 12:40:0	0 PM
Analyses	• === 5	Result	PQL Qua	Units	DF Date Analyze	d Batch ID
EPA METHOD 30	00.0: ANIONS					Analyst: <b>MRA</b>
Chloride		1000	30	mg/Kg	20 12/15/2017 2:50	0:55 PM 35535
Lab ID:	1712483-004			Collection I	Date: 12/6/2017 1:10:00	) PM
Client Sample ID	: L3-1			Ma	trix: SOIL	
Analyses		Result	PQL Qua	Units	DF Date Analyze	d Batch ID
EPA METHOD 30	00.0: ANIONS				,	Analyst: MRA
Chloride		280	30	mg/Kg	20 12/15/2017 12:	57:44 PM 35538
Lab ID:	1712483-005			Collection I	Date: 12/6/2017 1:13:00	AM
Client Sample ID	: L3-2			Ma	trix: SOIL	
Analyses		Result	PQL Qua	Units	DF Date Analyze	d Batch ID
EPA METHOD 30	00.0: ANIONS					Analyst: MRA
Chloride		88	30	mg/Kg	20 12/15/2017 1:10	0:09 PM 35538

- Qualifiers:
- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits Page 1 of 3
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

...

Hall Environ	mental Analys	is Laborat	ory, Inc.		Date Reported: 12/18/2017
CLIENT: S Project: A	Souder, Miller & Asso Anne Com 202 H	ciates			<b>Lab Order:</b> 1712483
Lab ID: Client Sample ID:	1712483-006			Collection D Mat	ate: 12/6/2017 1:18:00 PM
Analyses		Result	PQL Qual	Units	DF Date Analyzed Batch ID
EPA METHOD 300 Chloride	0.0: ANIONS	110	30	mg/Kg	Analyst: MRA 20 12/15/2017 1:22:34 PM 35538
Lab ID:	1712483-007			Collection D	ate: 12/6/2017 2:00:00 PM
Client Sample ID:	L4-1			Mat	rix: SOIL
Analyses		Result	PQL Qual	Units	DF Date Analyzed Batch ID
EPA METHOD 300	0.0: ANIONS				Analyst: MRA
Chloride		270	30	mg/Kg	20 12/15/2017 1:34:58 PM 35538
Lab ID:	1712483-008			Collection D	ate: 12/6/2017 2:08:00 AM
Client Sample ID:	L4-2			Mat	rix: SOIL
Analyses		Result	PQL Qual	Units	DF Date Analyzed Batch ID
EPA METHOD 300	0.0: ANIONS				Analyst: MRA
Chloride		1200	75	mg/Kg	50 12/15/2017 2:49:26 PM 35538

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
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S
- Analyte detected in the associated Method Blank В
- Value above quantitation range Е
- J Analyte detected below quantitation limits Page 2 of 3
- Р Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

**Analytical Report** Lab Order: 1712483

#### Released to Imaging: 3/7/2023 9:14:02 AM

\*

# **QC SUMMARY REPORT** Hall Environmental Analysis Laboratory, Inc.

Client: Project:	Souder Anne C	, Miller & Associat Com 202 H	tes						
Sample ID	MB-35535	SampType: m	blk	Tes	tCode: EPA Meti	hod 300.0: Anion	s		
Client ID:	PBS	Batch ID: 3	5535	R	RunNo: <b>47816</b>		-		
Prep Date:	12/15/2017	Analysis Date: 1	2/15/2017	ç	SegNo: 1531039	Units: ma/K	a		
riop Bato.	12/10/2011		0.01/						<b>a</b> 1
Chlorido		Result PQL	SPK value	SPK Ref Val	%REC LowLi	mit HighLimit	%RPD	RPDLimit	Qual
Chionae		ND 1.5							
Sample ID	D LCS-35535 SampType: Ics TestCode: EPA Method 300.0: Anions								
Client ID:	LCSS	Batch ID: 3	5535	R	RunNo: <b>47816</b>				
Prep Date:	12/15/2017	Analysis Date: 1	2/15/2017	S	GeqNo: 1531040	Units: mg/k	ģ		
Analyte		Result PQL	SPK value	SPK Ref Val	%REC LowLi	mit HighLimit	%RPD	RPDLimit	Qual
Chloride		14 1.5	5 15.00	0	92.4	90 110			
Sample ID	MB-35538	SampType: <b>m</b>	blk	Tes	tCode: EPA Met	hod 300.0: Anion	S		
Client ID:	PBS	Batch ID: 3	5538	R	RunNo: <b>47827</b>				
Prep Date:	12/15/2017	Analysis Date: 1	2/15/2017	S	GeqNo: 1531133	Units: mg/K	g		
Analyte		Result PQL	SPK value	SPK Ref Val	%REC LowLi	mit HighLimit	%RPD	RPDLimit	Qual
Chloride		ND 1.5	5						
Sample ID	LCS-35538	SampType: Ic	s	Tes	tCode: EPA Meti	hod 300.0: Anion	s		
Client ID:	LCSS	Batch ID: 3	5538	R	RunNo: <b>47827</b>				
Prep Date:	12/15/2017	Analysis Date: 1	2/15/2017	S	SeqNo: 1531134	Units: <b>mg/k</b>	g		
Analyte		Result PQL	SPK value	SPK Ref Val	%REC LowLi	mit HighLimit	%RPD	RPDLimit	Qual
Chloride		14 1.5	15.00	0	94.4	90 110			

**Qualifiers:** 

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

1712483

18-Dec-17

WO#:

Page 3 of 3

HALL ENVIRONMENTAL ANALYSIS LABORATORY	Hall Enviro TEL: 505-3- Website;	Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com					
Client Name: SMA-CARLSBAD	Work Order N	umber: 17124	33		RcptNo:	1	
Received By: Erin Melendrez	12/8/2017 9:35:	00 444	11	111_			
Completed By: Isaiah Ortiz	12/8/2017 10:58	-24 444	15				
Reviewed By: ENM	12/8/17	STAM	Id				
Chain of Custody							
1. Custody seals intact on sample hottles?			-	_			
2. Is Chain of Custody complete?		Yes L	_ No	No No	t Present 🗹		
3. How was the sample delivered?		Yes Le	a No	L No	t Present 🗌		
Log In		000101					
4. Was an attempt made to cool the samples?		Yes 🖌	No No				
5. Were all samples received at a temperature of	f >0° C to 6.0°C	Yes 🔽	No		NA 🗍		
6. Sample(s) in proper container(s)?		Yes 🔽	No				
7. Sufficient sample volume for indicated test(s)?		¥		_			
8. Are samples (except VOA and ONG) property	Vecesed?	Yes 🔽	No				
9. Was preservative added to bottles?	viewer ved /	Yes ☑ Yes □	No				
10. VOA vials have zero headspace?					NA 🖂		
11. Were any sample containers received broken?		Yes 🖂	No I		A Vials 🗹		
12. Does paperwork match bottle labels? (Note discrepancies on chain of custody)		Yes 🗹	No	# of pre bottles for pH:	eserved checked		
3. Are matrices correctly identified on Chain of Cus	dody?	V [7]			(<2 or >12	unless noted)	
4. Is it clear what analyses were requested?		Yes V	No L	_ ^	djusted?		
<ol> <li>Were all holding times able to be met? (If no, notify customer for authorization.)</li> </ol>		Yes 🗹	No [	Ch	ecked by:		
pecial Handling (if applicable)							
<ol><li>Was client notified of all discrepancies with this of</li></ol>	rder?	Yes 🗌	No [	1 0			
Person Notified:	Datar			-	NA 🗹		
By Whom:		l DeMail In	Di				
Regarding:	vid.		Phone    Fa	ix In Pers	ion		
Client Instructions:							
Additional remarks:							
Cooler Information							
Cooler No Temp °C Condition Seal Int	act Seal No	Seal Date	Signed By	1			
			origined By				

	Chain	-of-CL	Istody Record	I urm-Around				-						
Client	SA	41		C Standard	g Rush	Eday turn				NV:		NME	IN IN	,>
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Mailin	g Addres	5:201 J	S. Halag Weno	Ann	4 CON	102 #4	4901	Hawkins		buduer	oue N	M 87109		
			D	Project #:			Tel.	505-345-3	975	Fax 50	05-345	4107		
Phone	;#:								Ana	lysis R	sanba	t l		
email	or Fax#:			Project Mana	ger:		() ()	101		(°C				_
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	D (Type)			Sample Temp	perature:	2	49) + 38 + 38	09 P	sis 3 ro	ON	) səp	AOV		io Y
Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No.	этм + хэта этм + хэта аатов нят	EDB (Methoo	0168) a'HA9 8 Met 8 Met	D) snoinA	AOV) 80828	'-im92) 0728		) səlddu8 1iA
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>	2:08	>	64-21	+		- 00%				>				
											_		+	-
Date:	i Timu	Refinnish	ther.	Received hv		Date			-					_
1/1/2	J:Slo	M	fer	ANY-	1	12/4/7 1456	Alligive.			de.				
2/1/17	Time:	Relinquist	ed by:	Recéived by:		Date Time 12/8/17 0938	10	W	ctal	101				
•	If necessary	sample, subr	mitted to Hall Environmental may be subco	ontracted to other ac	credited laboratorie	s. This serves as notice of this p	ossibility. Any:	sub-contracte	d data will b	e clearly n	otated on	the analytica	al report.	

Released to Imaging: 3/7/2023 9:14:02 AM



December 18, 2017

Austin Weyant Souder, Miller & Associates 201 S Halagueno Carlsbad, NM 88221 TEL: (575) 689-7040 FAX (505) 885-0776

RE: Anne Com 202 11

OrderNo.: 1712480

Hall Environmental Analysis Laboratory

TEL: 505-345-3975 FAX: 505-345-4107

Website: www.hallenvironmental.com

4901 Hawkins NE

Albuquerque, NM 87109

Dear Austin Weyant:

Hall Environmental Analysis Laboratory received 6 sample(s) on 12/8/2017 for the analyses presented in the following report.

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

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

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Hall Environmental Analysi	s Labora	tory, Inc.		Analytical Report Lab Order 1712480 Date Reported: 12/18/	/2017
CLIENT: Souder, Miller & Associates			Client Sampl	e ID: BG-1	
Project: Anne Com 202 11			Collection I	Date: 12/6/2017 1:42:00 PM	
<b>Lab ID:</b> 1712480-001	Matrix:	SOIL	Received l	Date: 12/8/2017 9:35:00 AM	
Analyses	Result	PQL Qu	al Units	DF Date Analyzed	Batch
EPA METHOD 300.0: ANIONS				Analy	st: MRA
Chloride	50	30	mg/Kg	20 12/15/2017 11:19:56	AM 35535

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits Page 1 of 10
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Hall Environmental Analysi	s Labora	tory, Inc.		Analytical Report Lab Order 1712480 Date Reported: 12/18/	/2017
CLIENT: Souder, Miller & Associates			Client Sampl	e ID: BG-2	
Project: Anne Com 202 11			Collection I	Date: 12/6/2017 1:45:00 PM	
<b>Lab ID:</b> 1712480-002	Matrix:	SOIL	Received l	Date: 12/8/2017 9:35:00 AM	
Analyses	Result	PQL Qu	ual Units	DF Date Analyzed	Batch
EPA METHOD 300.0: ANIONS				Analy	st: MRA
Chloride	33	30	mg/Kg	20 12/15/2017 11:32:20	AM 35535

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits Page 2 of 10
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Hall Environmental Analysi	s Labora	tory, Inc.		Analytical Report Lab Order 1712480 Date Reported: 12/18/	2017
CLIENT: Souder, Miller & Associates Project: Anne Com 202 11 Lab ID: 1712480-003	Matrix:	SOIL	Client Sampl Collection I Received I	e ID: BG-2.5 Date: 12/6/2017 1:53:00 PM Date: 12/8/2017 9:35:00 AM	
Analyses	Result	PQL Qu	al Units	DF Date Analyzed	Batch
EPA METHOD 300.0: ANIONS Chloride	36	30	mg/Kg	Analys 20 12/15/2017 12:09:34 F	st: <b>MRA</b> PM 35535

Qualifiers:	*
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- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits Page 3 of 10
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified
**Project:** 

Lab ID:

**CLIENT:** Souder, Miller & Associates

Anne Com 202 11

1712480-004

Analytical Report
Lab Order 1712480

Hall	Environmental	Analysis	Laboratory, Inc.	•
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Date Reported: 12/18/2017

Client Sample ID: Source 1 Collection Date: 12/6/2017 11:57:00 AM Received Date: 12/8/2017 9:35:00 AM

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	st: MRA
Chloride	230	30	mg/Kg	20	12/15/2017 12:21:59 F	PM 35535
EPA METHOD 8015M/D: DIESEL RAN	GE ORGANICS	6			Analys	st: TOM
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	12/12/2017 6:43:34 PI	M 35433
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	12/12/2017 6:43:34 PI	M 35433
Surr: DNOP	85.2	70-130	%Rec	1	12/12/2017 6:43:34 PI	M 35433
EPA METHOD 8015D: GASOLINE RA	NGE				Analys	st: NSB
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	12/11/2017 11:10:18 A	AM 35409
Surr: BFB	114	15-316	%Rec	1	12/11/2017 11:10:18	AM 35409
EPA METHOD 8021B: VOLATILES					Analys	st: NSB
Benzene	ND	0.023	mg/Kg	1	12/11/2017 11:10:18 A	AM 35409
Toluene	ND	0.047	mg/Kg	1	12/11/2017 11:10:18	AM 35409
Ethylbenzene	ND	0.047	mg/Kg	1	12/11/2017 11:10:18	AM 35409
Xylenes, Total	ND	0.093	mg/Kg	1	12/11/2017 11:10:18	AM 35409
Surr: 4-Bromofluorobenzene	107	80-120	%Rec	1	12/11/2017 11:10:18	AM 35409

Matrix: SOIL

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits Page 4 of 10
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Holl Environmental Analysi	Johona	tom Inc		Analytical Report Lab Order 1712480	
Han Environmental Analysi	s Ladora	tory, Inc.		Date Reported: 12/18/	2017
CLIENT: Souder, Miller & Associates			Client Sampl	e ID: Source 2	
Project: Anne Com 202 11			Collection I	Date: 12/6/2017 12:00:00 PM	
<b>Lab ID:</b> 1712480-005	Matrix:	SOIL	Received 1	Date: 12/8/2017 9:35:00 AM	
Analyses	Result	PQL Qu	al Units	DF Date Analyzed	Batch
EPA METHOD 300.0: ANIONS				Analys	st: MRA
Chloride	ND	30	mg/Kg	20 12/15/2017 12:34:24 F	PM 35535

Qualifiers:	*
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- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits Page 5 of 10
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Hall Environmental Analysi	s Labora	tory, Inc.		Analytical Report Lab Order 1712480 Date Reported: 12/18/2	2017
CLIENT: Souder, Miller & Associates Project: Anne Com 202 11 Lab ID: 1712480-006	Matrix:	SOIL	Client Sampl Collection I Received I	e ID: Source 2.5 Date: 12/6/2017 12:13:00 PM Date: 12/8/2017 9:35:00 AM	
Analyses	Result	PQL Qua	al Units	DF Date Analyzed	Batch
EPA METHOD 300.0: ANIONS Chloride	780	30	mg/Kg	Analys 20 12/15/2017 12:46:49 F	et: <b>MRA</b> PM 35535

Qualifiers:	*
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- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits Page 6 of 10
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Client: Project:	Souder, Anne C	, Miller & Associates Com 202 11				
Sample ID	MB-35535	SampType: mblk	TestCode: EPA Method	300.0: Anions		
Client ID:	PBS	Batch ID: 35535	RunNo: 47816			
Prep Date:	12/15/2017	Analysis Date: 12/15/2017	SeqNo: 1531039	Units: <b>mg/Kg</b>		
Analyte		Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual	
Chloride		ND 1.5				
Sample ID	LCS-35535	SampType: Ics	TestCode: EPA Method	300.0: Anions		
Client ID:	LCSS	Batch ID: 35535	RunNo: 47816			
Prep Date:	12/15/2017	Analysis Date: 12/15/2017	SeqNo: 1531040	Units: mg/Kg		
Analyte		Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual	
Chloride		14 1.5 15.00	0 92.4 90	110		

### **Qualifiers:**

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

1712480

18-Dec-17

WO#:

### n Range

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Released to Imaging: 3/7/2023 9:14:02 AM

Client:	Souder, Miller	& Assoc	ciates	S							
Project:	Anne Com 202	11									
Sample ID LCS-35	5 <b>433</b> Sa	mpType:	LCS	S	Tes	tCode: El	PA Method	8015M/D: Di	iesel Rang	e Organics	
Client ID: LCSS	E	3atch ID:	354	33	F	RunNo: 4	7696				
Prep Date: 12/11/	2017 Analy	sis Date:	12	/12/2017	S	SeqNo: 1	524952	Units: <b>mg/l</b>	Kg		
Analyte	Res	ult PC	QL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (	DRO) 4	<del>1</del> 6	10	50.00	0	91.7	73.2	114			
Surr: DNOP	4	.4		5.000		88.8	70	130			
Sample ID MB-354	<b>133</b> Sa	mpType:	МВ	LK	Tes	tCode: El	PA Method	8015M/D: Di	iesel Rang	e Organics	
Client ID: PBS	E	Batch ID:	354	33	F	RunNo: <b>4</b>	7696				
Prep Date: 12/11/	2017 Analy	sis Date:	12	/12/2017	5	SeqNo: 1	524953	Units: <b>mg/l</b>	Kg		
Analyte	Res	ult PC	λ	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (	DRO) N	D	10								
Notor Oil Range Organic	s (MRO) N	ID	50								
Surr: DNOP	9	.2		10.00		91.9	70	130			
Sample ID 171248	<b>0-004AMS</b> Sa	mpType:	MS		Tes	tCode: El	PA Method	8015M/D: Di	iesel Rang	e Organics	
Client ID: Source	e 1 E	Batch ID:	354	33	F	RunNo: <b>4</b>	7696				
Prep Date: 12/11/	2017 Analy	sis Date:	12	/12/2017	S	SeqNo: 1	525778	Units: <b>mg/l</b>	Kg		
Analyte	Res	ult PC	QL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (	DRO) :	39	9.3	46.43	0	84.7	55.8	125			
Surr: DNOP	3	.7		4.643		80.0	70	130			
Sample ID 171248	0-004AMSD Sa	mpType:	MS	D	Tes	tCode: El	PA Method	8015M/D: Di	iesel Rang	e Organics	
Client ID: Source	e 1 E	3atch ID:	354	33	F	RunNo: <b>4</b>	7696				
Prep Date: 12/11/	2017 Analy	sis Date:	12	/12/2017	5	SeqNo: 1	525779	Units: <b>mg/l</b>	Kg		
Analyte	Res	ult PC	λ	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (	DRO) 4	13	9.2	46.08	0	92.6	55.8	125	8.14	20	
Surr: DNOP	4	.2		4.608		90.6	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
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

1712480

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WO#:

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Client:	Souder, N	/liller & A	ssociate	es							
Project:	Anne Cor	m 202 11									
Sample ID	MB-35409	SampT	ype: ME	BLK	Tes	tCode: El	PA Method	8015D: Gase	oline Rang	e	
Client ID:	PBS	Batch	ו ID: <b>35</b>	409	F	RunNo: 4	7674				
Prep Date:	12/8/2017	Analysis D	ate: 12	2/11/2017	S	SeqNo: 1	523843	Units: <b>mg/l</b>	۲g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang	ge Organics (GRO)	ND	5.0								
Surr: BFB		1100		1000		110	15	316			
Sample ID	LCS-35409	SampT	ype: LC	s	Tes	tCode: El	PA Method	8015D: Gase	oline Rang	е	
Client ID:	LCSS	Batch	ו ID: <b>35</b>	409	F	RunNo: 4	7674				
Prep Date:	12/8/2017	Analysis D	ate: 12	2/11/2017	S	SeqNo: 1	523844	Units: mg/l	۲g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang	ge Organics (GRO)	27	5.0	25.00	0	108	75.9	131			
Surr: BFB		1200		1000		122	15	316			
Sample ID	1712480-004AMS	SampT	уре: <b>М</b>	3	Tes	tCode: El	PA Method	8015D: Gase	oline Rang	е	
Client ID:	Source 1	Batch	ו ID: <b>35</b>	409	F	RunNo: 4	7674				
Prep Date:	12/8/2017	Analysis D	ate: 12	2/11/2017	S	SeqNo: 1	523847	Units: mg/l	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang	ge Organics (GRO)	25	4.6	22.87	0	111	77.8	128			
Surr: BFB		1100		914.9		124	15	316			
Sample ID	1712480-004AMS	<b>)</b> SampT	у́ре: М\$	SD	Tes	tCode: El	PA Method	8015D: Gase	oline Rang	е	
Client ID:	Source 1	Batch	ו ID: <b>35</b>	409	F	RunNo: 4	7674				
Prep Date:	12/8/2017	Analysis D	ate: 12	2/11/2017	S	SeqNo: 1	523848	Units: <b>mg/l</b>	۲g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang	ge Organics (GRO)	26	4.8	24.22	0	109	77.8	128	4.03	20	
Surr: BFB		1200		969.0		128	15	316	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
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

1712480

18-Dec-17

WO#:

Client:SoudeProject:Anne	er, Miller & A Com 202 11	ssociate	28							
Sample ID MB-35409	Samp	Гуре: М	BLK	Tes	tCode: E	PA Method	8021B: Vola	tiles		
Client ID: PBS	Batc	h ID: 35	409	F	RunNo: 4	7674				
Prep Date: 12/8/2017	Analysis [	Date: 12	2/11/2017	S	SeqNo: 1	523870	Units: <b>mg/k</b>	٤g		
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		104	80	120			
Sample ID LCS-35409	Samp	Гуре: <b>LC</b>	s	Tes	tCode: E	PA Method	8021B: Vola	tiles		
Client ID: LCSS	Batc	h ID: 35	409	F	RunNo: 4	7674				
Prep Date: 12/8/2017	Analysis [	Date: 12	2/11/2017	S	SeqNo: 1	523871	Units: <b>mg/H</b>	٤g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.94	0.025	1.000	0	93.9	77.3	128			
Toluene	0.92	0.050	1.000	0	92.3	79.2	125			
Ethylbenzene	0.87	0.050	1.000	0	87.3	80.7	127			
Xylenes, Total	2.6	0.10	3.000	0	85.7	81.6	129			
Surr: 4-Bromofluorobenzene	1.1		1.000		109	80	120			

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

1712480

18-Dec-17

WO#:

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### Received by OCD: 12/7/2022 11:03:15 AM

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ANALYSIS LABORATO	IENTAL DRY	Hall Environm TEL: 505-345 Website: wy	ental Analysis Labo 4901 Hawki Albuquerque, NM 3975 FAX: 505-345 ww.hallenvironmenta	ratory Ins NE 87109 <b>Sar</b> -4107 al.com	nple Log-In Cho	eck List
Client Name: SMA	-CARLSBAD	Work Order Nur	nber: 1712480		RcptNo: 1	· · · · · · · · · · · · · · · · · · ·
Received By: Erir	I Melendrez	12/8/2017 9:35:00	AM	ing	T	
Completed By: Isai	ah Ortiz	12/8/2017 10:39:0	7 AM	TAN	-	
Reviewed By: EN	JM	12/8/17				
Chain of Custody						
1. Custody seals intac	ct on sample bottles?			No 🗍	Not Brogent	
2. Is Chain of Custody	complete?		Yes 🔽			
3. How was the samp	le delivered?		Courier			
<u>Log In</u>						
4. Was an attempt ma	ade to cool the samples	?	Yes 🔽	No 🗌		
5. Were all samples re	eceived at a temperature	e of >0° C to 6.0°C	Yes 🔽	No 🗆	NA 🗌	
6. Sample(s) in prope	r container(s)?		Yes 🔽	No 🗌		
7. Sufficient sample vo	plume for indicated test(	s)?	Yes 🔽	No 🗌		
8. Are samples (excep	t VOA and ONG) prope	rly preserved?	Yes 🔽	No 🗌		
<ol><li>Was preservative ad</li></ol>	dded to bottles?		Yes	No 🗹	NA 🗌	
10.VOA vials have zero	headspace?		Yes 🗋	No 🗆	No VOA Vials 🔽	
1. Were any sample c	ontainers received broke	en?	Yes	No 🔽		
2. Does paperwork ma	tch bottle labeis?		Yes 🔽	No 🗌	# of preserved bottles checked for pH:	
(Note discrepancies	on chain of custody)		_	_	(<2 or >1)	2 unless noted)
A is it clear what analy	iv identified on Chain of	Custody?	Yes 🗹	No 🗌	Adjusted?	
5. Were all holding time	ses were requested?		Yes 🗹		Observed by	
(If no, notify custome	er for authorization.)		res 💌			
<u>pecial Handling (ii</u>	f applicable)					
6. Was client notified of	f all discrepancies with t	his order?	Yes	No 🗋	NA 🗹	
Person Notified	d: [	Date		and a subscription of the		
By Whom:	[	Via:	🗌 eMail 📋 P	hone 🗌 Fax	In Person	
Regarding:						
	ons: ]			······		
Cooler Information	p ℃ Condition Se	al Intact Seal No	Seal Date	Signed By		
1.1	Good Not	Present				

0	Chain-	-of-CL	istody Record	Turn-Around	Time:			8									
Client:	es	44		□ Standard	X Rush	Edaytum		Цſ	Ī		N S		02	MN	ENTA 1014	- ×	~
				Project Name		>			A			0	3	ŠČK	ALOR	5	
Mailing	3 Address	:201	S. Halaqueno	Ann	e CON	1 202#1	4	901 H	w awkins	NE -	Albuc	nmen	Ital.co	m A 87109			
			5	Project #:				Tel. 50	5-345	3975	Fa	6 505	-345-	4107			
Phone	ŧ									A	nalysi	s Rec	quest				
email c	or Fax#:			Project Mana	ager:		(Alu	(0)	-		(C	140		-		_	-
QA/QC	: Package: ndard		Level 4 (Full Validation)	AWS	tin W.	eyant	o seĐ) 208) s			(SMI	os od	bCB <sup>,2</sup>		-			
Accred	ditation			Sampler: U	un me	z	Hd.	ID /	(1	S 02	"ON	2808				()	
I NEI	LAP	D Othe	Pr	On Ice:	N Yes	D No	1 + 1 +	05	.81	28	1-0	3/5		(A	_	110	
	D (Type)			Sample Tem	perature:	a substant and such as	38. 38.	(ei	t po	0 01	siste	sepi	(\	0		) V)	
Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL NO.	TM + XƏT8 TM + XƏT8	80168 H9T	TPH (Metho	168) 2'HA9	APIONA 8 Mé	8081 Pestic	VOV) 80928	im92) 0728		səlddu8 iiA	
12/0w/1	7142	Sal	BG-1'	4ct.		-001					,						1
	56.1	-	BG-2'			en-					2	1		-			-
	1.53		BG-2.5'			- 073					>	1					-
-	11:57		Source 1'			-004	>	>			2						-
	12:60		Source 2'			-005					7			_			_
>	81:01	+	Source 2.5'	->		100-					2						
												_		_		-	
Date:	Time:	Relinquish	ed by:	Received by	_	Date Time 12/1/17 1456	Remark	:s	8		2						
Date:	Time:	Reinguigh	/ .Aq pe	Received by:		Date Time			2	101	+MC	101	(				
eller Lale	020	X	4	CAR	0	12/8/17 0934	10										
	If necessary.	idus Seldmes	mitted to Hall Environmental may be subco	ontracted to other at	coredited laboratorie	ss. This serves as notice of this	possibility.	Any sub	DUN	C Gata	VII be cle	arly nota	ne pate	he analytic	tal report.		

Received by OCD: 12/7/2022 11:03:15 AM



July 05, 2018

Austin Weyant Souder, Miller & Associates 201 S Halagueno Carlsbad, NM 88221 TEL: (575) 689-7040 FAX Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

RE: Anne Com 202H

OrderNo.: 1806E49

Dear Austin Weyant:

Hall Environmental Analysis Laboratory received 16 sample(s) on 6/23/2018 for the analyses presented in the following report.

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

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

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

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

**Analytical Report** 

## Hall Environmental Analysis Laboratory, Inc.

Lab Order 1806E49

Date Reported: 7/5/2018

CLIENT: Souder, Miller & Associates		Cl	ient Sample II	<b>):</b> L1	-4	
Project: Anne Com 202H		(	Collection Date	e: 6/2	21/2018 10:00:00 AM	
Lab ID: 1806E49-001	Matrix: SOIL		Received Date	e: 6/2	23/2018 10:40:00 AM	
Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: CJS
Chloride	170	30	mg/Kg	20	7/1/2018 6:18:48 PM	38987
EPA METHOD 8015M/D: DIESEL RANG	E ORGANICS				Analys	t: TOM
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	6/27/2018 3:15:02 PM	38892
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	6/27/2018 3:15:02 PM	38892
Surr: DNOP	90.8	70-130	%Rec	1	6/27/2018 3:15:02 PM	38892
EPA METHOD 8015D: GASOLINE RAN	GE				Analys	t: NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	6/26/2018 10:04:14 PM	1 38869
Surr: BFB	80.3	15-316	%Rec	1	6/26/2018 10:04:14 PM	1 38869
EPA METHOD 8021B: VOLATILES					Analys	t: NSB
Methyl tert-butyl ether (MTBE)	ND	0.098	mg/Kg	1	6/26/2018 10:04:14 PM	1 38869
Benzene	ND	0.025	mg/Kg	1	6/26/2018 10:04:14 PM	38869
Toluene	ND	0.049	mg/Kg	1	6/26/2018 10:04:14 PM	38869
Ethylbenzene	ND	0.049	mg/Kg	1	6/26/2018 10:04:14 PM	38869
Xylenes, Total	ND	0.098	mg/Kg	1	6/26/2018 10:04:14 PM	1 38869
Surr: 4-Bromofluorobenzene	103	80-120	%Rec	1	6/26/2018 10:04:14 PM	38869

Qualifiers:
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- \* Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н
- 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
- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- Analyte detected below quantitation limits Page 1 of 22 J
- Р Sample pH Not In Range
- RL Reporting Detection Limit
- Sample container temperature is out of limit as specified W

**Analytical Report** 

## Hall Environmental Analysis Laboratory, Inc.

Lab Order 1806E49

Date Reported: 7/5/2018

6/26/2018 10:27:38 PM 38869

6/26/2018 10:27:38 PM 38869

CLIENT:	Souder, Miller & Associates		Cl	ient Sample II	<b>D:</b> L2	-4	
Project:	Anne Com 202H		(	Collection Dat	<b>e:</b> 6/2	21/2018 10:20:00 AM	
Lab ID:	1806E49-002	Matrix: SOIL		<b>Received Dat</b>	<b>e:</b> 6/2	23/2018 10:40:00 AM	
Analyses	5	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA MET	THOD 300.0: ANIONS					Analyst	: CJS
Chloride		78	30	mg/Kg	20	7/1/2018 6:31:13 PM	38987
EPA ME	THOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	: TOM
Diesel R	ange Organics (DRO)	ND	9.6	mg/Kg	1	6/27/2018 3:37:26 PM	38892
Motor Oi	il Range Organics (MRO)	ND	48	mg/Kg	1	6/27/2018 3:37:26 PM	38892
Surr: I	DNOP	84.9	70-130	%Rec	1	6/27/2018 3:37:26 PM	38892
EPA MET	THOD 8015D: GASOLINE RANG	E				Analyst	NSB
Gasoline	e Range Organics (GRO)	ND	5.0	mg/Kg	1	6/26/2018 10:27:38 PM	38869
Surr: I	BFB	80.4	15-316	%Rec	1	6/26/2018 10:27:38 PM	38869
EPA MET	THOD 8021B: VOLATILES					Analyst	: NSB
Methyl te	ert-butyl ether (MTBE)	ND	0.10	mg/Kg	1	6/26/2018 10:27:38 PM	38869
Benzene	9	ND	0.025	mg/Kg	1	6/26/2018 10:27:38 PM	38869
Toluene		ND	0.050	mg/Kg	1	6/26/2018 10:27:38 PM	38869
Ethylben	izene	ND	0.050	mg/Kg	1	6/26/2018 10:27:38 PM	38869

ND

101

0.10

80-120

mg/Kg

%Rec

1

1

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

Xylenes, Total

Surr: 4-Bromofluorobenzene

- Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit ND
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- Analyte detected below quantitation limits Page 2 of 22 J
- Р Sample pH Not In Range
- RL Reporting Detection Limit
- Sample container temperature is out of limit as specified W

\*

Surr: BFB

Benzene

Toluene

Ethylbenzene

Xylenes, Total

**EPA METHOD 8021B: VOLATILES** 

Methyl tert-butyl ether (MTBE)

Surr: 4-Bromofluorobenzene

Analytical Report Lab Order 1806E49

6/27/2018 12:00:57 AM 38869

Analyst: NSB

## Hall Environmental Analysis Laboratory, Inc.

Lab Order **1806E49** Date Reported: **7/5/2018** 

						_	
CLIENT:	Souder, Miller & Associates		Cl	ient Sample II	<b>D:</b> L5	5-1	
Project:	Anne Com 202H		(	Collection Dat	<b>e:</b> 6/2	21/2018 10:50:00 AM	
Lab ID:	1806E49-003	Matrix: SOIL		<b>Received Dat</b>	<b>e:</b> 6/2	23/2018 10:40:00 AM	
Analyses		Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA MET	HOD 300.0: ANIONS					Analyst	: CJS
Chloride		80	30	mg/Kg	20	7/1/2018 6:43:38 PM	38987
EPA MET	HOD 8015M/D: DIESEL RANG	E ORGANICS				Analyst	TOM
Diesel Ra	ange Organics (DRO)	ND	10	mg/Kg	1	6/27/2018 3:59:36 PM	38892
Motor Oil	Range Organics (MRO)	ND	50	mg/Kg	1	6/27/2018 3:59:36 PM	38892
Surr: D	NOP	110	70-130	%Rec	1	6/27/2018 3:59:36 PM	38892
EPA MET	HOD 8015D: GASOLINE RAN	GE				Analyst	: NSB
Gasoline	Range Organics (GRO)	ND	4.9	ma/Ka	1	6/27/2018 12:00:57 AM	38869

77.3

ND

ND

ND

ND

ND

99.6

15-316

0.099

0.025

0.049

0.049

0.099

80-120

%Rec

mg/Kg

mg/Kg

mg/Kg

mg/Kg

mg/Kg

%Rec

1

1

1

1

1

1

1

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits Page 3 of 22
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

					Analytical Report	
		_			Lab Order 1806E49	
Hall Environmental Analysis	s Laboratory, 1	Inc.			Date Reported: 7/5/201	8
CLIENT: Souder, Miller & Associates		Clien	t Sample II	<b>D:</b> L5	-2	
Project: Anne Com 202H		Coll	ection Dat	<b>e:</b> 6/2	21/2018 11:00:00 AM	
Lab ID: 1806E49-004	Matrix: SOIL	Re	ceived Dat	<b>e:</b> 6/2	23/2018 10:40:00 AM	
Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: CJS
Chloride	160	30	mg/Kg	20	7/1/2018 6:56:03 PM	38987

Qualifiers:	
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- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits Page 4 of 22
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Hall Environmental Analysis	s Laboratory, 1	Inc.			Analytical Report Lab Order 1806E49 Date Reported: 7/5/201	.8
CLIENT:Souder, Miller & AssociatesProject:Anne Com 202HLab ID:1806E49-005	Matrix: SOIL	Client Coll Re	t Sample II ection Dat ceived Dat	D: L5 e: 6/2 e: 6/2	5-3 21/2018 11:10:00 AM 23/2018 10:40:00 AM	
Analyses	Result	PQL Qı	al Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS Chloride	1200	30	mg/Kg	20	Analys 7/1/2018 7:08:28 PM	t: CJS 38987

Qualifiers:	*
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- \* Value exceeds Maximum Contaminant Level.D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits Page 5 of 22
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

**Analytical Report** 

Hall	<b>Environmental</b>	Analy	ysis L	aborate	ory, I	nc.
		•			• •	

Lab Order 1806E49

Date Reported: 7/5/2018

CLIENT: Souder, Miller & Associates	S Client Sample ID: L5-4						
Project: Anne Com 202H	Collection Date: 6/21/2018 11:15:00 AM						
Lab ID: 1806E49-006	Matrix: SOIL	Received Date: 6/23/2018 10:40:00 AM					
Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS					Analyst	: CJS	
Chloride	38	30	mg/Kg	20	7/1/2018 7:20:52 PM	38987	
EPA METHOD 8015M/D: DIESEL RANG	<b>SE ORGANICS</b>				Analysi	TOM	
Diesel Range Organics (DRO)	ND	9.5	mg/Kg	1	6/27/2018 4:22:04 PM	38892	
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	6/27/2018 4:22:04 PM	38892	
Surr: DNOP	94.1	70-130	%Rec	1	6/27/2018 4:22:04 PM	38892	
EPA METHOD 8015D: GASOLINE RAN	GE				Analyst	: NSB	
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	6/27/2018 12:24:17 AN	38869	
Surr: BFB	76.6	15-316	%Rec	1	6/27/2018 12:24:17 AN	38869	
EPA METHOD 8021B: VOLATILES					Analyst	: NSB	
Methyl tert-butyl ether (MTBE)	ND	0.096	mg/Kg	1	6/27/2018 12:24:17 AN	38869	
Benzene	ND	0.024	mg/Kg	1	6/27/2018 12:24:17 AN	38869	
Toluene	ND	0.048	mg/Kg	1	6/27/2018 12:24:17 AN	38869	
Ethylbenzene	ND	0.048	mg/Kg	1	6/27/2018 12:24:17 AN	38869	
Xylenes, Total	ND	0.096	mg/Kg	1	6/27/2018 12:24:17 AN	38869	
Surr: 4-Bromofluorobenzene	98.4	80-120	%Rec	1	6/27/2018 12:24:17 AN	38869	

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

- Value exceeds Maximum Contaminant Level. Sample Diluted Due to Matrix D
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S
- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- Analyte detected below quantitation limits Page 6 of 22 J
- Р Sample pH Not In Range
- RL Reporting Detection Limit
- Sample container temperature is out of limit as specified W

\*

**Analytical Report** 

Hall	<b>Environmental</b>	Analy	ysis L	aborate	ory, I	nc.
		•			• •	

Lab Order 1806E49

Date Reported: 7/5/2018

CLIENT: Souder, Miller & Associates	ates Client Sample ID: L6-1						
Project: Anne Com 202H	Collection Date: 6/21/2018 12:00:00 PM						
Lab ID: 1806E49-007	Matrix: SOIL		Received Date	e: 6/2	23/2018 10:40:00 AM		
Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS					Analyst	: CJS	
Chloride	160	30	mg/Kg	20	7/1/2018 7:58:05 PM	38987	
EPA METHOD 8015M/D: DIESEL RANG	E ORGANICS				Analyst	: том	
Diesel Range Organics (DRO)	ND	9.4	mg/Kg	1	6/27/2018 4:44:15 PM	38892	
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	6/27/2018 4:44:15 PM	38892	
Surr: DNOP	92.7	70-130	%Rec	1	6/27/2018 4:44:15 PM	38892	
EPA METHOD 8015D: GASOLINE RAN	GE				Analyst	: NSB	
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	6/27/2018 12:47:30 AM	38869	
Surr: BFB	78.0	15-316	%Rec	1	6/27/2018 12:47:30 AM	38869	
EPA METHOD 8021B: VOLATILES					Analyst	: NSB	
Methyl tert-butyl ether (MTBE)	ND	0.095	mg/Kg	1	6/27/2018 12:47:30 AM	38869	
Benzene	ND	0.024	mg/Kg	1	6/27/2018 12:47:30 AN	38869	
Toluene	ND	0.047	mg/Kg	1	6/27/2018 12:47:30 AN	38869	
Ethylbenzene	ND	0.047	mg/Kg	1	6/27/2018 12:47:30 AN	38869	
Xylenes, Total	ND	0.095	mg/Kg	1	6/27/2018 12:47:30 AM	38869	
Surr: 4-Bromofluorobenzene	99.2	80-120	%Rec	1	6/27/2018 12:47:30 AN	38869	

- \* Value exceeds Maximum Contaminant Level.
- Sample Diluted Due to Matrix D
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S
- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- Analyte detected below quantitation limits Page 7 of 22 J
- Р Sample pH Not In Range
- RL Reporting Detection Limit
- Sample container temperature is out of limit as specified W

					Analytical Report	
		_			Lab Order 1806E49	
Hall Environmental Analysis	s Laboratory, 1	Date Reported: 7/5/2018			.8	
CLIENT: Souder, Miller & Associates		Client	t Sample II	<b>D:</b> L6	5-2	
<b>Project:</b> Anne Com 202H		Coll	ection Dat	<b>e:</b> 6/2	21/2018 12:05:00 PM	
Lab ID: 1806E49-008	Matrix: SOIL	Re	ceived Dat	<b>e:</b> 6/2	23/2018 10:40:00 AM	
Analyses	Result	PQL Qu	ial Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: CJS
Chloride	250	30	mg/Kg	20	7/1/2018 8:10:29 PM	38987

Qualifiers:
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- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits Page 8 of 22
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

					<b>Analytical Report</b>	
					Lab Order 1806E49	
Hall Environmental Analysis	s Laboratory, 1	Date Reported: 7/5/2018			18	
CLIENT: Souder, Miller & Associates		Clien	t Sample II	<b>D:</b> L6	-3	
<b>Project:</b> Anne Com 202H		Coll	ection Dat	<b>e:</b> 6/2	21/2018 12:10:00 PM	
Lab ID: 1806E49-009	Matrix: SOIL	Re	ceived Dat	<b>e:</b> 6/2	23/2018 10:40:00 AM	
Analyses	Result	PQL Qu	ıal Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: CJS
Chloride	180	30	mg/Kg	20	7/1/2018 8:47:42 PM	38987

Qualifiers:	*
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- \* Value exceeds Maximum Contaminant Level.D Sample Diluted Due to Matrix
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits Page 9 of 22
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Surr: 4-Bromofluorobenzene

**Analytical Report** 

## Hall Environmental Analysis Laboratory, Inc.

Lab Order 1806E49

Date Reported: 7/5/2018

CLIENT:Souder, Miller & AssociatesProject:Anne Com 202HLab ID:1806E49-010	tes Client Sample ID: L6-4 Collection Date: 6/21/2018 12:20:00 Matrix: SOIL Received Date: 6/23/2018 10:40:00					
Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: CJS
Chloride	33	30	mg/Kg	20	7/1/2018 9:00:07 PM	38987
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	: том
Diesel Range Organics (DRO)	ND	9.1	mg/Kg	1	6/27/2018 5:06:35 PM	38892
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	6/27/2018 5:06:35 PM	38892
Surr: DNOP	97.6	70-130	%Rec	1	6/27/2018 5:06:35 PM	38892
EPA METHOD 8015D: GASOLINE RANGE	E				Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	6/27/2018 1:10:57 AM	38874
Surr: BFB	79.1	15-316	%Rec	1	6/27/2018 1:10:57 AM	38874
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Methyl tert-butyl ether (MTBE)	ND	0.093	mg/Kg	1	6/27/2018 1:10:57 AM	38874
Benzene	ND	0.023	mg/Kg	1	6/27/2018 1:10:57 AM	38874
Toluene	ND	0.047	mg/Kg	1	6/27/2018 1:10:57 AM	38874
Ethylbenzene	ND	0.047	mg/Kg	1	6/27/2018 1:10:57 AM	38874
Xylenes, Total	ND	0.093	mg/Kg	1	6/27/2018 1:10:57 AM	38874

101

80-120

%Rec

1

6/27/2018 1:10:57 AM

38874

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- Н 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
- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- Analyte detected below quantitation limit Page 10 of 22 J
- Р Sample pH Not In Range
- RL Reporting Detection Limit
- Sample container temperature is out of limit as specified W

				Analytical Report Lab Order 1806E49		
Hall Environmental Analysis	s Laboratory, Inc.			Date Reported: 7/5/2018		
CLIENT: Souder, Miller & Associates		Client	t Sample II	D: BG-P		
Project: Anne Com 202H		Coll	ection Dat	e: 6/21/2018 12:40:00 PM		
Lab ID: 1806E49-011	Matrix: SOIL	Re	ceived Dat	e: 6/23/2018 10:40:00 AM	1	
Analyses	Result	PQL Qu	al Units	DF Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS				Analys	st: MRA	
Chloride	4000	150	mg/Kg	100 7/2/2018 8:12:20 PM	38987	

Qualifiers:	
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- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits Page 11 of 22
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

					Analytical Report		
	- T - h / ]	[			Lab Order 1806E49		
Hall Environmental Analysis	s Laboratory,	Inc.			Date Reported: 7/5/201	8	
CLIENT: Souder, Miller & Associates		Client	t Sample II	D: SV	V1		
Project: Anne Com 202H	Collection Date: 6/21/2018 1:00:00 PM						
Lab ID: 1806E49-012	Matrix: SOIL	Re	ceived Dat	<b>e:</b> 6/2	23/2018 10:40:00 AM		
Analyses	Result	PQL Qu	ial Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS					Analys	t: CJS	
Chloride	ND	30	mg/Kg	20	7/1/2018 9:24:56 PM	38987	

Qualifiers:
Qualifiers:

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits Page 12 of 22
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

					Analytical Report		
	<b>.</b>	r			Lab Order 1806E49		
Hall Environmental Analysis	s Laboratory, I	lnc.			Date Reported: 7/5/201	8	
CLIENT: Souder, Miller & Associates		Client	Sample II	D: SV	W2		
Project: Anne Com 202H	Collection Date: 6/21/2018 1:20:00 PM						
Lab ID: 1806E49-013	Matrix: SOIL	Ree	ceived Dat	<b>e:</b> 6/2	23/2018 10:40:00 AM		
Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS					Analys	t: CJS	
Chloride	ND	30	mg/Kg	20	7/1/2018 9:37:20 PM	38987	

Qualifiers:	
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- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits Page 13 of 22
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

					Analytical Report		
	<b>.</b>	r			Lab Order 1806E49		
LIENT: Souder, Miller & Associates       Client S         roject:       Anne Com 202H       Collect					Date Reported: 7/5/201	8	
CLIENT: Souder, Miller & Associates		Client	t Sample II	D: SV	V3		
Project: Anne Com 202H	Collection Date: 6/21/2018 1:40:00 AM						
Lab ID: 1806E49-014	Matrix: SOIL	Re	ceived Dat	<b>e:</b> 6/2	23/2018 10:40:00 AM		
Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS					Analys	t: CJS	
Chloride	ND	30	mg/Kg	20	7/1/2018 9:49:45 PM	38987	

Qualifiers:
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- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits Page 14 of 22
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Hall Environmental Analysis	s Laboratory, 1	[nc.			Analytical Report Lab Order 1806E49 Date Reported: 7/5/20	18
CLIENT:Souder, Miller & AssociatesProject:Anne Com 202HLab ID:1806E49-015	Matrix: SOIL	Client Coll Re	t Sample II lection Dat ceived Dat	D: SV e: 6/2 e: 6/2	V4 21/2018 2:00:00 PM 23/2018 10:40:00 AM	[
Analyses	Result	PQL Qı	ual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS Chloride	43	30	mg/Kg	20	Analys 7/1/2018 10:02:10 PM	st: CJS 38987

Qualifiers:
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- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits Page 15 of 22
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Hall Environmental Analysis	s Laboratory, 1	Inc.			Analytical Report Lab Order 1806E49 Date Reported: 7/5/20	18
CLIENT: Souder, Miller & AssociatesProject: Anne Com 202HLab ID: 1806E49-016	Matrix: SOIL	Client Coll Re	t Sample II ection Dat ceived Dat	D: SV e: 6/2 e: 6/2	V5 21/2018 2:05:00 PM 23/2018 10:40:00 AM	[
Analyses	Result	PQL Qı	ial Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS Chloride	53	30	mg/Kg	20	Analys 7/1/2018 10:14:35 PM	st: <b>CJS</b> 38987

Qualifiers:
-------------

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits Page 16 of 22
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Client: Project:	Soud	er, Miller & A Com 202H	ssociate	es							
Sample ID	nple ID MB-38987 SampType: mblk TestCode: EPA Method 300.0: Anions										
Client ID:	PBS	Batch	n ID: 38	987	F	RunNo: 5	2408				
Prep Date:	6/29/2018	Analysis D	ate: 7/	1/2018	S	SeqNo: 1	718190	Units: <b>mg/K</b>	ģ		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		ND	1.5								
Sample ID	LCS-38987	SampT	ype: Ics	6	Tes	tCode: El	PA Method	300.0: Anion	s		
Client ID:	LCSS	Batch	n ID: 38	987	F	RunNo: 5	2408				
Prep Date:	6/29/2018	Analysis D	ate: 7/	1/2018	S	SeqNo: 1	718191	Units: <b>mg/K</b>	ģ		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		14	1.5	15.00	0	93.2	90	110			

### **Qualifiers:**

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

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Client: Soud Project: Anne	er, Miller & As Com 202H	ssociate	es												
Sample ID LCS-38892	SampTy	ype: LC	S	TestCode: EPA Method 8015M/D: Diesel Range Organics											
Client ID: LCSS	Batch	ID: 38	892	F	anNo: 5	2270									
Prep Date: 6/26/2018	Analysis Da	ate: 6/	27/2018	S	SeqNo: 1	713083	Units: <b>mg/k</b>	٢g							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual					
Diesel Range Organics (DRO)	48	10	50.00	0	96.2	70	130								
Surr: DNOP	4.1		5.000		81.4	70	130								
Sample ID MB-38892	SampTy	ype: ME	BLK	TestCode: EPA Method 8015M/D: Diesel Range Organics											
Client ID: PBS	Batch	ID: 38	892	F	lunNo: 5	2270									
Prep Date: 6/26/2018	Analysis Da	ate: 6/	27/2018	5	SeqNo: 1	713084	Units: <b>mg/</b>	ίg							
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	9.1		10.00		91.1	70	130								

#### Qualifiers:

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- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

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Project:	Anne Co	m 202H	ssociati	28							
Sample ID	MB-38874	SampT	ype: MI	BLK	Tes	tCode: El	PA Method	8015D: Gaso	oline Rang	e	
Client ID:	PBS	Batch	1D: 38	874	F	RunNo: <b>5</b> :	2243		Ū		
Prep Date:	6/25/2018	Analysis D	ate: 6	/26/2018	S	SeqNo: 17	712080	Units: mg/k	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang Surr: BFB	ge Organics (GRO)	ND 870	5.0	1000		86.8	15	316			
Sample ID	LCS-38874	SampT		s	Tes	tCode: <b>FI</b>	PA Method	8015D: Gase	line Rang	<u>م</u>	
Client ID:		Batch	1D 38	874	F		2243	00100.003			
Prep Date:	6/25/2018	Analysis D	ate: 6	/26/2018	S	SeqNo: 17	712081	Units: mg/ł	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang	ge Organics (GRO)	28	5.0	25.00	0	111	75.9	131			
Surr: BFB		1000		1000		104	15	316			
Sample ID	1806E49-010AMS	SampT	уре: М	S	Tes	tCode: EF	PA Method	8015D: Gaso	line Rang	e	
Client ID:	L6-4	Batch	ID: 38	874	F	tunNo: <b>5</b> 2	2243				
Prep Date:	6/25/2018	Analysis D	ate: 6/	/26/2018	S	SeqNo: 17	712083	Units: mg/k	(g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang	ge Organics (GRO)	28	4.7	23.36	0	121	77.8	128			
Surr: BFB		900		934.6		96.3	15	316			
Sample ID	1806E49-010AMS	D SampT	ype: M	SD	Tes	tCode: EF	PA Method	8015D: Gaso	oline Rang	e	
Client ID:	L6-4	Batch	ı ID: 38	874	F	tunNo: <b>5</b> 2	2243				
Prep Date:											
1	6/25/2018	Analysis D	ate: 6,	/26/2018	S	eqNo: 17	712084	Units: mg/k	٢g		
Analyte	6/25/2018	Analysis D Result	ate: 6,	<b>/26/2018</b> SPK value	SPK Ref Val	SeqNo: 17 %REC	712084 LowLimit	Units: <b>mg/ł</b> HighLimit	<b>(g</b> %RPD	RPDLimit	Qual
Analyte Gasoline Rang	6/25/2018 ge Organics (GRO)	Analysis D Result 27	ate: <b>6</b> , <u>PQL</u> 4.8	/26/2018 SPK value 24.18	SPK Ref Val	SeqNo: 17 %REC 111	712084 LowLimit 77.8	Units: <b>mg/k</b> HighLimit 128	<b>(g</b> <u>%RPD</u> 4.88	RPDLimit 20	Qual
Analyte Gasoline Rang Surr: BFB	6/25/2018 ge Organics (GRO)	Analysis D Result 27 920	eate: <b>6</b> , PQL 4.8	<b>/26/2018</b> SPK value 24.18 967.1	SPK Ref Val 0	SeqNo: 1 %REC 111 95.1	712084 LowLimit 77.8 15	Units: <b>mg/k</b> HighLimit 128 316	<b>(g</b> %RPD 4.88 0	RPDLimit 20 0	Qual
Analyte Gasoline Rang Surr: BFB Sample ID	6/25/2018 ge Organics (GRO) MB-38869	Analysis D Result 27 920 SampT	PQL 4.8 ype: <b>MI</b>	<b>/26/2018</b> SPK value 24.18 967.1 BLK	SPK Ref Val 0 Tes	SeqNo: 1; %REC 111 95.1 tCode: EF	712084 LowLimit 77.8 15 PA Method	Units: <b>mg/k</b> HighLimit 128 316 <b>8015D: Gaso</b>	Kg %RPD 4.88 0 Dline Rang	RPDLimit 20 0	Qual
Analyte Gasoline Rang Surr: BFB Sample ID Client ID:	6/25/2018 ge Organics (GRO) MB-38869 PBS	Analysis D Result 27 920 SampT Batch	PQL 4.8 ype: MI	/26/2018 SPK value 24.18 967.1 BLK 869	SPK Ref Val 0 Tes F	SeqNo: 1 %REC 111 95.1 tCode: EF	712084 LowLimit 77.8 15 PA Method 2243	Units: mg/k HighLimit 128 316 8015D: Gase	<b>5</b> %RPD 4.88 0 Dine Rang	RPDLimit 20 0	Qual
Analyte Gasoline Rang Surr: BFB Sample ID Client ID: Prep Date:	6/25/2018 ge Organics (GRO) MB-38869 PBS 6/25/2018	Analysis D Result 27 920 SampT Batch Analysis D	PQL 4.8 ype: MI D: 38 ate: 6/	/26/2018 SPK value 24.18 967.1 BLK 869 /26/2018	SPK Ref Val 0 Tes F S	SeqNo: 1; <u>%REC</u> 111 95.1 tCode: <b>EF</b> tunNo: <b>5</b> seqNo: 17	712084 LowLimit 77.8 15 PA Method 2243 712088	Units: mg/k HighLimit 128 316 8015D: Gaso Units: mg/k	Kg <u>%RPD</u> 4.88 0 Diline Rang	RPDLimit 20 0	Qual
Analyte Gasoline Rang Surr: BFB Sample ID Client ID: Prep Date: Analyte	6/25/2018 ge Organics (GRO) MB-38869 PBS 6/25/2018	Analysis D Result 27 920 SampT Batch Analysis D Result	PQL PQL 4.8 ype: MI D: 38 ate: 6, PQL	/26/2018 SPK value 24.18 967.1 BLK 869 /26/2018 SPK value	SPK Ref Val 0 Tes F SPK Ref Val	SeqNo: 1 <u>%REC</u> 111 95.1 tCode: EF tunNo: 52 SeqNo: 17 %REC	712084 LowLimit 77.8 15 PA Method 2243 712088 LowLimit	Units: mg/k HighLimit 128 316 8015D: Gaso Units: mg/k HighLimit	Kg 4.88 0 Diline Rang Kg %RPD	RPDLimit 20 0 e RPDLimit	Qual
Analyte Gasoline Rang Surr: BFB Sample ID Client ID: Prep Date: Analyte Gasoline Rang Surr: BFB	6/25/2018 ge Organics (GRO) MB-38869 PBS 6/25/2018 ge Organics (GRO)	Analysis D Result 27 920 SampT Batch Analysis D Result ND 850	PQL 4.8 ype: MI D: 38 ate: 6/ <u>PQL</u> 5.0	/26/2018 SPK value 24.18 967.1 BLK 869 /26/2018 SPK value 1000	SPK Ref Val 0 Tes F SPK Ref Val	SeqNo: 1: <u>%REC</u> 111 95.1 Code: EF RunNo: 52 SeqNo: 17 <u>%REC</u> 85.4	712084 LowLimit 77.8 15 PA Method 2243 712088 LowLimit 15	Units: mg/k HighLimit 128 316 8015D: Gaso Units: mg/k HighLimit 316	Kg 4.88 0 Nine Rang Kg %RPD	RPDLimit 20 0 e RPDLimit	Qual
Analyte Gasoline Rang Surr: BFB Sample ID Client ID: Prep Date: Analyte Gasoline Rang Surr: BFB Sample ID	6/25/2018 ge Organics (GRO) MB-38869 PBS 6/25/2018 ge Organics (GRO) LCS-38869	Analysis D Result 27 920 SampT Batch Analysis D Result ND 850 SampT	PQL 4.8 ype: MI 1D: 38 ate: 6, PQL 5.0 ype: LC	/26/2018 SPK value 24.18 967.1 BLK 869 /26/2018 SPK value 1000	SPK Ref Val 0 Tes SPK Ref Val Tes	SeqNo: 1: <u>%REC</u> 111 95.1 tCode: EF SunNo: 52 SeqNo: 17 <u>%REC</u> 85.4 tCode: EF	712084 LowLimit 77.8 15 PA Method 2243 712088 LowLimit 15 PA Method	Units: mg/k HighLimit 128 316 8015D: Gaso Units: mg/k HighLimit 316 8015D: Gaso	Kg 4.88 0 Dine Rang Kg %RPD	RPDLimit 20 0 e RPDLimit	Qual
Analyte Gasoline Rang Surr: BFB Sample ID Client ID: Prep Date: Analyte Gasoline Rang Surr: BFB Sample ID Client ID:	6/25/2018 ge Organics (GRO) MB-38869 PBS 6/25/2018 ge Organics (GRO) LCS-38869 LCSS	Analysis D Result 27 920 SampT Batch Analysis D Result ND 850 SampT Batch	PQL       4.8       ype: MI       1D: 38       ate: 6/       PQL       5.0       ype: LC	/26/2018 SPK value 24.18 967.1 BLK 869 /26/2018 SPK value 1000 CS 869	SPK Ref Val 0 Tes SPK Ref Val SPK Ref Val Tes	SeqNo: 1: %REC 111 95.1 tCode: EF tunNo: 5; SeqNo: 17 %REC 85.4 tCode: EF tunNo: 5;	712084 LowLimit 77.8 15 PA Method 2243 712088 LowLimit 15 PA Method 2243	Units: mg/k HighLimit 128 316 8015D: Gaso Units: mg/k HighLimit 316 8015D: Gaso	Kg 4.88 0 Vline Rang Kg %RPD	RPDLimit 20 0 e RPDLimit	Qual
Analyte Gasoline Rang Surr: BFB Sample ID Client ID: Prep Date: Analyte Gasoline Rang Surr: BFB Sample ID Client ID: Prep Date:	6/25/2018 je Organics (GRO) MB-38869 PBS 6/25/2018 je Organics (GRO) LCS-38869 LCSS 6/25/2018	Analysis D Result 27 920 SampT Batch Analysis D Result ND 850 SampT Batch Analysis D	PQL 4.8 ype: MI 1D: 38 ate: 6, PQL 5.0 ype: LC 1D: 38 ate: 6,	/26/2018 SPK value 24.18 967.1 BLK 869 /26/2018 SPK value 1000 CS 869 /26/2018	SPK Ref Val 0 Tes SPK Ref Val SPK Ref Val	SeqNo: 1: <u>%REC</u> 111 95.1 tCode: EF tunNo: 52 %REC 85.4 tCode: EF tunNo: 52 SeqNo: 17	712084 LowLimit 77.8 15 PA Method 2243 712088 LowLimit 15 PA Method 2243 712089	Units: mg/k HighLimit 128 316 8015D: Gaso Units: mg/k HighLimit 316 8015D: Gaso Units: mg/k	Kg 4.88 0 Nine Rang Kg %RPD	RPDLimit 20 0 e RPDLimit	Qual

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- J Analyte detected below quantitation limits
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- W Sample container temperature is out of limit as specified

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Client: Project:	Souder, Miller & Associates         Anne Com 202H         D LCS-38869       SampType: LCS         TestCode: EPA Method 8015D: Gasoline Range         LCSS       Batch ID: 38869         RunNo: 52243         i< 6/25/2018       Apalysis Date: 6/26/2018												
Sample ID LCS-38	e ID LCS-38869 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range												
Client ID: LCSS		Batch	ID: 38	869	RunNo: 52243								
Prep Date: 6/25/2	2018	Analysis Da	ate: 6	/26/2018	S	SeqNo: 1	712089	Units: <b>mg/k</b>	٢g				
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Gasoline Range Organic	cs (GRO)	23	5.0	25.00	0	92.6	75.9	131					
Surr: BFB		980		1000		98.4	15	316					

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1806E49

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Client: Souder,	Miller & A	ssociate	es										
Project: Anne C	om 202H												
Sample ID MB-38874	SampT	ype: ME	BLK	Tes	tCode: El	PA Method	8021B: Vola	tiles					
Client ID: PBS	Batch	n ID: 38	874	F	RunNo: 5	2243							
Prep Date: 6/25/2018	Analysis D	ate: 6/	26/2018	Ś	SeqNo: 1	712109	Units: <b>mg/k</b>	(g					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual			
Methyl tert-butyl ether (MTBE)	ND	0.10											
Benzene	ND	0.025											
Toluene	ND	0.050											
Ethylbenzene	ND	0.050											
Xylenes, Total	ND	0.10											
Surr: 4-Bromofluorobenzene	1.0		1.000		100	80	120						
Sample ID LCS-38874	SampT	ype: LC	S	Tes	tCode: El	PA Method	8021B: Vola	tiles					
Client ID: LCSS	Batch	n ID: 38	874	F	RunNo: <b>5</b> 2	2243							
Prep Date: 6/25/2018	Analysis D	ate: 6/	26/2018	S	SeqNo: 1	712110	Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual			
Methyl tert-butyl ether (MTBE)	0.88	0.10	1.000	0	87.9	70.1	121						
Benzene	0.95	0.025	1.000	0	95.4	77.3	128						
Toluene	0.96	0.050	1.000	0	96.1	79.2	125						
Ethylbenzene	0.95	0.050	1.000	0	95.2	80.7	127						
Xylenes, Total	2.9	0.10	3.000	0	96.8	81.6	129						
Surr: 4-Bromofluorobenzene	1.0		1.000		104	80	120						
Sample ID MB-38869	SampT	ype: ME	BLK	Tes	tCode: El	PA Method	8021B: Vola	tiles					
Client ID: PBS	Batch	n ID: 38	869	F	RunNo: 5	2243							
Prep Date: 6/25/2018	Analysis D	ate: 6/	26/2018	S	SeqNo: 1	712122	Units: mg/k	ζg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual			
Methyl tert-butyl ether (MTBE)	ND	0.10											
Benzene	ND	0.025											
Toluene	ND	0.050											
Ethylbenzene	ND	0.050											
Xylenes, I otal	ND	0.10	4 0 0 0		400		100						
Surr: 4-Bromotiuorobenzene	1.1		1.000		108	80	120						
Sample ID LCS-38869	SampT	ype: LC	S	Tes	tCode: El	PA Method	8021B: Vola	tiles					
Client ID: LCSS	Batch	n ID: 38	869	F	RunNo: 5	2243							
Prep Date: 6/25/2018	Analysis D	ate: 6/	26/2018	S	SeqNo: 1	712123	Units: mg/k	(g					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual			
Methyl tert-butyl ether (MTBE)	0.95	0.10	1.000	0	94.9	70.1	121						
Benzene	0.96	0.025	1.000	0	96.2	77.3	128						
Toluene	0.98	0.050	1.000	0	98.3	79.2	125						
Ethylbenzene	0.96	0.050	1.000	0	96.4	80.7	127						

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- B Analyte detected in the associated Method Blank
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Client: Project:	So Ai	uder, Miller & Assoc nne Com 202H	iates								
Sample ID	LCS-38869     SampType:     LCS     TestCode:     EPA Method 8021B:     Volatiles										
Client ID:	LCSS	Batch ID:	38869	R	RunNo: 5						
Prep Date:	6/25/2018	Analysis Date:	6/26/2018	SeqNo: 1712123			Units: <b>mg/k</b>	٢g			
Analyte		Result PC	QL SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Xylenes, Total		3.0 0	.10 3.000	0	98.7	81.6	129				
Surr: 4-Brom	ofluorobenzer	ne 1.0	1.000		105	80	120				

### **Qualifiers:**

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- 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
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- P Sample pH Not In Range
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HALL ENVIRONMENTAL ANALYSIS LABORATORY	Hall Environmen A TEL: 505-345-39 Website: www.	tal Anal 49 Ibuquer 75 FAX hallenvi	vsis Labo 01 Hawki que, NM 505-345 ironmente	ratory ins NE 87109 5-4107 al com	Sample Log-In Check List							
Client Name: SMA-CARLSBAD	Work Order Numb	er: 180	6E49			RcptNo: 1						
Received By: Andy Freeman	6/23/2018 10:40:00	АМ		An	42	-						
Completed By: Isaiah Ortiz	6/25/2018 7:59:31 A	M		IC	22	12						
Reviewed By: ENM	1017519											
MW 6/25/18	012010											
Chain of Custody			_		_							
<ol> <li>Is Chain of Custody complete?</li> </ol>		Yes		No		Not Present						
<ol><li>How was the sample delivered?</li></ol>		Cou	rier									
Log In					_							
3. Was an attempt made to cool the samples?		Yes		No								
4. Were all samples received at a temperature	of >0° C to 6.0°C	Yes		No								
5. Sample(s) in proper container(s)?		Yes		No								
6, Sufficient sample volume for indicated test(s)	2	Yes	~	No								
7. Are samples (except VOA and ONG) properly	preserved?	Yes		No								
8. Was preservative added to bottles?		Yes		No	$\checkmark$	NA 🗌						
9. VOA vials have zero headspace?		Yes		No		No VOA Vials 🗹						
0, Wore any sample containers received broker	17	Yes		No		# of preserved						
1. Does paperwork match bottle labels? (Note discrepancies on chain of custody)		Yes	V	No		for pH:						
2, Are matrices correctly identified on Chain of C	oustody?	Yes	$\checkmark$	No		Adjustant						
3. Is it clear what analyses were requested?		Yes		No		nus						
<ol> <li>Were all holding times able to be met? (If no, notify customer for authorization.)</li> </ol>		Yes		No		Checked by:						
pecial Handling (if applicable)												
5. Was client notified of all discrepancies with th	nis order?	Yes		No		NA 🗹						
Person Notified:	Date:			64 49 	_							
By Whom:	Via:	eM	ail 🗌 f	Phone	Fax	In Person						
Regarding:						Ī						
Client Instructions:					_							
16. Additional remarks:												
7. Cooler Information												
Cooler No Temp °C Condition Se	al Intact   Seal No	Seal D	ate	Signed	By	1						
1 3.8 Good Yes					11 11 11	1						

Released to Imaging: 3/7/2023 9:14:02 AM

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Receivea	l by C	CD:	12/	7/20.	22 1	1:03	3:15	АĄ	N J	0 7	r Bubbles (	A	1	1			1	1					Page	'1 <sub> </sub>
HALL ENVIRONMENTAL		4901 Hawkins NF - Albuniterutia NM 87100	Tel 505-345-3075 Fax 505-346-407	Analysis Request		s,8 'OS' (; )) (;	bCl *Od SWI: (08: (9) (9) \$	10085 10085 10085 11) 11) 11)	++ T ++ T 33.0 1/8. 1/8. 1/8. 1/8. 1/8. 1/8. 1/8. 1/8.		TTEX + MTI B2108 H9 B2108 H9 PH (Metho DB (Metho B018 (8310 Metho B18 (8310 Metho B18 (8310 Metho B210 (Semi- Mov) (Semi- Mov) (Semi- Metho Meth	Н Н Н Н Н Н Н Н Н Н Н Н Н Н	+	×		×	×				smarks:			
Dirin-Around Time:	Project Name:	Ame Con 2024	Project #:		Project Manager:	1 1 1/2 4	Mustin way	Sampler: LM	On Ice: BYes DNo	Sample Temperature: 3,8 °C	Type and # Type + + + + + + + + + + + + + + + + + + +	110- 204	-013	-013	-014	-015	J -016	,			Reverved by Time Re	() 1 - 6/2 18 000	Heceweray: Data I Time	In alla I have have
1-of-Custody Record	Cale of	ss:					Level 4 (Full Validation)		Other		Matrix Sample Request ID	0-99 100 C-D	1 ms 1	5v 2	58 3	5v 4	I Sus	>			Relinquished by	(m)	reingegred by	
Client:	l to In	Mailing Addres	ng: 3	Phone #:	670 email or Fax#:	1:6 QA/QC Package	□ Standard	Accreditation	I NELAP	C EDD (Type)	Date	(2HS 1714	2 1:a	120	8.1	2:00	50200	Ø			Date: Time:	Part han	of a zh of 1910)	- 1 n 1 -



July 25, 2018

Austin Weyant Souder, Miller & Associates 201 S Halagueno Carlsbad, NM 88221 TEL: (575) 689-7040 FAX Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

OrderNo.: 1807706

RE: Anne Com 202H

Dear Austin Weyant:

Hall Environmental Analysis Laboratory received 9 sample(s) on 7/13/2018 for the analyses presented in the following report.

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

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

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

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109
Page 1 of 3

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Hall Enviror	nmental Analysis Lal	ooratory,	Inc.			/ I I	Analytical R Lab Order: 18 Date Reported	eport 07706 : 7/25	5/2018
CLIENT: Project:	Souder, Miller & Associates Anne Com 202H				L	.ab C	)rder:	18077	706
Lab ID:	1807706-001		(	Collecti	on Date	: 7/	11/2018 11:1	8:00 4	AM
Client Sample ID:	: SW8-2				Matrix	: SC	DIL		
Analyses		Result	PQL	Qual	Units	DF	Date Anal	yzed	Batch ID
EPA METHOD 30 Chloride	0.0: ANIONS	ND	30		mg/Kg	20	7/24/2018 2	Ana 2:09:46	alyst: <b>JRR</b> AM 39266
Lab ID:	1807706-002		(	Collecti	on Date	: 7/	11/2018 11:5	56:00 /	AM
Client Sample ID:	: L4-3				Matrix	s sc	DIL		
Analyses		Result	PQL	Qual	Units	DF	Date Anal	yzed	Batch ID
EPA METHOD 30	0.0: ANIONS							An	alyst: <b>CJS</b>
Chloride		ND	30		mg/Kg	20	7/18/2018 1	0:47:02	2 AM 39266
Lab ID:	1807706-003		0	Collecti	on Date	: 7/	11/2018 11:5	58:00 /	AM
Client Sample ID:	<b>:</b> L4-4				Matrix	: SC	DIL		
Analyses		Result	PQL	Qual	Units	DF	Date Anal	yzed	Batch ID
EPA METHOD 30 Chloride	00.0: ANIONS	380	30		mg/Kg	20	7/18/2018 1	Ana 0:59:2 <sup>-</sup>	alyst: <b>CJS</b> 7 AM 39266
Lab ID:	1807706-004		(	Collecti	on Date	: 7/	11/2018 12:2	28:001	PM
Client Sample ID:	: L4-9				Matrix	s: sc	DIL		
Analyses		Result	PQL	Qual	Units	DF	Date Anal	yzed	Batch ID
EPA METHOD 30 Chloride	00.0: ANIONS	170	30		mg/Kg	20	7/18/2018 1	Ana 1:11:5	alyst: <b>CJS</b> 1 AM  39266
Lab ID:	1807706-005		(	Collecti	on Date	: 7/	11/2018 12:4	47:00 ]	PM
Client Sample ID:	: L4-13				Matrix	: SC	DIL		
Analyses		Result	PQL	Qual	Units	DF	Date Anal	yzed	Batch ID
EPA METHOD 30 Chloride	00.0: ANIONS	160	30		mg/Kg	20	7/18/2018 1	Ana 1:49:0	alyst: <b>CJS</b> 4 AM 39266

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method I	Blank
	D	Sample Diluted Due to Matrix	Е	Value above quantitation range	
	Н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	Pa
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range	Iu
	PQL	Practical Quanitative Limit	RL	Reporting Detection Limit	

### Released to Imaging: 3/7/2023 9:14:02 AM

Page 2 of 3

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Hall Environ	mental Analysis Lab	ooratory,	Inc.			l I I	Analytical Repo Lab Order: 18077 Date Reported: 7	ort 106 1/25/2011	8
CLIENT: S Project: A	Souder, Miller & Associates Anne Com 202H				L	.ab C	<b>)rder:</b> 18	07706	
Lab ID:	1807706-006		C	ollecti	on Date	: 7/1	11/2018 2:45:00	) PM	
Client Sample ID:	SW9-1				Matrix	: SC	DIL		
Analyses		Result	PQL	Qual	Units	DF	Date Analyze	d Ba	atch ID
EPA METHOD 300	0.0: ANIONS							Analyst	SRM
Chloride		1600	75		mg/Kg	50	7/19/2018 7:13	:39 PM	39266
Lab ID:	1807706-007		C	ollecti	on Date	: 7/1	11/2018 2:01:00	) PM	
Client Sample ID:	SW5-1				Matrix	: SC	DIL		
Analyses		Result	PQL	Qual	Units	DF	Date Analyze	d Ba	atch ID
EPA METHOD 300	D.0: ANIONS							Analyst	CJS
Chloride		47	30		mg/Kg	20	7/18/2018 12:1	3:53 PM	39266
Lab ID:	1807706-008		C	ollecti	on Date	: 7/]	11/2018 1:24:00	) PM	
Client Sample ID:	SW6-1				Matrix	: SC	DIL		
Analyses		Result	PQL	Qual	Units	DF	Date Analyze	d Ba	atch ID
EPA METHOD 300	D.0: ANIONS							Analyst	CJS
Chloride		200	30		mg/Kg	20	7/18/2018 12:5	1:06 PM	39266
Lab ID:	1807706-009		C	ollecti	on Date	: 7/1	11/2018 3:05:00	) PM	
Client Sample ID:	SW7-2 West				Matrix	: SC	DIL		
Analyses		Result	PQL	Qual	Units	DF	Date Analyze	d Ba	atch ID
EPA METHOD 300	D.0: ANIONS							Analyst	CJS
Chloride		ND	30		mg/Kg	20	7/18/2018 1:03	31 PM	39266

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method I	Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range	
	Н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	Pa
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range	I a
	PQL	Practical Quanitative Limit	RL	Reporting Detection Limit	

### **Released to Imaging: 3/7/2023 9:14:02 AM**

Client: Project:	Soude	er, Miller & Asso Com 202H	ciat	es							
Sample ID	MB-39266	SampType	SampType: mblk TestCode: EPA Method 300.0: Anions								
Client ID:	PBS	Batch ID	: 39	266	F	RunNo:	52830				
Prep Date:	7/18/2018	Analysis Date	: 7	/18/2018	S	SeqNo:	1735435	Units: <b>mg/k</b>	(g		
Analyte		Result F	QL	SPK value	SPK Ref Val	%REC	CowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		ND	1.5								
Sample ID	LCS-39266	SampType	e: Ic	6	Tes	tCode: I	EPA Method	300.0: Anion	s		
Client ID:	LCSS	Batch ID	: 39	266	F	RunNo:	52830				
Prep Date:	7/18/2018	Analysis Date	: 7	/18/2018	5	SeqNo:	1735436	Units: mg/k	íg		
Analyte		Result F	QL	SPK value	SPK Ref Val	%REC	CowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		14	1.5	15.00	0	95.9	90	110			

#### **Qualifiers:**

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

1807706

25-Jul-18

WO#:

Page 3 of 3

	TEL: 505-345-39 Website: www	Albuquerque, NM 8 975 FAX: 505-345- hallenvironmental	77109 <b>San</b> 4107 Leom	nple Log-In C	heck List
Client Name: SMA-CARLSBAD	Work Order Numb	er: 1807706		RcptNo:	1
Received By: Isaiah Ortiz	7/13/2018 8:50:00 A	M	Iar	-	
Completed By: Isaiah Ortiz	7/13/2018 10:19:59	AM	IG	-	
Reviewed By: ENM LB: <u>TO</u> 7/13/18 Chain of Currently	7/13/18		ι.		
1 Is Chain of Custody complete?			No 🗌	Not Present	
2 How was the sample delivered?		Courier			
		obunci			
Log In 3. Was an attempt made to cool the samples'	?	Yes 🖌	No 🗌	NA 🗌	
4. Were all samples received at a temperature	e of ≥0° C to 6.0°C	Yes 🗹	No 🗌		
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) proper	ly preserved?	Yes 🖌	No 🗌		
8. Was preservative added to bottles?		Yes 🗌	No 🗹	NA 🗌	
9. VOA vials have zero headspace?		Yes	No 🗌	No VOA Vials 🗹	
10. Were any sample containers received broke	en?	Yes	No 🗹 🏾	# of preserved	
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)		Yes 🗹	No 🗆	botties checked for pH:	TO >12 unless noted)
12. Are matrices correctly identified on Chain of	Custody?	Yes 🗹	No 🗌	Adjusted?	
13. Is it clear what analyses were requested?		Yes 🗹	No 🚺	7	13/18
14. Were all holding times able to be met? (If no, notify customer for authorization.)		Yes 🗹	No 📙 🏻	Checked by:	
Special Handling (if applicable)					
15. Was client notified of all discrepancies with	this order?	Yes	No 🗌	NA 🗹	
Person Notified:	Date:	 _ · · · _ ·			
By Whom:	Via:	eMail 🗌 P	hone 🗌 Fax	In Person	
Regarding:		******			
Client Instructions:					
16. Additional remarks:					
17. <u>Cooler Information</u>					
Cooler No Temp °C Condition S	eal Intact Seal No	Seal Date	Signed By		
	8				

Page 1 of 1

Received	by OCD: 12/7/2022 11	1:03:15 AM		
		Air Bubbles (Y or N)		ſ
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Project       Project       Project       Project       Project       Project       Sample       Other       Other       Other       Sample       Sample       Sample       Sample       Type a       Type a	andard Kush t Name: MVE COM t#: E2S774 t Manager: t Manager: t Manager: er: Dave Diss er: Dave Diss er: Dave Diss and # Type and # Type	5 oky # 202H 1 No (O(CE)1.3 HEAL No.	EX + MTBE + TMB's (8021)		N W Ki Ni		iois ج ج ج ج د د د د د د د د د د د د د د د		<b>A A A A A A A A A A</b>		
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August 31, 2018

Austin Weyant Souder, Miller & Associates 201 S Halagueno Carlsbad, NM 88221 TEL: (575) 689-7040 FAX Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

RE: Anne Com

OrderNo.: 1808D82

Dear Austin Weyant:

Hall Environmental Analysis Laboratory received 4 sample(s) on 8/22/2018 for the analyses presented in the following report.

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

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

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

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

					Analytical	Report	
		_			Lab Order 18	08D82	
Hall Environmental Analysis	s Laboratory, 1	Inc.			Date Reporte	d: <b>8/31/20</b>	18
CLIENT: Souder, Miller & Associates		Client	Sample I	D:L7	7-1		
Project: Anne Com	Collection Date: 8/16/2018 11:00:00 AM						
Lab ID: 1808D82-001	Matrix: SOIL	Rec	eived Dat	e: 8/2	22/2018 9:05	:00 AM	
Analyses	Result	PQL Qu	al Units	DF	Date Analy	zed	Batch
EPA METHOD 418.1: TPH						Analys	t: CLP
Petroleum Hydrocarbons, TR	ND	20	mg/Kg	1	8/30/2018		40056

Qualifiers:	:

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits Page 1 of 7
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Hall Environmental Analysis	s Laboratory, l	Inc.			Analytical H Lab Order 18 Date Reported	Report 08D82 1: 8/31/20	18
CLIENT: Souder, Miller & Associates Project: Anne Com Lab ID: 1808D82-002	Matrix: SOIL	Client Colle Rec	Sample II ection Dat ceived Dat	D: L7 e: 8/2 e: 8/2	7-2 16/2018 11:20 22/2018 9:05:4	):00 AM 00 AM	
Analyses	Result	PQL Qu	al Units	DF	Date Analyz	zed	Batch
EPA METHOD 418.1: TPH Petroleum Hydrocarbons, TR	ND	20	mg/Kg	1	8/30/2018	Analyst	t: <b>CLP</b> 40056

Qualifiers:	
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- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits Page 2 of 7
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Project: Anne Com

**CLIENT:** Souder, Miller & Associates

Analytical Report
Lab Order 1808D82

### Hall Environmental Analysis Laboratory, Inc.

Date Reported: 8/31/2018 Client Sample ID: L7-10 Collection Date: 8/16/2018 11:30:00 AM

Lab ID: 1808D82-003	Matrix: SOIL		<b>Received Date</b>	e: 8/2	2/2018 9:05:00 AM	
Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 418.1: TPH					Analyst:	CLP
Petroleum Hydrocarbons, TR	ND	20	mg/Kg	1	8/30/2018	40056
EPA METHOD 300.0: ANIONS					Analyst:	MRA
Chloride	ND	30	mg/Kg	20	8/28/2018 5:07:25 PM	40017
EPA METHOD 8021B: VOLATILES					Analyst:	NSB
Benzene	ND	0.024	mg/Kg	1	8/23/2018 5:44:14 PM	39931
Toluene	ND	0.048	mg/Kg	1	8/23/2018 5:44:14 PM	39931
Ethylbenzene	ND	0.048	mg/Kg	1	8/23/2018 5:44:14 PM	39931
Xylenes, Total	ND	0.096	mg/Kg	1	8/23/2018 5:44:14 PM	39931
Surr: 4-Bromofluorobenzene	114	80-120	%Rec	1	8/23/2018 5:44:14 PM	39931

Qualifiers:	2

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits Page 3 of 7
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Hall Environmental Analysis	s Laboratory, 1	Inc.			Analytical Report Lab Order 1808D82 Date Reported: 8/31/20	018
CLIENT: Souder, Miller & Associates Project: Anne Com Lab ID: 1808D82-004	Matrix: SOIL	Client Coll Re	t Sample II ection Dat ceived Dat	D: SV e: 8/1 e: 8/2	V9-1 6/2018 12:10:00 PM 22/2018 9:05:00 AM	
Analyses	Result	PQL Qı	al Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS Chloride	ND	30	mg/Kg	20	Analys 8/28/2018 6:09:27 PM	st: <b>MRA</b> 40037

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits Page 4 of 7
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

## **QC SUMMARY REPORT** Hall Environmental Analysis Laboratory, Inc.

Client: Project:	Souder, N Anne Cor	Iiller & Assoc	viates						
		11							
Sample ID	MB-40017	SampType:	mblk	Test	tCode: EPA Metho	d 300.0: Anions			
Client ID:	PBS	Batch ID:	40017	R	RunNo: <b>53754</b>				
Prep Date:	8/28/2018	Analysis Date:	8/28/2018	S	SeqNo: 1774320	Units: mg/Kg			
Analyte		Result PC	QL SPK value	SPK Ref Val	%REC LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		ND	1.5						
Sample ID	LCS-40017	SampType:	lcs	Test	tCode: EPA Metho	d 300.0: Anions			
Client ID:	LCSS	Batch ID:	40017	R	RunNo: <b>53754</b>				
Prep Date:	8/28/2018	Analysis Date:	8/28/2018	S	GeqNo: 1774322	Units: mg/Kg			
Analyte		Result PC	QL SPK value	SPK Ref Val	%REC LowLimi	HighLimit	%RPD	RPDLimit	Qual
Chloride		14	1.5 15.00	0	96.3 90	110			
Sample ID	MB-40037	SampType: mblk TestCode: EPA Method 300.0: Anions							
Client ID:	PBS	Batch ID:	40037	R	RunNo: <b>53754</b>				
Prep Date:	8/28/2018	Analysis Date:	8/28/2018	S	SeqNo: 1774371	Units: mg/Kg			
Analyte		Result PC	QL SPK value	SPK Ref Val	%REC LowLimit	: HighLimit	%RPD	RPDLimit	Qual
Chloride		ND	1.5						
Sample ID	LCS-40037	SampType:	lcs	Test	tCode: EPA Metho	d 300.0: Anions			
Client ID:	LCSS	Batch ID:	40037	R	RunNo: <b>53754</b>				
Prep Date:	8/28/2018	Analysis Date:	8/28/2018	S	SeqNo: 1774372	Units: <b>mg/Kg</b>			
Analyte		Result PC	QL SPK value	SPK Ref Val	%REC LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		14	1.5 15.00	0	95.5 90	110			

#### **Qualifiers:**

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

1808D82

31-Aug-18

WO#:

Page 5 of 7

# **QC SUMMARY REPORT** Hall Environmental Analysis Laboratory, Inc.

Client: Project:	Souder Anne C	, Miller & A Com	ssociate	es							
Sample ID	MB-40056										
Client ID:	PBS	Batch	n ID: <b>40</b>	056	F	RunNo: 5	3834				
Prep Date:	8/29/2018	Analysis D	)ate: <b>8/</b>	/30/2018	5	SeqNo: 1	776276	Units: <b>mg/ł</b>	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hyd	drocarbons, TR	ND	20								
Sample ID	LCS-40056	CS-40056 SampType: LCS TestCode: EPA Method 418.1: TPH									
Client ID:	LCSS	Batch	n ID: <b>40</b>	056	F	RunNo: 5	3834				
Prep Date:	8/29/2018	Analysis D	)ate: <b>8/</b>	/30/2018	S	SeqNo: 1	776277	Units: mg/k	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hyd	drocarbons, TR	94	20	100.0	0	93.6	84.7	129			
Sample ID	LCSD-40056	SampT	ype: LC	SD	Tes	tCode: El	PA Method	418.1: TPH			
Client ID:	LCSS02	Batch	n ID: <b>40</b>	056	F	RunNo: 5	3834				
Prep Date:	8/29/2018	Analysis D	)ate: <b>8/</b>	/30/2018	5	SeqNo: 1	776278	Units: mg/k	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hyd	drocarbons, TR	95	20	100.0	0	94.9	84.7	129	1.46	20	

#### **Qualifiers:**

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

1808D82

31-Aug-18

WO#:

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## **QC SUMMARY REPORT** Hall Environmental Analysis Laboratory, Inc.

Client: Soude	er, Miller & A	ssociate	es							
Project: Anne	Com									
Sample ID MB-39931	SampT	ype: ME	BLK	Tes	tCode: E	PA Method	8021B: Vola	tiles		
Client ID: PBS	Batch	n ID: 39	931	F	RunNo: 5	3673				
Prep Date: 8/22/2018	Analysis D	Date: 8/	23/2018	S	SeqNo: 1	770004	Units: mg/k	٢g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Senzene	ND	0.025								
oluene	ND	0.050								
thylbenzene	ND	0.050								
ylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.1		1.000		106	80	120			
Sample ID LCS-39931	SampT	ype: LC	s	Tes	tCode: E	PA Method	8021B: Vola	tiles		
Client ID: LCSS	Batch	n ID: 39	931	F	RunNo: 5	3673				
Prep Date: 8/22/2018	Analysis D	0ate: 8/	23/2018	S	SeqNo: 1	770005	Units: <b>mg/ł</b>	٢g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.025	1.000	0	105	77.3	128			
oluene	1.1	0.050	1.000	0	108	79.2	125			
thylbenzene	1.1	0.050	1.000	0	108	80.7	127			
ylenes, Total	3.3	0.10	3.000	0	109	81.6	129			
Surr: 4-Bromofluorobenzene	1.1		1.000		110	80	120			

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

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WO#: **1808D82** *31-Aug-18* 

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HALL ENVIRONMENTAL ANALYSIS LABORATORY	Hall Environmenta All TEL: 505-345-397. Website: www.h	l Analysis Laborat 4901 Hawkins puquerque, NM 871 5 FAX: 505-345-41 allenvironmental c	ory NE 109 <b>Sam</b> 107	iple Log-In C	Check List	ge 00
Client Name: SMA-CARLSBAD	Work Order Numbe	r: 1808D82		RcptNo	: 1	-
Received By: Jazzmine Burkhead	8/22/2018 9:05:00 AN	ſ	fyrr Buethal			
Completed By: Ashley Gallegos Reviewed By: ENM	8/22/2018 2:16:10 PM B/ZZ/18 (	abelec	y by	·	8 22 18	
<u>Chain of Custody</u>						
1. Is Chain of Custody complete?		Yes 🗹	No 🗌	Not Present		
2. How was the sample delivered?		<u>Courier</u>				
Log In 3. Was an attempt made to cool the samples?		Yes 🗹	No 🗌	NA 🗆		
<ol><li>Were all samples received at a temperature of</li></ol>	>0° C to 6.0°C	Yes 🗹	No 🗌	NA 🗆		
5. Sample(s) in proper container(s)?		Yes 🗹	No 🗌			
5. 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. VOA vials have zero headspace?		Yes 🗌	No 🗆	No VOA Vials 🗹		
0. Were any sample containers received broken'	?	Yes 🗌	No 🗹 🗸	# of preserved		
1. Does paperwork match bottle labels? (Note discrepancies on chain of custody)		Yes 🗸	No 🗆	bottles checked for pH:	212 unless noted)	
2. Are matrices correctly identified on Chain of Co	ustody?	Yes 🗹	No 🗆	Adjusted?		
3. Is it clear what analyses were requested?		Yes 🗹	No 🗌	Siccles		
<ol> <li>Were all holding times able to be met? (If no, notify customer for authorization.)</li> </ol>		Yes 🔽	No 📙	Checked by:		
pecial Handling (if applicable)						
5. Was client notified of all discrepancies with the	s order?	Yes 🗌	No 🗌	NA 🗹	7	
Person Notified: By Whom: Regarding: Client Instructions:	Date Via: [	eMail DPh	one 🗌 Fax	☐ In Person		
6. Additional remarks: 7. <u>Cooler Information</u> Cooler No Temp <sup>o</sup> C Condition Sea 1 4.7 Good Yes	Intact Seal No	Seal Date	Signed By		-	

Rtenter by Ocd. 11/1/2	Air Bubbles (Y or N)	, 			
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<b>SI</b> SI iron Jiron Juqu Sis	Anions (FC) NO <sub>3</sub> , NO <sub>2</sub> , PO <sub>4</sub> , SO <sub>4</sub> )		X×		clear!
Alt Alt	RCRA 8 Metals				kii be
MLL W.ha NE 975	RHH's (8310 or 8270 SIMS)				d data
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Hawl	TPH (Method 418.1)	$\times \times$	X		
901 I	TPH 8015B (GRO / DRO / MRO)				Anys S:
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	BLEX + WLBE + TMB,2 (8031)		X		
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District I 1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720 District II

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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:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	164837
	Action Type:
	[C-141] Release Corrective Action (C-141)

#### CONDITIONS

Created By	Condition	Condition Date
amaxwell	None	3/7/2023

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Action 164837