District J 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	
District RP	NRH2003737979
Facility ID	
Application ID	

2020-01-06 1003 Pipeline 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?	45 (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.

eived by OCD: 4/1/2020	6:58:24 AM		Page
Form C-141 Page 2	State of New Mexico Oil Conservation Division	Incident ID District RP Facility ID Application ID	NRH2003737979
Characterization Repo	<u>rt Checklist</u>: Each of the following items must be incl wing impacted area, surface features, subsurface features cable - summarized in pictures and tables)	<i>luded in the report.</i> s, delineation points, and monite	oring wells.
Data table of soil co	ntaminant concentration data		
Determination of wa	ater sources and significant watercourses within ¹ / ₂ -mile on logs (Not applicable)	of the lateral extents of the relea	se
Photographs includi	ng date and GIS information		
1 opographic/Aerial	0		

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

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

Printed Name: Jon E. Fields	Title: Director, Field Environmental Date: 3/31/7020
email: jefields@eprod.com	Telephone: 713-381-6684
OCD Only	
Received by:	Date:

Received by OCD: 4/1/2020 6:58:24 AM

Form C-141

Page 3

State of New Mexico Oil Conservation Division

Incident ID	
District RP	NRH2003737979
Facility ID	
Application ID	

Closure: 2020-01-06 1003 Pipeline

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: Jon E. Fields Title: Director, Field Environmental Signature: Date: email: jefields@eprod.com Telephone: 713-381-6684 **OCD Only Cristina Eads** Received by: Date: 04/01/2020 Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations. Date: 05/05/2020 Closure Approved by: <u>Denied</u> Title: Environmental Specialist Printed Name: Cristina Eads



March 25, 2020

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

SUBJECT: Remediation Closure Report for the 1003 Pipeline Release Incident Number (NRH2003737979), in Eddy County, New Mexico

Dear Mr. Hamlet:

On behalf of Enterprise Field Services, LLC (Enterprise), 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 1003 Pipeline site. The site is in Unit I, Section 26, Township 24S, Range 28E, Eddy County, New Mexico, on privately-owned land. Figure 1 illustrates the vicinity and site location on an USGS 7.5 minute quadrangle map. 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, and SMA recommends no further action.

	Table 1: Release Information	on and Closure	Criteria			
Name	1003 Pipeline	Company	Enterprise Field Services, LLC			
API Number	N/A	Location	32.1864918, -104.0516164			
Incident Number	NRH2003737979					
Estimated Date of Release	1/6/2020	D20 Date Reported to 2/6/2020 NMOCD				
Land Owner	Private	Reported To	NMOCD District 2			
Source of Release	Internal corrosion of pipeline					
Released Volume	Condensate: 1 bbl Natural Gas: 128.56 MCF	Released Material	Natural Gas & Condensate			
Recovered Volume	Condensate: 0 bbl Natural Gas: 0 MCF	Net Release	Condensate: 1 bbl Natural Gas: 128.56 MCF			
NMOCD Closure Criteria	<50 feet to groundwater					
SMA Response Dates	1/29/2020, 2/10/2020, 2/18/2020, 2/21/2020					

#5E28981-BG1

1003 Pipeline Remediation Closure Report March 23, 2020 Page 5 of 84

1.0 Background

On January 6, 2020, a release was discovered at the 1003 Pipeline due to suspected internal corrosion leading to the development of a 1/16-inch diameter hole in a buried 6-inch gas pipeline. To facilitate repairs, 128.08 MCF of gas was released as part of a controlled blowdown. This caused pipeline fluids to collect and pool at the surface and flow for approximately 440 feet down a two-track dirt road. Initial response activities were conducted by NMR Pipeline, and included exposing the pipeline, isolating the leak, and installing a clamp. Approximately 490 cubic yards of contaminated soil were also removed. Figure 1 illustrates the vicinity and site location; Figure 2 illustrates the release location. The C-141 form is included in Appendix A.

2.0 Site Information and Closure Criteria

The 1003 Pipeline is located approximately 2.88 miles southeast of Malaga, New Mexico on privatelyowned land at an elevation of approximately 2,938 feet above mean sea level (amsl).

Based upon New Mexico Office of the State Engineer and United States Geological Survey online water well database (Appendix B), depth to groundwater in the area is estimated to be 45 feet below grade surface (bgs). There are two known water sources within ½-mile of the location. The nearest significant watercourse is an irrigation ditch, located approximately 680 feet to the southwest. 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. However, due to naturally high chloride concentrations (see Table 3a; sample BG4 at 4 feet), the closure criteria for chloride has been adjusted.

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

3.0 Release Characterization and Remediation Activities

On January 29, 2020, SMA personnel arrived on site in response to the release associated with the 1003 Pipeline. SMA 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 (results are converted to PPM using the calibration curve provided Appendix D), for hydrocarbon impacts using a calibrated MiniRAE 3000 photoionization detector (PID) equipped with a 10.6 eV lamp, and for hydrocarbon impacts using a Dexsil® PetroFLAG TPH Analyzer.

A total of nine (9) sample locations (S1-S7 and BG1-BG2) were field-screened for chlorides and total petroleum hydrocarbons (TPH), to depths up to four (4) feet four (4) inches bgs. In addition, three (3) samples (S7, S8, and S9) were collected for laboratory analysis for total chloride using EPA Method 300.0; benzene, toluene, ethylbenzene and total xylenes (BTEX) using EPA Method 8021B; and motor, diesel and gasoline range organics (MRO, DRO, and GRO) by EPA Method 8015D. Three (3) samples (BG1, BG3, and BG4) were also collected for laboratory analysis for total chloride using EPA Method 300.0 in order to establish local shallow background levels of chloride.

As summarized in Table 3a and 3b, results indicated that an area 30 feet by 75 feet by 4.5 feet deep had been impacted in the area surrounding the release point at the pipeline. Pipeline fluids pooled on the

1003 Pipeline Remediation Closure Report March 23, 2020

(Incident #: NRH2003737979) Page 3 of 4

surface and then flowed down a two-track dirt road further impacting an area of approximately 5 feet wide by 440 feet long by 4 feet deep in addition to the area previously described.

On February 10, 2020, SMA conducted confirmation sampling of the 30 feet by 75 feet by 4.5 feet excavation immediately surrounding the release point at the pipeline. SMA collected a total of eight confirmation samples from this area which consisted of five-point composite base samples (BH1-BH3) as well as composite samples of the sidewalls (SW1-SW5). As summarized in Table 3a, samples BH1 and BH2 exceeded the closure criteria for TPH. SMA recommended further excavation in these areas. Background samples BG3 and BG4 were also collected on this date.

On February 18, 2020, SMA conducted confirmation sampling of the 440 feet by 5 feet by 4 feet deep trench that was excavated where pipeline fluids flowed down the dirt road. A total of four composite samples (COMP1-COMP4) were collected, each consisting of 3-point base and sidewall.

On February 21, 2020, SMA returned to the site to re-collect samples BH1 and BH2 after the recommended further excavation was complete (6 feet deep).

A total of 12 confirmation samples were collected for laboratory analysis using the methods listed above. Samples were placed into laboratory supplied glassware, labeled, and maintained on ice until delivery to Hall Environmental Analysis Laboratory in Albuquerque, New Mexico, and Envirotech Analytical Laboratories in Farmington, New Mexico (Appendix C).

Figures 3a, 3b, and 3c show the extent of the excavation and sample locations. All laboratory results are summarized in Table 3a. All field screen results are summarized in Table 3b. 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 Lea Land LLC near Carlsbad, 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 Ashley Maxwell 505 320 9241 or Shawna Chubbuck at 505-325-7535.

Submitted by: SOUDER, MILLER & ASSOCIATES

Ashley Maxwell Project Scientist

Reviewed by:

Shawna Chubbuck Senior Scientist

1003 Pipeline Remediation Closure Report March 23, 2020 (Incident #: NRH2003737979) Page 4 of 4

ATTACHMENTS:

Figures:

Figure 1: Vicinity and Well Head Protection Map Figure 2: Surface Water Radius Map Figure 3a: Site and Final Sample Location Map (Full Extent) Figure 3b: Site and Final Sample Location Map (Zoomed In) Figure 3c: Site and Delineation Sample Map

Tables:

Table 2: NMOCD Closure Criteria JustificationTable 3a: Summary of Laboratory ResultsTable 3b: Summary of Field Screens

Appendices:

Appendix A: Form C141 Appendix B: NMOSE Wells Report Appendix C: Laboratory Analytical Reports Appendix D: EC Meter Calibration Curve Appendix E: Photolog

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FIGURES



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Received by OCD: 4/1

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TABLES

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Site Information (19.15.29.11.A(2, 3, and 4) NMAC)	Source/Notes	
Depth to Groundwater (feet bgs)	45	USGS water well records
Hortizontal Distance From All Water Sources Within 1/2 Mile (ft)	2335 & 2500	USGS & NMOSE
Hortizontal Distance to Nearest Significant Watercourse (ft)	680	Irrigation Ditch- USGS National Map Viewer

Closure Criteria (19.15.	29.12.B(4) an	d 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	< 50' BGS X					10
51' to 100'		10000	2500	1000	50	10
>100'		20000	2500	1000	50	10
Surface Water		if ye	s, then			
<300' from continuously flowing watercourse or other significant						
watercourse?	No					
<200' from lakebed, sinkhole or playa lake?	No					
Water Well or Water Source						
<500 feet from spring or a private, domestic fresh water well used by less than 5 households for domestic or stock watering purposes?	No					
Human and Other Areas	110	600	100		50	10
<300' from an occupied permanent residence, school, hospital.			200			
institution or church?	No					
within incorporated municipal boundaries or within a defined						
municipal fresh water well field?	No					
<100' from wetland?	No					
within area overlying a subsurface mine	No					
within an unstable area?	No					
within a 100-year floodplain?						

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Table 3a: Summary of Laboratory Results

Enterprise Field Services LLC
1003 Pipeline

Sample	Sample	Depth	Action	BTEX	Benzene	GRO	DRO	MRO	Total TPH	CI-
ID	Date	(feet bgs)	(feet bgs) Taken		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
	NMOCD Clo	osure Criteri	а	50	10				100	2600
BG-1	1/29/2020	0.3	In-situ	-	-	-	-	-	-	150
BG-3	2/10/2020	4	In-situ	-	-	-	-	-	-	170
BG-4	2/10/2020	4	In-situ	-	-	-	-	-	-	2600
S7		4.3	In-situ	304.3	9.3	2400	220	<49	2620	2400
S8	1/29/2020	3.5	In-situ	<0.212	<0.024	<4.7	12	<46	12	1700
S9		3.5	In-situ	<0.212	<0.024	<4.7	<9.7	<49	<63.4	840
Closure Samples										
	2/10/2020	4	Excavate	0.24	<0.049	51	96	<50	147	2100
DITI	2/21/2020	6	In-situ	<0.220	<0.024	<4.9	<9.1	<46	60	1300
рцο	2/10/2020	4	Excavate	<0.447	<0.049	17	190	<45	207	280
БΠΖ	2/21/2020	6	In-situ	<0.216	<0.024	<4.8	<8.5	<43	56.3	380
BH3		4	In-situ	<0.224	<0.025	<5.0	<10	<50	<65	1500
SW1		0-4	In-situ	<0.224	<0.025	<5.0	<9.3	<47	<61.3	1300
SW2	2/10/2020	0-4	In-situ	<0.220	<0.024	<4.9	50	<48	50	980
SW3	2/10/2020	0-4	In-situ	<0.224	<0.025	<5.0	68	<49	68	2000
SW4		0-4	In-situ	<0.220	<0.024	<4.9	20	<48	20	420
SW5		0-4	In-situ	<0.225	<0.025	<5.0	<9.7	<49	<63.7	97
COMP 1		0-4	In-situ	<0.1	<0.025	<20.0	<25.0	<50.0	<95	1410
COMP 2	2/18/2020	0-4	In-situ	<0.1	<0.025	<20.0	<25.0	<50.0	<95	1890
COMP 3	2/10/2020	0-4	In-situ	<0.1	<0.025	<20.0	<25.0	<50.0	<95	1250
COMP 4		0-4	In-situ	<0.1	<0.025	<20.0	<25.0	<50.0	<95	1100

"--" = Not Analyzed

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Table 3b:
Summary of Field Screens

Sample ID	Sample Date	Depth (feet bgs)	Collection Time	EC mg/cm	Temp (°C)	CI- PPM	PID Reading	Petroflag Reading				
1	NMOCD Clo	osure Criteri	а			2600						
BG-1		0.3	9:45	0.24	15.5	485	-	-				
BG-2		0.5	12:50	0.47	19.3	653	-	-				
S1	1/29/2020					Under Pipeline	9:50	10.18	16.9	14,771	1069	>9,999
S2		0.5	10:00	2.18	16.9	3,225	1,355	5,662				
S3		1.5	11:45	0.29	18.2	441	25.5	-				
S4		1.5	12:00	0.74	17.7	1,112	39.6	-				
S5		1	12:09	0.8	17.3	1,216	4.9	-				
S6		3	1:25	1.96	19.2	2,808	-	-				
S7		4.3	1:32	3.3	19.1	4,746	-	-				

"--" = Not Analyzed

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APPENDIX A FORM C141

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	NRH2003737979
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party	Enterprise Field Services LLC	OGRID	241602
Contact Name	Alena Miro	Contact Telephone	575-628-6802
Contact email	ammiro@eprod.com	Incident # (assigned by (DCD)
Contact mailing add	ress PO Box 4324, Houston, TX 77210		

Location of Release Source

Latitude N32.186400

(NAD 83 in decimal degrees to 5 decimal places)

Site Name 1003 Pipeline	Site Type Pipeline ROW
Date Release Discovered 1/6/2020	API# (if applicable) N/A

Unit Letter	Section	Township	Range	County
Ι	26	24S	28E	Eddy

Surface Owner: State Federal Tribal X Private : N/A

Nature and Volume of Release

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

Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	Yes No
X Condensate	Volume Released (bbls) 1 bbl	Volume Recovered (bbls) 0 bbls
Natural Gas	Volume Released (Mcf) 128.56 MCF	Volume Recovered (Mcf) 0 MCF
Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release

A pipeline leak estimated at 0.48 MSCF of gas occurred due to suspected internal corrosion and 128.08 MSCF of gas was released due to a controlled pipeline blowdown to facilitate repairs.

State of New Marian				
State of New Mexico	Incident ID			
Oil Conservation Division	District RP			
	Facility ID			
	Application ID			
	State of New Mexico Oil Conservation Division	State of New MexicoIncident IDOil Conservation DivisionDistrict RPFacility IDApplication ID		

Was this a major	If YES, for what reason(s) does the responsible party consider this a major release?
release as defined by	
telease as defined by	
19.15.29.7(A) NMAC?	
If YES, was immediate no	otice given to the OCD? By whom? To whom? When and by what means (phone email ato)?
	show by when the when and by what means (phone, email, etc)?

Initial Response

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

 \square The source of the release has been stopped.

The impacted area has been secured to protect human health and the environment.

Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.

All free liquids and recoverable materials have been removed and managed appropriately.

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

N/A

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: Jon E. Fields	Title: Director, Field Environmental
Signature: Fueld	Date: $\frac{1/8}{2020}$
email: jefields@eprod.com	Telephone:713-381-6684
OCD Only	
Received by: Robert Hamlet	Date: 2/6/2020



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APPENDIX B NMOSE WELLS REPORT

Received by OCD: 4/1/2020.6:58:24.4.4. Mowrrs/ReportProxy?queryData=%7B"report"%3A"waterColumn"%2C%0A"BasinDiv"%3A"true"%2C%0A%BasinDiv"%3A"true"%2C%0A%BasinDiv

intertale Strate	V	/ate	Nev er C	<i>w M</i> Col	exi un	co nn	Offic Av	e of era	the S ge	State De	e Engine pth to	er Wate	r
(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)	(R=POD replaced, O=orpha C=the fil- closed)	has beer ned, e is	1	(quar (quar	ters ar ters ar	e 1=NV e smalle	V 2=NE 3= est to large	=SW 4=S est) (1	E) NAD83 UT	⁻ M in me	eters)	(In feet)	
		POD Sub-		QQ	Q								Water
POD Number	Code	basin	County	64 16	4 See	e Tws	Rng	X		Y	DistanceDept	hWellDepthWa	ter Column
<u>C 03423</u>		CUB	ED	2 4	1 26	24S	28E	588786	356195	52 🌍	766	126	
										Average	e Depth to Water	:	
											Minimum Dept	h:	
											Maximum Dept	n:	
Record Count: 1													
UTMNAD83 Radio	<u>ıs Search (in</u>	meters) <u>:</u>										
Easting (X): 58	9398.441		North	hing (Y):	356	1490.5	73		Radius:	804.67			

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WATER COLUMN/ AVERAGE DEPTH TO WATER



New Mexico Office of the State Engineer **Point of Diversion Summary**

			(quarters are 1=NW 2=NE 3=SW 4=SE)									
			(quarter	rs are sma	allest	to largest	.)	(NAD83 UT	(NAD83 UTM in meters)			
Well Tag	POD) Number	Q64 Q	216 Q4 Se		ec Tws	Rng	Х	Y			
	C 0	3423	2	4 1	26	24S	28E	588786	3561952 🧲			
Driller License: 410			Driller (Compa								
Driller Name: A.M. BRININSTO Drill Start Date: Log File Date: 12/07/1965			TOOL	OL								
			Drill Fin	ish Da	te:	12	2/06/196:	5 Plu	Plug Date:			
			PCW Ro	ev Date	:		Sou	Shallow				
Ритр Тур	e:		Pipe Dis	charge	Size	:		Est	l:			
Casing Siz	æ:	16.00	Depth W	Vell:		126 feet		Dep	Depth Water:			
	Wate	er Bearing Stratif	ications:	То	рŀ	Bottom	Descri	ption				
				115			125 Limeston		one/Dolomite/Chalk			
<u>C</u>		Casing Per	forations:	То	рŀ	Bottom						

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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POINT OF DIVERSION SUMMARY



National Water Information System: Web Interface

USGS Water Resources

USGS Home Contact USGS Search USGS

 Data Category:
 Geographic Area:

 Groundwater
 ▼

 United States
 ▼

GO

Click to hideNews Bulletins

- Introducing The Next Generation of USGS Water Data for the Nation
- Full News 🔊

Groundwater levels for the Nation

Search Results -- 1 sites found

Agency code = usgs site_no list = • 321126104032101

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USGS 321126104032101 24S.28E.26.23133

Eddy County, New Mexico Latitude 32°11'25.8", Longitude 104°03'27.0" NAD83 Land-surface elevation 2,944.90 feet above NGVD29 The depth of the well is 126 feet below land surface. This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

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

Date	Time	? Water- level date- time accuracy	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Water- level accuracy	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water- level approval status

Received by OCD: 4/1/2020 6:58:24 AM

Date	Time	? Water- level date- time accuracy	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Water- level accuracy	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water- level approval status
1978-02-21		D	27.57			2		U		U	А
1983-01-31		D	21.83			2		U		U	А
1987-10-16		D	21.83			2		U		U	А
1988-02-10		D	21.89			2		U		U	А
1992-10-20		D	22.33			2		S		U	А
1998-01-23		D	26.98			2		S		U	А
2003-02-04		D	37.25			2		S	USGS	А	А
2013-01-10	14:50 MST	m	45.02			2		S	USGS	R	А

Explanation

Section	Code	Description				
Water-level date-time accuracy	D	Date is accurate to the Day				
Water-level date-time accuracy	m	Date is accurate to the Minute				
Water-level accuracy 2		Nater level accuracy to nearest hundredth of a foot				
Status		The reported water-level measurement represents a static level				
Method of measurement	S	Steel-tape measurement.				
Method of measurement	U	Unknown method.				
Measuring agency		Not determined				
Measuring agency	USGS	U.S. Geological Survey				
Source of measurement	А	Reported by another government agency (do not use "A" if reported by owner, use "O").				
Source of measurement	R	Reported by person other than the owner, driller, or another government agency.				
Source of measurement	U	Source is unknown.				
Water-level approval status	А	Approved for publication Processing and review completed.				

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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: 2020-01-27 16:08:55 EST 0.22 0.19 nadww02

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Received by QCD: 4/1/2020 6:58:24 AM

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APPENDIX C LABORATORY ANALYTICAL REPORTS



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

February 06, 2020

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

OrderNo.: 2001C19

Dear Ashley Maxwell:

RE: 1003

Hall Environmental Analysis Laboratory received 4 sample(s) on 1/30/2020 for the analyses presented in the following report.

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

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

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

Sincerely,

Andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Hall Environmental Analysis	s Laboratory. Inc	,			Analytical Report Lab Order 2001C19	0
CLIENT: Souder, Miller & Associates Project: 1003	Motrice SOII	Client Sample ID: BG 3-4" Collection Date: 1/29/2020 9:45:00 AM				
Analyses	Result	RL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS Chloride	150	60	mg/Kg	20	Analys 2/5/2020 5:19:25 PM	t: CAS 50242

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

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
- P Sample pH Not In Range
- RL Reporting Limit

Page 1 of 8

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Analytical Report

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2001C19

Date Reported: 2/6/2020

CLIENT:	Souder, Miller & Associates	Client Sample ID: 57-52"								
Project:	1003		(Collect	ion Dat	e: 1/2	29/2020 1:32:00 PM			
Lab ID:	2001C19-002	Matrix: SOIL		Recei	ved Dat	e: 1/3	30/2020 8:50:00 AM			
Analyses		Result	RL	Qual	Units	DF	Date Analyzed	Batch		
EPA MET	HOD 300.0: ANIONS						Analyst	CAS		
Chloride		2400	150		mg/Kg	50	2/5/2020 5:31:46 PM	50242		
EPA MET	HOD 8015M/D: DIESEL RANGE	E ORGANICS					Analyst	CLP		
Diesel Ra	ange Organics (DRO)	220	9.7		mg/Kg	1	2/3/2020 10:09:49 AM	50189		
Motor Oi	Range Organics (MRO)	ND	49		mg/Kg	1	2/3/2020 10:09:49 AM	50189		
Surr: E	DNOP	102	55.1-146		%Rec	1	2/3/2020 10:09:49 AM	50189		
EPA MET	HOD 8015D: GASOLINE RANG	Ε					Analyst	RAA		
Gasoline	Range Organics (GRO)	2400	250		mg/Kg	50	2/5/2020 4:04:43 PM	50185		
Surr: E	3FB	263	66.6-105	S	%Rec	50	2/5/2020 4:04:43 PM	50185		
EPA MET	HOD 8021B: VOLATILES						Analyst	: RAA		
Benzene		9.3	1.2		mg/Kg	50	2/5/2020 4:04:43 PM	50185		
Toluene		67	2.5		mg/Kg	50	2/5/2020 4:04:43 PM	50185		
Ethylben	zene	18	2.5		mg/Kg	50	2/5/2020 4:04:43 PM	50185		
Xylenes,	Total	210	5.0		mg/Kg	50	2/5/2020 4:04:43 PM	50185		
Surr: 4	I-Bromofluorobenzene	103	80-120		%Rec	50	2/5/2020 4:04:43 PM	50185		

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
- S % Recovery outside of range due to dilution or matrix

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 2 of 8

Analytical Report

Hall Environmental Analysis Laboratory, Inc.

Lab Order **2001C19** Date Reported: **2/6/2020**

CLIENT: Souder, Miller & Associates		Cl	ient Sample II): 58	-3ft 6 inches	
Project: 1003		(Collection Dat	e: 1/2	29/2020 1:41:00 PM	
Lab ID: 2001C19-003	Matrix: SOIL		Received Dat	e: 1/3	30/2020 8:50:00 AM	
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	CAS
Chloride	1700	60	mg/Kg	20	2/4/2020 2:57:06 PM	50242
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	: CLP
Diesel Range Organics (DRO)	12	9.2	mg/Kg	1	2/3/2020 10:18:59 AM	50189
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	2/3/2020 10:18:59 AM	50189
Surr: DNOP	98.5	55.1-146	%Rec	1	2/3/2020 10:18:59 AM	50189
EPA METHOD 8015D: GASOLINE RANGE	E				Analyst	RAA
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	2/5/2020 4:28:05 PM	50185
Surr: BFB	81.5	66.6-105	%Rec	1	2/5/2020 4:28:05 PM	50185
EPA METHOD 8021B: VOLATILES					Analyst	RAA
Benzene	ND	0.024	mg/Kg	1	2/5/2020 4:28:05 PM	50185
Toluene	ND	0.047	mg/Kg	1	2/5/2020 4:28:05 PM	50185
Ethylbenzene	ND	0.047	mg/Kg	1	2/5/2020 4:28:05 PM	50185
Xylenes, Total	ND	0.094	mg/Kg	1	2/5/2020 4:28:05 PM	50185
Surr: 4-Bromofluorobenzene	89.3	80-120	%Rec	1	2/5/2020 4:28:05 PM	50185

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Analytical Report Lab Order 2001C19

Date Reported: 2/6/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT:	Souder, Miller & Associates		Cl	ient Sample II): 59	-3ft 6 inches				
Project:	1003	Collection Date: 1/29/2020 1:50:00 PM								
Lab ID:	2001C19-004	Matrix: SOIL		Received Date	e: 1/3	30/2020 8:50:00 AM				
Analyses		Result	RL	Qual Units	DF	Date Analyzed	Batch			
EPA MET	HOD 300.0: ANIONS					Analyst	CAS			
Chloride		840	60	mg/Kg	20	2/4/2020 3:34:10 PM	50242			
EPA MET	HOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	CLP			
Diesel Ra	ange Organics (DRO)	ND	9.7	mg/Kg	1	2/3/2020 10:28:09 AM	50189			
Motor Oi	I Range Organics (MRO)	ND	49	mg/Kg	1	2/3/2020 10:28:09 AM	50189			
Surr: D	DNOP	97.0	55.1-146	%Rec	1	2/3/2020 10:28:09 AM	50189			
EPA MET	HOD 8015D: GASOLINE RANG	E				Analyst	RAA			
Gasoline	Range Organics (GRO)	ND	4.7	mg/Kg	1	2/4/2020 11:10:08 PM	50185			
Surr: E	3FB	81.7	66.6-105	%Rec	1	2/4/2020 11:10:08 PM	50185			
EPA MET	HOD 8021B: VOLATILES					Analyst	RAA			
Benzene		ND	0.024	mg/Kg	1	2/4/2020 11:10:08 PM	50185			
Toluene		ND	0.047	mg/Kg	1	2/4/2020 11:10:08 PM	50185			
Ethylben	zene	ND	0.047	mg/Kg	1	2/4/2020 11:10:08 PM	50185			
Xylenes,	Total	ND	0.094	mg/Kg	1	2/4/2020 11:10:08 PM	50185			
Surr: 4	1-Bromofluorobenzene	91.2	80-120	%Rec	1	2/4/2020 11:10:08 PM	50185			

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 4 of 8

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Client:	Souder,	, Miller & Associates			
Project:	1003				
Sample ID:	MB-50242	SampType: mblk	TestCode: EPA Method	300.0: Anions	
Client ID:	PBS	Batch ID: 50242	RunNo: 66289		
Prep Date:	2/4/2020	Analysis Date: 2/4/2020	SeqNo: 2277916	Units: mg/Kg	
Analyte		Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Chloride		ND 1.5			
Sample ID:	LCS-50242	SampType: Ics	TestCode: EPA Method	300.0: Anions	
Client ID:	LCSS	Batch ID: 50242	RunNo: 66289		
Prep Date:	2/4/2020	Analysis Date: 2/4/2020	SeqNo: 2277917	Units: mg/Kg	
Analyte		Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Chloride		14 1.5 15.00	0 92.9 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 Limit

WO#: 2001C19 06-Feb-20
Client:SoudeProject:1003	r, Miller & A	ssociate	es							
Sample ID: MB-50189	Samp	Гуре: МЕ	BLK	Tes	tCode: EF	PA Method	8015M/D: Di	esel Range	e Organics	
Client ID: PBS	Batc	h ID: 50	189	F	RunNo: 6	6246				
Prep Date: 1/31/2020	Analysis [Date: 2/	3/2020	S	SeqNo: 2	275621	Units: mg/k	٢g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.4		10.00		93.6	55.1	146			
Sample ID: LCS-50189	Samp	Type: LC	s	Tes	tCode: EF	PA Method	8015M/D: Di	esel Range	e Organics	
Client ID: LCSS	Batc	h ID: 50	189	F	RunNo: 6	6246				
Prep Date: 1/31/2020	Analysis [Date: 2/	3/2020	S	SeqNo: 22	275622	Units: mg/k	٢g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	52	10	50.00	0	104	63.9	124			
Surr: DNOP	4.5		5.000		89.9	55.1	146			

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 Limit

Page 6 of 8

WO#:	2001C19
	06-Feb-20

Client:	Souder, 1	Miller & As	sociate	s							
Project:	1003										
Sample ID:	mb-50185	SampTy	/pe: ME	BLK	Test	Code: EF	PA Method	8015D: Gasol	ine Rang	e	
Client ID:	PBS	Batch	ID: 50	185	R	unNo: 66	6278				
Prep Date:	1/31/2020	Analysis Da	ate: 2/	4/2020	S	eqNo: 22	277391	Units: mg/Kg	J		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang	e Organics (GRO)	ND	5.0								
Surr: BFB		790		1000		79.4	66.6	105			
Sample ID:	lcs-50185	SampTy	/pe: LC	S	Test	Code: EF	PA Method	8015D: Gasol	ine Rang	e	
Client ID:	LCSS	Batch	ID: 50	185	R	unNo: 66	6278				
Prep Date:	1/31/2020	Analysis Da	ate: 2/	4/2020	S	eqNo: 22	277393	Units: mg/Kg)		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang	e Organics (GRO)	22	5.0	25.00	0	89.9	80	120			
Surr: BFB		910		1000		91.2	66.6	105			
Sample ID:	mb-50219	SampTy	/pe: ME	BLK	Test	Code: EF	PA Method	8015D: Gasol	ine Rang	e	
Client ID:	PBS	Batch	ID: 50	219	R	unNo: 66	6278				
Prep Date:	2/3/2020	Analysis Da	ate: 2/	5/2020	S	eqNo: 22	277403	Units: %Rec			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB		750		1000		75.4	66.6	105			
Sample ID:	lcs-50219	SampTy	/pe: LC	S	Test	Code: EF	PA Method	8015D: Gasol	ine Rang	e	
Client ID:	LCSS	Batch	ID: 50	219	R	unNo: 66	6278				
Prep Date:	2/3/2020	Analysis Da	ate: 2/	4/2020	S	eqNo: 22	277404	Units: %Rec			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB		850		1000		85.5	66.6	105			

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
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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WO#: 2001C19 06-Feb-20

Client:	Souder,	Miller & A	ssociate	es							
Project:	1003										
Somple ID:	mb 50195	Sama			Тоо	+Codo: E	24 Mothod	9021 Pt Volo	liloo		
	1110-50165	Samp			Tes				liles		
Client ID:	PBS	Batc	n ID: 50	185	F	RunNo: 6	6278				
Prep Date:	1/31/2020	Analysis [Date: 2/	4/2020	S	SeqNo: 22	277424	Units: mg/K	(g		
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-Brom	nofluorobenzene	0.87		1.000		86.5	80	120			
Sample ID:	lcs-50185	Samp	Гуре: LC	s	Tes	tCode: EF	PA Method	8021B: Volat	tiles		
Client ID:	LCSS	Batc	h ID: 50	185	F	RunNo: 6	6278				
Prep Date:	1/31/2020	Analysis [Date: 2/	4/2020	S	SeqNo: 2	277425	Units: mg/K	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		0.90	0.025	1.000	0	90.3	80	120			
Toluene		0.93	0.050	1.000	0	93.3	80	120			
Ethylbenzene		0.95	0.050	1.000	0	95.1	80	120			
Xylenes, Total		2.9	0.10	3.000	0	96.0	80	120			
Surr: 4-Brom	nofluorobenzene	0.90		1.000		89.7	80	120			
Sample ID:	mb-50219	Samp	Гуре: МІ	BLK	Tes	tCode: EF	PA Method	8021B: Volat	tiles		
Client ID:	PBS	Batc	h ID: 50	219	F	RunNo: 6	6278				
Prep Date:	2/3/2020	Analysis [Date: 2/	5/2020	5	SeqNo: 2	277435	Units: %Re	C		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bron	nofluorobenzene	0.85		1.000		85.3	80	120			
Sample ID:	lcs-50219	Samp	Гуре: LC	s	Tes	tCode: EF	PA Method	8021B: Volat	tiles		
Client ID:	LCSS	Batc	h ID: 50	219	F	RunNo: 6	6278				
Prep Date:	2/3/2020	Analysis [Date: 2/	4/2020	S	SeqNo: 2	277436	Units: %Re	C		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Brom	nofluorobenzene	0.92		1.000		91.9	80	120			

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 Limit

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WO#: 2001C19

06-Feb-20

HALL ENVIDONNENTAL	Hall Environme	ntal Analysis Labor	ratory		rage 4				
ANALYSIS LABORATORY	TEL: 505-345-3 Website: www	4901 Hawki Albuquerque, NM d 1975 FAX: 505-345 v.hallenvironmenta	ns NE 87109 San -4107 al.com	Sample Log-In Check List					
Client Name: SMA-CARLSBAD	Work Order Num	ber: 2001C19		RcptNo:	1				
Received By: Isaiah Ortiz	1/30/2020 8:50:00	AM	ILC	X					
Completed By: Isaiah Ortiz Reviewed By: YG 13120	1/31/2020 9:29:51 /	AM	ILC	2-X					
Chain of Custody									
1. Is Chain of Custody sufficiently comple	te?	Yes 🖌	No 🗌	Not Present					
2. How was the sample delivered?		Courier							
Log In 3. Was an attempt made to cool the samp	les?	Yes 🔽	No 🗌						
4. Were all samples received at a tempera	ture of >0° C to 6.0°C	Yes 🔽	No 🗌						
5. Sample(s) in proper container(s)?		Yes 🗹	No 🗌						
6. Sufficient sample volume for indicated to	est(s)?	Yes 🗸	No 🗌						
7. Are samples (except VOA and ONG) pr	operly preserved?	Yes 🗸	No 🗌						
8. Was preservative added to bottles?		Yes	No 🗹	NA 🗌					
9. Received at least 1 vial with headspace	<1/4" for AQ VOA?	Yes	No 🗌	NA 🔽					
10. Were any sample containers received b	roken?	Yes	No 🗹	# of preserved					
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes 🗹	No 🗌	for pH: (<2 or>	12 unless noted)				
12. Are matrices correctly identified on Chai	n of Custody?	Yes 🗸	No 🗌	Adjusted?					
13. Is it clear what analyses were requested	?	Yes 🗸	No 🗌						
14. Were all holding times able to be met? (If no, notify customer for authorization.)		Yes 🗹	No 🗌	Checked by: J	413120				
Special Handling (if applicable)			./						
15. Was client notified of all discrepancies	with this order?	Yes 🗌	No 🗌	NA 🗹					
Person Notified:	Date:	ſ	Anne Andreas Contractory						
By Whom:	Via:	🗌 eMail 🔲 F	Phone 🗌 Fax	In Person					
Regarding:			AND AND AND ADDRESS OF AN ADDRESS	Editoria E Doctory, annual e a Special and Constant					
Client Instructions:									
16. Additional remarks:									
17. <u>Cooler Information</u>	Cool Interat	Cod Dat	0						
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Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

February 20, 2020

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

OrderNo.: 2002516

RE: 1003

Dear Ashley Maxwell:

Hall Environmental Analysis Laboratory received 10 sample(s) on 2/13/2020 for the analyses presented in the following report.

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

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

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

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2002516

Date Reported: 2/20/2020

CLIENT: Souder, Miller & Associates Project: 1003	Client Sample ID: BH1-4' Collection Date: 2/10/2020 10:55:00 AM										
Lab ID: 2002516-001	Matrix: SOIL	3/2020 10:18:00 AM									
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch				
EPA METHOD 300.0: ANIONS						Analyst	CAS				
Chloride	2100	150		mg/Kg	50	2/19/2020 12:49:36 AM	50475				
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS					Analyst	CLP				
Diesel Range Organics (DRO)	96	10		mg/Kg	1	2/17/2020 6:58:12 PM	50453				
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	2/17/2020 6:58:12 PM	50453				
Surr: DNOP	86.2	55.1-146		%Rec	1	2/17/2020 6:58:12 PM	50453				
EPA METHOD 8015D: GASOLINE RANG	E					Analyst	NSB				
Gasoline Range Organics (GRO)	51	9.8		mg/Kg	2	2/17/2020 11:20:23 PM	50435				
Surr: BFB	269	66.6-105	S	%Rec	2	2/17/2020 11:20:23 PM	50435				
EPA METHOD 8021B: VOLATILES						Analyst	NSB				
Benzene	ND	0.049		mg/Kg	2	2/17/2020 11:20:23 PM	50435				
Toluene	ND	0.098		mg/Kg	2	2/17/2020 11:20:23 PM	50435				
Ethylbenzene	ND	0.098		mg/Kg	2	2/17/2020 11:20:23 PM	50435				
Xylenes, Total	0.24	0.20		mg/Kg	2	2/17/2020 11:20:23 PM	50435				
Surr: 4-Bromofluorobenzene	101	80-120		%Rec	2	2/17/2020 11:20:23 PM	50435				

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

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 1 of 15

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2002516

Date Reported: 2/20/2020

CLIENT:	Souder, Miller & Associates	Collection Date: 2/10/2020 11:55:00 AM									
Project: Lab ID:	2002516-002	Matrix: SOIL	·	Recei	ion Dat	e: 2/1 e: 2/1	3/2020 10:18:00 AM				
Analyses		Result	RL	Qual	Units	DF	Date Analyzed	Batch			
EPA MET	HOD 300.0: ANIONS						Analyst	CJS			
Chloride		280	60		mg/Kg	20	2/17/2020 3:46:16 PM	50475			
EPA MET	HOD 8015M/D: DIESEL RANGE	ORGANICS					Analyst	CLP			
Diesel R	ange Organics (DRO)	190	9.1		mg/Kg	1	2/17/2020 7:07:25 PM	50453			
Motor Oi	I Range Organics (MRO)	ND	45		mg/Kg	1	2/17/2020 7:07:25 PM	50453			
Surr: [DNOP	98.9	55.1-146		%Rec	1	2/17/2020 7:07:25 PM	50453			
EPA MET	HOD 8015D: GASOLINE RANG	E					Analyst	NSB			
Gasoline	Range Organics (GRO)	17	9.9		mg/Kg	2	2/18/2020 12:07:33 AM	50435			
Surr: E	3FB	136	66.6-105	S	%Rec	2	2/18/2020 12:07:33 AM	50435			
EPA MET	HOD 8021B: VOLATILES						Analyst	NSB			
Benzene		ND	0.049		mg/Kg	2	2/18/2020 12:07:33 AM	50435			
Toluene		ND	0.099		mg/Kg	2	2/18/2020 12:07:33 AM	50435			
Ethylben	zene	ND	0.099		mg/Kg	2	2/18/2020 12:07:33 AM	50435			
Xylenes,	Total	ND	0.20		mg/Kg	2	2/18/2020 12:07:33 AM	50435			
Surr: 4	4-Bromofluorobenzene	93.2	80-120		%Rec	2	2/18/2020 12:07:33 AM	50435			

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 2 of 15

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2002516

Date Reported: 2/20/2020

CLIENT: Souder, Miller & Associates Project: 1003		Cl	ient Sample II Collection Date): BF	H3-4' 0/2020 12:10:00 PM					
Lab ID: 2002516-003	Matrix: SOIL	Received Date: 2/13/2020 10:18:00 AM								
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch				
EPA METHOD 300.0: ANIONS					Analyst	: CJS				
Chloride	1500	60	mg/Kg	20	2/17/2020 3:58:37 PM	50475				
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	CLP				
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	2/17/2020 7:16:37 PM	50453				
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	2/17/2020 7:16:37 PM	50453				
Surr: DNOP	88.2	55.1-146	%Rec	1	2/17/2020 7:16:37 PM	50453				
EPA METHOD 8015D: GASOLINE RANG	E				Analyst	NSB				
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	2/15/2020 3:12:49 PM	50435				
Surr: BFB	80.7	66.6-105	%Rec	1	2/15/2020 3:12:49 PM	50435				
EPA METHOD 8021B: VOLATILES					Analyst	: NSB				
Benzene	ND	0.025	mg/Kg	1	2/18/2020 12:54:49 AM	50435				
Toluene	ND	0.050	mg/Kg	1	2/18/2020 12:54:49 AM	50435				
Ethylbenzene	ND	0.050	mg/Kg	1	2/18/2020 12:54:49 AM	50435				
Xylenes, Total	ND	0.099	mg/Kg	1	2/18/2020 12:54:49 AM	50435				
Surr: 4-Bromofluorobenzene	90.5	80-120	%Rec	1	2/18/2020 12:54:49 AM	50435				

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
- S % Recovery outside of range due to dilution or matrix

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2002516

Date Reported: 2/20/2020

CLIENT:	Souder, Miller & Associates		Cl	ient Sample II): SV	V1	
Project:	1003		(Collection Dat	e: 2/1	10/2020 12:50:00 PM	
Lab ID:	2002516-004	Matrix: SOIL		Received Date	e: 2/1	3/2020 10:18:00 AM	
Analyses		Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA MET	HOD 300.0: ANIONS					Analyst	: CJS
Chloride		1300	60	mg/Kg	20	2/17/2020 4:10:59 PM	50475
EPA MET	HOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	CLP
Diesel Ra	ange Organics (DRO)	ND	9.3	mg/Kg	1	2/17/2020 7:25:48 PM	50453
Motor Oil	I Range Organics (MRO)	ND	47	mg/Kg	1	2/17/2020 7:25:48 PM	50453
Surr: E	DNOP	67.9	55.1-146	%Rec	1	2/17/2020 7:25:48 PM	50453
EPA MET	HOD 8015D: GASOLINE RANG	E				Analyst	: NSB
Gasoline	Range Organics (GRO)	ND	5.0	mg/Kg	1	2/15/2020 3:36:16 PM	50435
Surr: E	3FB	82.1	66.6-105	%Rec	1	2/15/2020 3:36:16 PM	50435
EPA MET	HOD 8021B: VOLATILES					Analyst	: NSB
Benzene		ND	0.025	mg/Kg	1	2/18/2020 1:18:25 AM	50435
Toluene		ND	0.050	mg/Kg	1	2/18/2020 1:18:25 AM	50435
Ethylben	zene	ND	0.050	mg/Kg	1	2/18/2020 1:18:25 AM	50435
Xylenes,	Total	ND	0.099	mg/Kg	1	2/18/2020 1:18:25 AM	50435
Surr: 4	1-Bromofluorobenzene	89.6	80-120	%Rec	1	2/18/2020 1:18:25 AM	50435

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

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2002516

Date Reported: 2/20/2020

CLIENT:	Souder, Miller & Associates		Cl	ient Sample II): SV	W2	
Project:	1003		(Collection Date	e: 2/1	0/2020 1:40:00 PM	
Lab ID:	2002516-005	Matrix: SOIL		Received Date	e: 2/1	13/2020 10:18:00 AM	
Analyses		Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA MET	HOD 300.0: ANIONS					Analyst	CJS
Chloride		980	60	mg/Kg	20	2/17/2020 4:23:20 PM	50475
EPA MET	HOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	: CLP
Diesel Ra	ange Organics (DRO)	50	9.7	mg/Kg	1	2/17/2020 7:35:01 PM	50453
Motor Oi	I Range Organics (MRO)	ND	48	mg/Kg	1	2/17/2020 7:35:01 PM	50453
Surr: E	DNOP	82.6	55.1-146	%Rec	1	2/17/2020 7:35:01 PM	50453
EPA MET	HOD 8015D: GASOLINE RANG	E				Analyst	: NSB
Gasoline	Range Organics (GRO)	ND	4.9	mg/Kg	1	2/15/2020 3:59:35 PM	50435
Surr: E	3FB	80.7	66.6-105	%Rec	1	2/15/2020 3:59:35 PM	50435
EPA MET	HOD 8021B: VOLATILES					Analyst	: NSB
Benzene		ND	0.024	mg/Kg	1	2/18/2020 1:41:59 AM	50435
Toluene		ND	0.049	mg/Kg	1	2/18/2020 1:41:59 AM	50435
Ethylben	zene	ND	0.049	mg/Kg	1	2/18/2020 1:41:59 AM	50435
Xylenes,	Total	ND	0.098	mg/Kg	1	2/18/2020 1:41:59 AM	50435
Surr: 4	1-Bromofluorobenzene	89.8	80-120	%Rec	1	2/18/2020 1:41:59 AM	50435

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

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2002516

Date Reported: 2/20/2020

CLIENT:	Souder, Miller & Associates	Client Sample ID: SW3										
Project:	1003		(Collection Dat	e: 2/1	10/2020 2:21:00 PM						
Lab ID:	2002516-006	Matrix: SOIL		Received Date	e: 2/1	13/2020 10:18:00 AM						
Analyses		Result	RL	Qual Units	DF	Date Analyzed	Batch					
EPA MET	HOD 300.0: ANIONS					Analyst	: CJS					
Chloride		2000	60	mg/Kg	20	2/17/2020 4:35:41 PM	50475					
EPA MET	HOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	: CLP					
Diesel Ra	ange Organics (DRO)	68	9.8	mg/Kg	1	2/17/2020 7:44:14 PM	50453					
Motor Oi	I Range Organics (MRO)	ND	49	mg/Kg	1	2/17/2020 7:44:14 PM	50453					
Surr: E	DNOP	80.3	55.1-146	%Rec	1	2/17/2020 7:44:14 PM	50453					
EPA MET	HOD 8015D: GASOLINE RANG	E				Analyst	: NSB					
Gasoline	Range Organics (GRO)	ND	5.0	mg/Kg	1	2/15/2020 4:22:52 PM	50435					
Surr: E	3FB	83.2	66.6-105	%Rec	1	2/15/2020 4:22:52 PM	50435					
EPA MET	HOD 8021B: VOLATILES					Analyst	: NSB					
Benzene		ND	0.025	mg/Kg	1	2/18/2020 2:05:32 AM	50435					
Toluene		ND	0.050	mg/Kg	1	2/18/2020 2:05:32 AM	50435					
Ethylben	zene	ND	0.050	mg/Kg	1	2/18/2020 2:05:32 AM	50435					
Xylenes,	Total	ND	0.099	mg/Kg	1	2/18/2020 2:05:32 AM	50435					
Surr: 4	1-Bromofluorobenzene	89.6	80-120	%Rec	1	2/18/2020 2:05:32 AM	50435					

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

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2002516

Date Reported: 2/20/2020

CLIENT:	Souder, Miller & Associates		Cl	ient Sample I	D: SV	W4	
Project:	1003		(Collection Dat	: 2/1	10/2020 2:58:00 PM	
Lab ID:	2002516-007	Matrix: SOIL		Received Dat	e: 2/1	13/2020 10:18:00 AM	
Analyses		Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA MET	HOD 300.0: ANIONS					Analyst	CJS
Chloride		420	60	mg/Kg	20	2/17/2020 11:35:32 PM	50487
EPA MET	HOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	CLP
Diesel Ra	ange Organics (DRO)	20	9.6	mg/Kg	1	2/17/2020 7:53:25 PM	50453
Motor Oil	Range Organics (MRO)	ND	48	mg/Kg	1	2/17/2020 7:53:25 PM	50453
Surr: D	DNOP	75.3	55.1-146	%Rec	1	2/17/2020 7:53:25 PM	50453
EPA MET	HOD 8015D: GASOLINE RANG	E				Analyst	NSB
Gasoline	Range Organics (GRO)	ND	4.9	mg/Kg	1	2/15/2020 4:46:08 PM	50435
Surr: E	3FB	88.0	66.6-105	%Rec	1	2/15/2020 4:46:08 PM	50435
EPA MET	HOD 8021B: VOLATILES					Analyst	: NSB
Benzene		ND	0.024	mg/Kg	1	2/18/2020 2:29:07 AM	50435
Toluene		ND	0.049	mg/Kg	1	2/18/2020 2:29:07 AM	50435
Ethylben	zene	ND	0.049	mg/Kg	1	2/18/2020 2:29:07 AM	50435
Xylenes,	Total	ND	0.098	mg/Kg	1	2/18/2020 2:29:07 AM	50435
Surr: 4	I-Bromofluorobenzene	89.7	80-120	%Rec	1	2/18/2020 2:29:07 AM	50435

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

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2002516

Date Reported: 2/20/2020

CLIENT:	Souder, Miller & Associates		Cl	ient Sample II	D: SV	V5	
Project:	1003		(Collection Dat	e: 2/1	10/2020 3:30:00 PM	
Lab ID:	2002516-008	Matrix: SOIL		Received Date	e: 2/1	13/2020 10:18:00 AM	
Analyses		Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA MET	HOD 300.0: ANIONS					Analyst	: CJS
Chloride		97	60	mg/Kg	20	2/17/2020 11:47:53 PM	50487
EPA MET	HOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	CLP
Diesel Ra	ange Organics (DRO)	ND	9.7	mg/Kg	1	2/17/2020 8:02:35 PM	50453
Motor Oil	Range Organics (MRO)	ND	49	mg/Kg	1	2/17/2020 8:02:35 PM	50453
Surr: D	NOP	88.4	55.1-146	%Rec	1	2/17/2020 8:02:35 PM	50453
EPA MET	HOD 8015D: GASOLINE RANG	E				Analyst	: NSB
Gasoline	Range Organics (GRO)	ND	5.0	mg/Kg	1	2/15/2020 5:09:22 PM	50435
Surr: E	3FB	82.8	66.6-105	%Rec	1	2/15/2020 5:09:22 PM	50435
EPA MET	HOD 8021B: VOLATILES					Analyst	: NSB
Benzene		ND	0.025	mg/Kg	1	2/18/2020 2:52:38 AM	50435
Toluene		ND	0.050	mg/Kg	1	2/18/2020 2:52:38 AM	50435
Ethylben	zene	ND	0.050	mg/Kg	1	2/18/2020 2:52:38 AM	50435
Xylenes,	Total	ND	0.10	mg/Kg	1	2/18/2020 2:52:38 AM	50435
Surr: 4	-Bromofluorobenzene	90.5	80-120	%Rec	1	2/18/2020 2:52:38 AM	50435

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Hall Environmental Analysis	s Laboratory, In	с.			Analytical Report Lab Order 2002516 Date Reported: 2/20/2	020
CLIENT: Souder, Miller & Associates		Client	Sample I	D: B(G3	
Project: 1003		Coll	ection Dat	te: 2/	10/2020 4:13:00 PM	
Lab ID: 2002516-009	Matrix: SOIL	Re	ceived Dat	te: 2/1	13/2020 10:18:00 AM	[
Analyses	Result	RL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	st: CJS
Chloride	170	60	mg/Kg	20	2/13/2020 8:05:05 PM	50442

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

Qualifiers:

.

- * Value exceeds Maximum Contaminant Level.D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Hall Environmental Analysis	s Laboratory, In	i C.			Analytical Report Lab Order 2002516 Date Reported: 2/20/2	020
CLIENT: Souder, Miller & Associates		Clien	t Sample I	D: B(G4	
Project: 1003		Coll	lection Dat	te: 2/	10/2020 4:44:00 PM	
Lab ID: 2002516-010	Matrix: SOIL	Re	ceived Dat	e: 2/1	13/2020 10:18:00 AM	[
Analyses	Result	RL Qu	ual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	st: CJS
Chloride	2600	150	mg/Kg	50	2/17/2020 5:25:04 PM	50442

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

Qualifiers:

.

- * Value exceeds Maximum Contaminant Level.D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Client:	Souder, I	Miller & Associates	
Project:	1003		
Sample ID:	MB-50442	SampType: mblk TestCode: EPA Method 300.0: Anions	
Client ID:	PBS	Batch ID: 50442 RunNo: 66549	
Prep Date:	2/13/2020	Analysis Date: 2/13/2020 SeqNo: 2287113 Units: mg/Kg	
Analyte		Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qua	al
Chloride		ND 1.5	
Sample ID:	LCS-50442	SampType: Ics TestCode: EPA Method 300.0: Anions	
Client ID:	LCSS	Batch ID: 50442 RunNo: 66549	
Prep Date:	2/13/2020	Analysis Date: 2/13/2020 SeqNo: 2287114 Units: mg/Kg	
Analyte		Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qua	al
Chloride		14 1.5 15.00 0 94.0 90 110	
Sample ID:	MB-50475	SampType: mblk TestCode: EPA Method 300.0: Anions	
Client ID:	PBS	Batch ID: 50475 RunNo: 66591	
Prep Date:	2/17/2020	Analysis Date: 2/17/2020 SeqNo: 2288912 Units: mg/Kg	
Analyte		Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qua	al
Chloride		ND 1.5	
Sample ID:	LCS-50475	SampType: Ics TestCode: EPA Method 300.0: Anions	
Client ID:	LCSS	Batch ID: 50475 RunNo: 66591	
Prep Date:	2/17/2020	Analysis Date: 2/17/2020 SeqNo: 2288913 Units: mg/Kg	
Analyte		Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qua	al
Chloride		14 1.5 15.00 0 92.3 90 110	
Sample ID:	MB-50487	SampType: mblk TestCode: EPA Method 300.0: Anions	
Client ID:	PBS	Batch ID: 50487 RunNo: 66591	
Prep Date:	2/17/2020	Analysis Date: 2/17/2020 SeqNo: 2288952 Units: mg/Kg	
Analyte		Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qua	al
Chloride		ND 1.5	
Sample ID:	LCS-50487	SampType: Ics TestCode: EPA Method 300.0: Anions	
Client ID:	LCSS	Batch ID: 50487 RunNo: 66591	
Prep Date:	2/17/2020	Analysis Date: 2/17/2020 SeqNo: 2288953 Units: mg/Kg	
Apoluto			
Analyte		Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qua	ai

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
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- PQL Practical Quanitative Limit
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- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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20-Feb-20

WO#:

Client:	Souder, I	Miller & Associa	ites							
Project:	1003									
Sample ID:	MB-50455	SampType:	MBLK	Test	tCode: EF	PA Method	8015M/D: Dies	sel Range	e Organics	
Client ID:	PBS	Batch ID: 5	50455	R	unNo: 66	6580				
Prep Date:	2/14/2020	Analysis Date:	2/17/2020	S	eqNo: 22	288366	Units: %Rec			
Analyte		Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP)	9.1	10.00		91.1	55.1	146			
Sample ID:	LCS-50455	SampType: L	_CS	Test	tCode: EF	PA Method	8015M/D: Die:	sel Range	e Organics	
Client ID:	LCSS	Batch ID: 5	50455	R	lunNo: 66	6580				
Prep Date:	2/14/2020	Analysis Date:	2/17/2020	S	eqNo: 22	288367	Units: %Rec			
Analyte		Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP)	4.4	5.000		89.0	55.1	146			
Sample ID:	MB-50453	SampType: N	MBLK	Test	tCode: EF	PA Method	8015M/D: Dies	sel Range	e Organics	
Client ID:	PBS	Batch ID: 5	50453	R	lunNo: 66	6580				
Prep Date:	2/14/2020	Analysis Date:	2/17/2020	S	eqNo: 22	288580	Units: mg/Kg	I		
Analyte		Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range	Organics (DRO)	ND 1	0							
Motor Oil Rang	ge Organics (MRO)	ND 5	0		05.7	FF 4	146			
Suff: DNOP		0.0	10.00		65.7	55. I	140			
Sample ID:	LCS-50453	SampType: L	_CS	Test	tCode: EF	PA Method	8015M/D: Dies	sel Range	e Organics	
Client ID:	LCSS	Batch ID: 5	50453	R	lunNo: 66	6580				
Prep Date:	2/14/2020	Analysis Date:	2/17/2020	S	SeqNo: 22	288581	Units: mg/Kg	I		
Analyte		Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range	Organics (DRO)	50 1	0 50.00	0	100	70	130			
Surr: DNOP		4.1	5.000		82.4	55.1	146			
Sample ID:	MB-50496	SampType: N	MBLK	Test	tCode: EF	PA Method	8015M/D: Dies	sel Range	e Organics	
Client ID:	PBS	Batch ID: 5	50496	R	lunNo: 66	605				
Prep Date:	2/18/2020	Analysis Date:	2/18/2020	S	eqNo: 22	289090	Units: %Rec			
Analyte		Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP)	8.9	10.00		88.8	55.1	146			
Sample ID:	LCS-50496	SampType: L	CS	Test	tCode: EF	PA Method	8015M/D: Dies	sel Range	e Organics	
Client ID:	LCSS	Batch ID: 5	50496	R	unNo: 66	6605				
Prep Date:	2/18/2020	Analysis Date:	2/18/2020	S	eqNo: 22	289092	Units: %Rec			
Analyte		Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP)	4.2	5.000		84.7	55.1	146			

Qualifiers:

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- J Analyte detected below quantitation limits
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- RL Reporting Limit

WO#: 2002516 20-Feb-20

Client:	Souder,	Miller & Assoc	iates							
Project:	1003									
Sample ID:	MB-50486	SampType:	MBLK	Test	Code: EP	A Method	8015M/D: Die	esel Range	e Organics	
Client ID:	PBS	Batch ID:	50486	R	unNo: 66	605				
Prep Date:	2/17/2020	Analysis Date:	2/18/2020	S	eqNo: 22	89790	Units: %Red	;		
Analyte		Result PC	QL SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP		11	10.00		111	55.1	146			
Sample ID:	LCS-50486	SampType:	LCS	Test	Code: EP	A Method	8015M/D: Die	esel Range	e Organics	
Client ID:	LCSS	Batch ID:	50486	R	unNo: 66	605				
Prep Date:	2/17/2020	Analysis Date:	2/18/2020	S	eqNo: 22	89791	Units: %Red	;		
Analyte		Result PC	QL SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP		5.1	5.000		102	55.1	146			

Qualifiers:

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WO#: 2002516 20-Feb-20

Client:	Souder,	Miller & Asso	ciate	S							
Project:	1003										
Sample ID:	MB-50443	SampType	e: MB	LK	Test	tCode: E	PA Method	8015D: Gasc	line Rang	9	
Client ID:	PBS	Batch ID	: 504	43	R	unNo: (6571				
Prep Date:	2/13/2020	Analysis Date	e: 2/ 1	14/2020	S	eqNo:	2287764	Units: %Re	C		
Analyte		Result F	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB		780		1000		78.3	66.6	105			
Sample ID:	LCS-50443	SampType	e: LC	s	Test	tCode: E	PA Method	8015D: Gasc	line Rang	9	
Client ID:	LCSS	Batch ID	: 504	43	R	unNo: (6571				
Prep Date:	2/13/2020	Analysis Date	e: 2/ 1	14/2020	S	eqNo:	2287765	Units: %Re	c		
Analyte		Result P	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB		890		1000		88.9	66.6	105			
		000					0010				
Sample ID:	mb-50435	SampType	e: MB	LK	Test	tCode: E	PA Method	8015D: Gasc	oline Rang	9	
Sample ID: Client ID:	mb-50435 PBS	SampType Batch ID	e: MB	ISEK	Test R	tCode: E	PA Method	8015D: Gasc	oline Rang	e	
Sample ID: Client ID: Prep Date:	mb-50435 PBS 2/13/2020	SampType Batch ID Analysis Date	e: MB 0: 504 e: 2/1	ISLK 135 15/2020	Test R S	tCode: E RunNo: (SeqNo: 2	EPA Method 66571 2287867	8015D: Gasc Units: mg/k	oline Rang	e	
Sample ID: Client ID: Prep Date: Analyte	mb-50435 PBS 2/13/2020	SampType Batch ID Analysis Date Result F	e: MB 2: 504 2: 2/1 PQL	SLK 135 15/2020 SPK value	Test R S SPK Ref Val	tCode: E RunNo: (SeqNo: 2 %REC	EPA Method 66571 2287867 LowLimit	8015D: Gasc Units: mg/K HighLimit	oline Rang Kg %RPD	e RPDLimit	Qual
Sample ID: Client ID: Prep Date: Analyte Gasoline Rang	mb-50435 PBS 2/13/2020 ge Organics (GRO)	SampType Batch ID Analysis Date Result F ND	e: MB b: 504 e: 2/1 PQL 5.0	SLK 135 15/2020 SPK value	Test R S SPK Ref Val	tCode: E RunNo: (BeqNo: 2 %REC	EPA Method 66571 2287867 LowLimit	8015D: Gasc Units: mg/K HighLimit	oline Rang Kg %RPD	e RPDLimit	Qual
Sample ID: Client ID: Prep Date: Analyte Gasoline Rang Surr: BFB	mb-50435 PBS 2/13/2020 ge Organics (GRO)	SampType Batch ID Analysis Date Result F ND 790	e: MB e: 504 e: 2/1 PQL 5.0	SLK 135 15/2020 SPK value 1000	Test R S SPK Ref Val	Code: E RunNo: (SeqNo: 2 %REC 78.7	EPA Method 66571 2287867 LowLimit 66.6	8015D: Gasc Units: mg/k HighLimit 105	vline Rang Kg %RPD	e RPDLimit	Qual
Sample ID: Client ID: Prep Date: Analyte Gasoline Rang Surr: BFB Sample ID:	mb-50435 PBS 2/13/2020 ge Organics (GRO) Ics-50435	SampType Batch ID Analysis Date Result F ND 790 SampType	e: MB b: 504 e: 2/1 PQL 5.0 e: LC:	SLK 135 15/2020 SPK value 1000	Test R SPK Ref Val Test	tCode: E RunNo: (SeqNo: 2 %REC 78.7	EPA Method 56571 2287867 LowLimit 66.6	8015D: Gasc Units: mg/k HighLimit 105 8015D: Gasc	Sine Rang Gg %RPD Sine Rang	e RPDLimit	Qual
Sample ID: Client ID: Prep Date: Analyte Gasoline Rang Surr: BFB Sample ID: Client ID:	mb-50435 PBS 2/13/2020 ge Organics (GRO) Ics-50435 LCSS	SampType Batch ID Analysis Date Result F ND 790 SampType Batch ID	e: MB 2: 504 2: 2/1 2: 2/1 2: 2/1 2: 2/1 2: 504	SLK 135 15/2020 SPK value 1000 S 135	Test R S SPK Ref Val Test R	tCode: E tunNo: (SeqNo: 2 %REC 78.7 tCode: E tunNo: (EPA Method 66571 2287867 LowLimit 66.6 EPA Method 66571	8015D: Gasc Units: mg/k HighLimit 105 8015D: Gasc	Viine Rang Kg %RPD Viine Rang	e RPDLimit	Qual
Sample ID: Client ID: Prep Date: Analyte Gasoline Rang Surr: BFB Sample ID: Client ID: Prep Date:	mb-50435 PBS 2/13/2020 Je Organics (GRO) Ics-50435 LCSS 2/13/2020	SampType Batch ID Analysis Date Result F ND 790 SampType Batch ID Analysis Date	e: MB b: 504 c: 2/1 PQL 5.0 c: 5.0 c: 504 c: 504 c: 2/1	SPK value 1000 SPK value 1000 S 135 15/2020	Test R SPK Ref Val Test R S	tCode: E tunNo: (SeqNo: 2 %REC 78.7 78.7 tCode: E tunNo: (SeqNo: 2	EPA Method 56571 2287867 LowLimit 66.6 EPA Method 56571 2287868	8015D: Gasc Units: mg/k HighLimit 105 8015D: Gasc Units: mg/k	Viine Rang (g %RPD Viine Rang	e RPDLimit	Qual
Sample ID: Client ID: Prep Date: Analyte Gasoline Rang Surr: BFB Sample ID: Client ID: Prep Date: Analyte	mb-50435 PBS 2/13/2020 e Organics (GRO) Ics-50435 LCSS 2/13/2020	SampType Batch ID Analysis Date Result F ND 790 SampType Batch ID Analysis Date Result F	e: MB c: 504 c: 2/1 PQL 5.0 c: 504 c: 504 c: 2/1 PQL	SPK value 1000 SBK value 1000 S 135 15/2020 SPK value	Test R SPK Ref Val Test R SPK Ref Val	tCode: E tunNo: (SeqNo: 2 %REC 78.7 tCode: E tunNo: (SeqNo: 2 %REC	EPA Method 56571 2287867 LowLimit 66.6 EPA Method 56571 2287868 LowLimit	8015D: Gasc Units: mg/k HighLimit 105 8015D: Gasc Units: mg/k HighLimit	vline Rang % %RPD vline Rang % %RPD	e RPDLimit e RPDLimit	Qual
Sample ID: Client ID: Prep Date: Analyte Gasoline Rang Surr: BFB Sample ID: Client ID: Prep Date: Analyte Gasoline Rang	mb-50435 PBS 2/13/2020 ge Organics (GRO) Ics-50435 LCSS 2/13/2020	SampType Batch ID Analysis Date Result F ND 790 SampType Batch ID Analysis Date Result F 21	e: MB e: 504 e: 2/1 PQL 5.0 e: LC: e: 504 e: 2/1 PQL 5.0	SPK value 1000 SPK value 1000 S 135 15/2020 SPK value 25.00	Test R SPK Ref Val Test R SPK Ref Val 0	tCode: E tunNo: (GeqNo: 2 %REC 78.7 tCode: E tunNo: (GeqNo: 2 %REC 82.4	EPA Method 56571 2287867 LowLimit 66.6 EPA Method 56571 2287868 LowLimit 80	8015D: Gasc Units: mg/k HighLimit 105 8015D: Gasc Units: mg/k HighLimit 120	Viine Rang (g %RPD Viine Rang (g %RPD	e RPDLimit e RPDLimit	Qual

Qualifiers:

- Value exceeds Maximum Contaminant Level. *
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- 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
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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- WO#: 2002516 20-Feb-20

Client:	Souder, l	Miller & Asso	ociate	S							
Project:	1003										
-											
Sample ID:	MB-50443	SampTyp	e: ME	BLK	Test	Code: EF	PA Method	8021B: Volati	les		
Client ID:	PBS	Batch II	D: 50 4	143	R	unNo: 66	6571				
Prep Date:	2/13/2020	Analysis Date	e: 2/ ′	14/2020	S	eqNo: 22	287894	Units: %Rec			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Brom	nofluorobenzene	0.87		1.000		87.2	80	120			
Sample ID:	LCS-50443	SampTyp	e: LC	S	Test	Code: EF	PA Method	8021B: Volati	les		
Client ID:	LCSS	Batch II): 50 4	143	R	unNo: 66	6571				
Prep Date:	2/13/2020	Analysis Date	e: 2/ '	14/2020	S	eqNo: 22	287895	Units: %Rec			
Analyte		Result		SPK value	SPK Ref Val	%REC	l owl imit	Highl imit	%RPD	RPDI imit	Qual
Surr: 4-Brom	nofluorobenzene	0.89	QL	1.000		89.2	80	120	701 CI D		Quui
O a sura la JD	1 50/05	0 T			T						
Sample ID:	mb-50435	Sampiyp	e: ME	SLK	Iesi	Code: EF	A Method	8021B: Volati	les		
Client ID:	PBS	Batch II	D: 50 4	435	R	unNo: 66	6590				
Prep Date:	2/13/2020	Analysis Date	e: 2/ ′	17/2020	S	eqNo: 22	288662	Units: mg/K	g		
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								
Xvlenes. Total		ND	0.10								
Surr: 4-Bron	nofluorobenzene	0.94		1.000		93.8	80	120			
Sample ID:	lcs-50435	SampTyp	e: LC	S	Test	Code: EF	PA Method	8021B: Volati	les		
Client ID:	LCSS	Batch II	D: 50 4	435	R	unNo: 66	6590				
Prep Date:	2/13/2020	Analysis Date	e: 2/ ′	17/2020	S	eqNo: 22	288663	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		0.90 0	0.025	1.000	0	89.8	80	120			
Toluene		0.92 (0.050	1.000	0	91.6	80	120			
Ethylbenzene		0.94 (0.050	1.000	0	93.6	80	120			
Xylenes, Total		2.9	0.10	3.000	0	95.1	80	120			
Surr: 4-Brom	nofluorobenzene	0.90		1.000		89.9	80	120			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
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- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
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2002516

WO#:

Hall E HALL Hall E HALL	nvironmental Analysis L 4901 Ha Albuquerque, N 505-345-3975 FAX: 505- bsile: www.hallenvironm	aboratory wkins NE VM 87109 Sa 345-4107 ental.com	mple Log-In Cł	neck List
Client Name: SMA-CARLSBAD Work Or	der Number: 2002516		RcptNo:	1
Received By: Leah Bace $2/13/2020$ Completed By: Isaiah Ortiz $2/13/2020$ Reviewed By: $VG 2/13/20$	10:18:00 AM 10:42:13 AM	Lad Ba I- (a D-L	
Chain of Custody				
 Is Chain of Custody sufficiently complete? How was the sample delivered? 	Yes ⊻ <u>Courier</u>	No 🗌	Not Present	
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	5.0°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) properly preserved?	Yes 🗹	No 🗌		
8. Was preservative added to bottles?	Yes	No 🗹	NA 🗌	
9. Received at least 1 vial with headspace <1/4" for AQ VOA	? Yes 🗌	No 🗌	NA 🔽	
10. Were any sample containers received broken?	Yes	No 🗹	# of preserved	_/
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes 🗹	No 🗌	for pH: (<2 or >1	12 unless note
12. Are matrices correctly identified on Chain of Custody?	Yes 🗹	No 🗌	Adjusted?	
13. Is it clear what analyses were requested?	Yes 🔽	No 🗌		
14. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes 🗹	No 🗌	Checked by: Je	- 213
Special Handling (if applicable)		/	-	
15. Was client notified of all discrepancies with this order?	Yes	No 🗌	NA 🗹	
Person Notified: By Whom: Regarding: Client Instructions:	Date: Via: eMail [] Phone [] Fax	in Person	
16 Additional remarks:			- ALTER - ALTER	

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17. Cooler Information

Cooler No Temp ºC	Condition	Seal Intact	Seal No	Seal Date	Signed By
1 4.2	Good	Not Present			

Receive		OCL): 4/1	/202	0 6:	58:2	24 AN	<u>M</u>																	P	Page .	59 oj
	DRATO		87109	107																							
Ĩ		- moo	MN	45-4	est	(tu	əsq	-/,îu	Prese) w.	101ile	otal Cc		╀													
Ĺ		lenta	endre	505-3	sequ				(A	07.	-ime	S) 072	8	╈													
		ironn	ndne	ax {	sis F						(AO	V) 092	8	╈													
L		llenv	dIA -	ملاما	Vnaly	*O	S '⊅C)Ч (^z ON	^{'8} 01	r, N) Ľ' B	<u> </u>	< >	\times	×	\star	\checkmark	⊁	\checkmark	Y	\star	\times				
-		ed.w	ч Ц	975	٩					slet	эМ	8 AAD	Ы														
			kins	45-3			SMI	IS0.	728 10	01	68 \	id sHA	4														
-		•	Hawl	605-3					(1.40	g po	oqtə	M) 80	<u> </u>														
			901	۲el. 5			s,80) - D - D - D	808/	səbi	Stic	991 Pe	8	\bot											 ks:		
			4					30		89,		PH:80	<u>+ ~</u>	<u> </u> 2	~	X	\star	×	⊁	X	*			_	 emar		
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h									I North		0+0.2=4.2°C	HEAL No.	<u>2000000000000000000000000000000000000</u>		287	-003	-004	- 000	900-	50-	\$00- 108	-00g-	-010		Pate Time	Date Time	2/13/20 10/18
I Time: 5 d/a	d 🗆 Rush_	le:				ager:		Norwell	001897		O(inoludingi GE): → 4] -(Preservative	i yjje										→		() X ^(a)	Via:	L JUNAV
Turn-Around	∭ Standar	Project Nam	1003	Project #:		Project Man		Ashley	Sampler: ک On loe:	# of Coolers	Cooler Tem	Container	1 ype allu #	301 1-3)		Received by	Received by:	And
Chain-of-Custody Record	t SMA		ing Address: 201 S. Halaqueno St.	- Isbad NIM 88220	1e#: (5755) 689 - 8801	il or Fax#: <u>ash/ey - maxwell @sov-lecaniter-con</u>	to Package:	tandard	editation:	DD (Type)					11:55 8:42 - 4'	12:10 BH3-41	15:50 S.W.T	1:40 SW2	2:21 Sw3	Z-58 SwH	3:30 SW5	H-13 BG3	4:44 L BG4		Time: Relinquished by	Time: Relinquished by/	MPHM (MM 10 Com
	Clien		Maili	Car	Phon	emai	QAQ	5 X				; 	02/10	_						•			-)		$\overline{\overline{A}}_{jz}^{\prime}$	Bate:	111

Received by OCD: 4/1/2020 6:58:24 AM



Analytical Report

Report Summary

Client: Enterprise

Samples Received: 2/20/2020 Job Number: 19026-0001 Work Order: P002053 Project Name/Location: 1003

Report Reviewed By:

Walter Hinkimm

Date: 2/21/20

Walter Hinchman, Laboratory Director



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Enterprise	Project Name:	1003	
3008 E Greene St.	Project Number:	19026-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Ashely Maxwell	02/21/20 12:22

Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
Comp-1	P002053-01A	Soil	02/18/20	02/20/20	Glass Jar, 4 oz.
Comp-2	P002053-02A	Soil	02/18/20	02/20/20	Glass Jar, 4 oz.
Comp-3	P002053-03A	Soil	02/18/20	02/20/20	Glass Jar, 4 oz.
Comp-4	P002053-04A	Soil	02/18/20	02/20/20	Glass Jar, 4 oz.

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Enterprise	Proje	ct Name:	1003						
3008 E Greene St.	Proje	ct Number:	1902	6-0001				Reported:	
Carlsbad NM, 88220	Proje	ct Manager:	Ashe	ely Maxwell				02/21/20 12:2	22
		(Comp-1						
		P0020	53-01 (Se	olid)					
		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.0250	mg/kg	1	2008025	02/20/20	02/21/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2008025	02/20/20	02/21/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2008025	02/20/20	02/21/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2008025	02/20/20	02/21/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2008025	02/20/20	02/21/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2008025	02/20/20	02/21/20	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		105 %	50	-150	2008025	02/20/20	02/21/20	EPA 8021B	
Nonhalogenated Organics by 8015 - DRO/OR	0								
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	2008023	02/20/20	02/20/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2008023	02/20/20	02/20/20	EPA 8015D	
Surrogate: n-Nonane		94.6 %	50	-200	2008023	02/20/20	02/20/20	EPA 8015D	
Nonhalogenated Organics by 8015 - GRO									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2008025	02/20/20	02/21/20	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.4 %	50	-150	2008025	02/20/20	02/21/20	EPA 8015D	
Anions by 300.0/9056A									
Chloride	1410	20.0	mg/kg	1	2008024	02/20/20	02/21/20	EPA 300.0/9056A	

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B	envi	iro	te	ch
	Ana	lytical	Labo	ratory

Enterprise	Projec	t Name:	1003						
3008 E Greene St.	Projec	t Number:	1902	6-0001				Reported:	
Carlsbad NM, 88220	Projec	t Manager:	Ashe	ely Maxwell				02/21/20 12:2	22
		(Comp-2						
		P0020	53-02 (Se	olid)					
		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.0250	mg/kg	1	2008025	02/20/20	02/21/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2008025	02/20/20	02/21/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2008025	02/20/20	02/21/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2008025	02/20/20	02/21/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2008025	02/20/20	02/21/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2008025	02/20/20	02/21/20	EPA 8021B	
- Surrogate: 4-Bromochlorobenzene-PID		104 %	50	-150	2008025	02/20/20	02/21/20	EPA 8021B	
Nonhalogenated Organics by 8015 - DRO/OR	0								
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	2008023	02/20/20	02/20/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2008023	02/20/20	02/20/20	EPA 8015D	
Surrogate: n-Nonane		92.7 %	50	-200	2008023	02/20/20	02/20/20	EPA 8015D	
Nonhalogenated Organics by 8015 - GRO									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2008025	02/20/20	02/21/20	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.4 %	50	-150	2008025	02/20/20	02/21/20	EPA 8015D	
Anions by 300.0/9056A									
Chloride	1890	20.0	mg/kg	1	2008024	02/20/20	02/21/20	EPA 300.0/9056A	

5796 Highway 64, Farmington, NM 87401



Enterprise	Project	t Name:	1003	5						
3008 E Greene St.	Project	t Number:	1902	26-0001				Reported:		
Carlsbad NM, 88220	Project	t Manager:	Ashe	ely Maxwell				02/21/20 12:	2:22	
		(Comp-3							
		P0020	53-03 (S	olid)						
		Reporting								
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes	
Volatile Organics by EPA 8021										
Benzene	ND	0.0250	mg/kg	1	2008025	02/20/20	02/21/20	EPA 8021B		
Toluene	ND	0.0250	mg/kg	1	2008025	02/20/20	02/21/20	EPA 8021B		
Ethylbenzene	ND	0.0250	mg/kg	1	2008025	02/20/20	02/21/20	EPA 8021B		
p,m-Xylene	ND	0.0500	mg/kg	1	2008025	02/20/20	02/21/20	EPA 8021B		
o-Xylene	ND	0.0250	mg/kg	1	2008025	02/20/20	02/21/20	EPA 8021B		
Total Xylenes	ND	0.0250	mg/kg	1	2008025	02/20/20	02/21/20	EPA 8021B		
- Surrogate: 4-Bromochlorobenzene-PID		104 %	50	-150	2008025	02/20/20	02/21/20	EPA 8021B		
Nonhalogenated Organics by 8015 - DRO/	ORO									
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	2008023	02/20/20	02/20/20	EPA 8015D		
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2008023	02/20/20	02/20/20	EPA 8015D		
Surrogate: n-Nonane		86.8 %	50	-200	2008023	02/20/20	02/20/20	EPA 8015D		
Nonhalogenated Organics by 8015 - GRO										
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2008025	02/20/20	02/21/20	EPA 8015D		
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.8 %	50	-150	2008025	02/20/20	02/21/20	EPA 8015D		
Anions by 300.0/9056A										
Chloride	1250	20.0	mg/kg	1	2008024	02/20/20	02/21/20	EPA 300.0/9056A		

5796 Highway 64, Farmington, NM 87401



Enterprise	Projec	t Name:	1003						
3008 E Greene St.	Projec	t Number:	1902	6-0001				Reported:	
Carlsbad NM, 88220	Projec	t Manager:	Ashe	ely Maxwell				02/21/20 12:	22
		(Comp-4						
		P0020	53-04 (Se	olid)					
		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.0250	mg/kg	1	2008025	02/20/20	02/21/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2008025	02/20/20	02/21/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2008025	02/20/20	02/21/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2008025	02/20/20	02/21/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2008025	02/20/20	02/21/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2008025	02/20/20	02/21/20	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		104 %	50	-150	2008025	02/20/20	02/21/20	EPA 8021B	
Nonhalogenated Organics by 8015 - DRO/OI	RO								
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	2008023	02/20/20	02/20/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2008023	02/20/20	02/20/20	EPA 8015D	
Surrogate: n-Nonane		94.6 %	50	-200	2008023	02/20/20	02/20/20	EPA 8015D	
Nonhalogenated Organics by 8015 - GRO									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2008025	02/20/20	02/21/20	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.2 %	50	-150	2008025	02/20/20	02/21/20	EPA 8015D	
Anions by 300.0/9056A									
Chloride	1100	20.0	mg/kg	1	2008024	02/20/20	02/21/20	EPA 300.0/9056A	

5796 Highway 64, Farmington, NM 87401

Enterprise	Project Name:	1003	
3008 E Greene St.	Project Number:	19026-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Ashely Maxwell	02/21/20 12:22

Volatile Organics by EPA 8021 - Quality Control

Envirotech Analytical Laboratory

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 2008025 - Purge and Trap EPA 5030A										
Blank (2008025-BLK1)				Prepared: (02/20/20 0 A	Analyzed: 0	2/20/20 1			
Benzene	ND	0.0250	mg/kg							
Toluene	ND	0.0250	"							
Ethylbenzene	ND	0.0250	"							
p,m-Xylene	ND	0.0500	"							
o-Xylene	ND	0.0250	"							
Total Xylenes	ND	0.0250	"							
Surrogate: 4-Bromochlorobenzene-PID	8.27		"	8.00		103	50-150			
LCS (2008025-BS1)				Prepared: (02/20/20 0 A	Analyzed: 0	02/20/20 1			
Benzene	5.09	0.0250	mg/kg	5.00		102	70-130			
Toluene	5.09	0.0250	"	5.00		102	70-130			
Ethylbenzene	5.08	0.0250	"	5.00		102	70-130			
n m-Xylene	10.1	0.0500	"	10.0		101	70-130			
o-Xylene	5.07	0.0250	"	5.00		101	70-130			
Total Xylenes	15.2	0.0250	"	15.0		101	0-200			
Surrogate: 4-Bromochlorobenzene-PID	8.33		"	8.00		104	50-150			
Matrix Spike (2008025-MS1)	Sou	rce: P002045-	01	Prepared: 02/20/20 0 Analyzed: 02/20/20 1						
Benzene	4 86	0.0250	mø/kø	5.00	ND	97.2	54 3-133			
Toluene	4.85	0.0250	"	5.00	ND	97.1	61 4-130			
Ethylbenzene	4 84	0.0250		5.00	ND	96.8	61 4-133			
n m-Xylene	9.65	0.0500		10.0	ND	96.5	63 3-131			
o-Yvlene	1.83	0.0250		5.00	ND	96.7	63 3-131			
Total Yulenes	14.5	0.0250		15.0	ND	96.6	0-200			
Surrogate: 4-Bromochlorobenzene-PID	8.41	0.0250	"	8.00	ND	105	50-150			
Matrix Spile Dup (2009025 MSD1)	Sam	Mag. D002045	01	Droporod: (12/20/20 0 /	Analyzad. O	2/20/20 1			
маних эрике Dup (2008025-мізлі)	50u	rce: r002045-	01	Prepared: (JZI 20/20 0 F	anaryzed: 0	12/20/20 1			
Benzene	4.76	0.0250	mg/kg	5.00	ND	95.2	54.3-133	2.00	20	
Toluene	4.73	0.0250	"	5.00	ND	94.7	61.4-130	2.49	20	
Ethylbenzene	4.72	0.0250	"	5.00	ND	94.5	61.4-133	2.43	20	
p,m-Xylene	9.42	0.0500	"	10.0	ND	94.2	63.3-131	2.45	20	
o-Xylene	4.72	0.0250	"	5.00	ND	94.4	63.3-131	2.38	20	
Total Xylenes	14.1	0.0250	"	15.0	ND	94.3	0-200	2.42	200	
Surrogate: 4-Bromochlorobenzene-PID	8.53		"	8.00		107	50-150			

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Enterprise	Project Name:	1003	
3008 E Greene St.	Project Number:	19026-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Ashely Maxwell	02/21/20 12:22

Nonhalogenated Organics by 8015 - DRO/ORO - Quality Control

Envirotech Analytical Laboratory Reporting Spike Source %REC RPD Analyte Result Limit Units Level Result %REC Limits RPD Limit Notes Batch 2008023 - DRO Extraction EPA 3570 Blank (2008023-BLK1) Prepared: 02/20/20 0 Analyzed: 02/20/20 1 Diesel Range Organics (C10-C28) ND 25.0 mg/kg Oil Range Organics (C28-C40) ND 50.0 47.7 .. 95.4 50-200 Surrogate: n-Nonane 50.0 LCS (2008023-BS1) Prepared: 02/20/20 0 Analyzed: 02/21/20 0 Diesel Range Organics (C10-C28) 422 25.0 500 84.4 38-132 mg/kg Surrogate: n-Nonane 47.1 " 50.0 94.2 50-200 Matrix Spike (2008023-MS1) Source: P002053-01 Prepared: 02/20/20 0 Analyzed: 02/20/20 1 Diesel Range Organics (C10-C28) 469 25.0 500 ND 93.7 38-132 mg/kg 49.2 Surrogate: n-Nonane 50.0 98.4 50-200 Prepared: 02/20/20 0 Analyzed: 02/20/20 1 Matrix Spike Dup (2008023-MSD1) Source: P002053-01 Diesel Range Organics (C10-C28) 445 25.0 500 ND 88.9 38-132 5.22 20 mg/kg Surrogate: n-Nonane 46.9 " 50.0 93.8 50-200

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Enterprise	Project Name:	1003	
3008 E Greene St.	Project Number:	19026-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Ashely Maxwell	02/21/20 12:22

Nonhalogenated Organics by 8015 - GRO - Quality Control

	Envirotech Analytical Laboratory									
Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2008025 - Purge and Trap EPA 5030A										
Blank (2008025-BLK1)		Prepared: 02/20/20 0 Analyzed: 02/20/20 1								
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.55		"	8.00		94.4	50-150			
LCS (2008025-BS2)				Prepared: ()2/20/20 0 A	Analyzed: 0	2/20/20 1			
Gasoline Range Organics (C6-C10)	46.1	20.0	mg/kg	50.0		92.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.55		"	8.00		94.4	50-150			
Matrix Spike (2008025-MS2)	Sour	ce: P002045-	01	Prepared: 02/20/20 0 Analyzed: 02/20/20 1						
Gasoline Range Organics (C6-C10)	47.8	20.0	mg/kg	50.0	ND	95.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.62		"	8.00		95.2	50-150			
Matrix Spike Dup (2008025-MSD2)	Sour	ce: P002045-	01	Prepared: 02/20/20 0 Analyzed: 02/20/20 2			2/20/20 2			
Gasoline Range Organics (C6-C10)	47.5	20.0	mg/kg	50.0	ND	95.1	70-130	0.559	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.54		"	8.00		94.3	50-150			

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Enterprise	Project Name:	1003	
3008 E Greene St.	Project Number:	19026-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Ashely Maxwell	02/21/20 12:22

Anions by 300.0/9056A - Quality Control

Envirotech Analytical Laboratory

			v		v					
Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2008024 - Anion Extraction EPA 3	00.0/9056A									
Blank (2008024-BLK1)				Prepared: (02/20/20 0 4	Analyzed: 0	2/20/20 1			
Chloride	ND	20.0	mg/kg							
LCS (2008024-BS1)				Prepared: (02/20/20 0 /	Analyzed: 0	2/20/20 1			
Chloride	252	20.0	mg/kg	250		101	90-110			
Matrix Spike (2008024-MS1)	Sourc	e: P002045-	01	Prepared: (02/20/20 0 /	Analyzed: 0	2/20/20 1			
Chloride	362	20.0	mg/kg	250	104	103	80-120			
Matrix Spike Dup (2008024-MSD1)	Sourc	e: P002045-	01	Prepared: (02/20/20 0 /	Analyzed: 0	2/20/20 1			
Chloride	358	20.0	mg/kg	250	104	102	80-120	1.14	20	

QC Summary Report

Comment:

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

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Enterprise	Project Name:	1003	
3008 E Greene St.	Project Number:	19026-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Ashely Maxwell	02/21/20 12:22

Notes and Definitions

ND	Analyte NOT	DETECTED	at or above	the reporting limit

NR Not Reported

RPD Relative Percent Difference

** Methods marked with ** are non-accredited methods.

Soil data is reported on an "as received" weight basis, unless reported otherwise.

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Project Info	rmation							(Chain of Cu	istody								5	0)	Page	_ <u> </u>
Client: 51	MA - E		e 's			1		Dill To		9/				1.11	0			10	0			
Project: 10	203	alcep	1,76			Attenti	on:	SMA			1		La	ID US	e On	ly		1	AT	E	PA Progra	am
Project Mar	nager: As	hley	Maxw	E.I.	1	Addres	S'	SAA			D	WU#	62		100	Jump	er	ID	30	RCRA	CWA	SDWA
Address:		ury /	THE P		1	City, St	ate. 7in		5		FO	120	100	-	Analy	sic and	Mothe	4			C+	
City, State,	Zip					Phone:				50				- i	Analy			1	1	<u> </u>	NINAL CO	
Phone:					1	Email					5	S										OT AZ
Email: brei	nt. Jackson	a sinc	udermi	ller.com		Sebo	etion.	DCDZC G			801	801				0					TYON	
Report due	by: 2/2	1/2020	2			hob	. i Curi	n Deniler	miller, I	er, com	O by	yd C	8021	260	010	300.		M	×			
Time	Date		No	C		6-9	1 (1 / / /	3.30.800		Lab	/ORI	/DR(by 1	by 8	als 61	ride		- 20	C-T		<u> </u>	
Sampled Sampled	Sampled	atrix c	ontainers	Sample ID						Number	DRO	GRO	BTEX	VOC	Meta	Chlo		3GD(GDO		Ren	narks
10:30 3	118/20 5	5	l	Con	mp.	1				1					6			X				
(0'35			l	Cor	np,	- 2				2											-	
0:50			l	Com	p	3				3												
2:30			١	Cor	np	. 4				4												
Additional	Instruction																					
Auditional	Instruction	15.																				
I, (field sampler), a	attest to the valid	lity and auth	enticity of t	his sample. I am	aware tha	t tampering w	ith or intentio	nally mislabelling t	he sample location	on, date or					Samples	requiring	thermal pres	ervation r	nust be re	eceived on ice the	e day they are sar	npled or
time of collection	n is considered fra	ud and may	be grounds	for legal action.	Sampled b	y:	B	rent Jack	Kon 15	ebast.	an C	2002	00		received	packed in	ice at an avg	temp abo	ve 0 but l	less than 6 °C on	subsequent days	
Relinquished I	by: (Signature	e)	Date	T	ime	Re	ceived by:	(Signature)	of 1	Date		Time				\$ 15-		L.	ab Us	e Only		
Busit	Juan		2/	14/20	10:0	lan	An	r	2	2.19.2	2020	10	201		Rece	ived o	on ice:	Y	N			
Relinquished I	by: (Signature	14	Date	T	ime	Re	ceived by:	(Signature)	1	Date	10	Time										
Ar		2	6.1	9.2020	113		Law	h Jal	R	2/20	Ro	0	1.00	2	<u>T1</u>			<u>T2</u>		1. T. S	<u>T3</u>	
Reinguished	by: (Signature	:)	Date	1	ime	Re	ceived by:	(Signature)	0	Date	0	Time			AVG	Temp	°c 4					
Sample Matrix:	S - Soil, Sd - Sol	lid, <mark>S</mark> g - Sluc	lge, A - Aq	queous, O - Oth	er				(Container	Туре	: g - g	lass,	p - po	ly/pla	astic, a	g - amb	er gla	ss, v -	VOA		
Note: Samples a only to those sa	are discarded 3 amples received	0 days after d by the labo	results ar oratorv wi	re reported unl th this COC. T	ess other he liabilit	arrangemen	nts are made tratory is lim	. Hazardous sam	ples will be ret	turned to cli	ient or	dispose	ed of at	t the cl	ient ex	pense.	The repo	t for th	e analy:	sis of the abo	ove samples is	applicable
		-					,												and the second second		Concession - Case	
	sen	vir	ot	ecl	n :	795 US High	way 64, Farmi	rgtor, NM 87401					Ph	(505)	532-189	1 Ex (5)	5) 632-18	5		envi	otech-inc.co	m
	A	nalyti	calte	aborato	ry i	14 Hour Emer	gency Respor	tae Fhone (800) 36	52-1879					et en en et en					la	abadmin@er	wirolach inc.	com

ceined by OCD: 4/1/2020 6:58:24 AM



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

March 04, 2020

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

RE: 1003

OrderNo.: 2002A65

Dear Ashley Maxwell:

Hall Environmental Analysis Laboratory received 2 sample(s) on 2/25/2020 for the analyses presented in the following report.

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

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

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

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109
Analytical Report

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2002A65

Date Reported: 3/4/2020

CLIENT: Souder, Miller & Associates		Cl	ient Sample II	D: BF	H1 21/2020 2:21:00 PM				
Lab ID: 2002A65-001	Matrix: SOIL Received Date: 2/25/2020 10:55:00 AM								
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch			
EPA METHOD 300.0: ANIONS					Analyst	JMT			
Chloride	1300	59	mg/Kg	20	3/1/2020 7:59:40 PM	50776			
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	BRM			
Diesel Range Organics (DRO)	ND	9.1	mg/Kg	1	2/27/2020 5:18:11 PM	50685			
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	2/27/2020 5:18:11 PM	50685			
Surr: DNOP	81.1	55.1-146	%Rec	1	2/27/2020 5:18:11 PM	50685			
EPA METHOD 8015D: GASOLINE RANGI	E				Analyst	NSB			
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	2/28/2020 11:13:37 PM	50678			
Surr: BFB	79.1	66.6-105	%Rec	1	2/28/2020 11:13:37 PM	50678			
EPA METHOD 8021B: VOLATILES					Analyst	NSB			
Benzene	ND	0.024	mg/Kg	1	2/28/2020 11:13:37 PM	50678			
Toluene	ND	0.049	mg/Kg	1	2/28/2020 11:13:37 PM	50678			
Ethylbenzene	ND	0.049	mg/Kg	1	2/28/2020 11:13:37 PM	50678			
Xylenes, Total	ND	0.098	mg/Kg	1	2/28/2020 11:13:37 PM	50678			
Surr: 4-Bromofluorobenzene	87.1	80-120	%Rec	1	2/28/2020 11:13:37 PM	50678			

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

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 1 of 6

Analytical Report

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2002A65

Date Reported: 3/4/2020

CLIENT:	Souder, Miller & Associates		Cl	ient Sample II): BF	12	
Project:	1003		(Collection Date	e: 2/2	21/2020 3:45:00 PM	
Lab ID:	2002A65-002	Matrix: SOIL		Received Date	e: 2/2	25/2020 10:55:00 AM	
Analyses		Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA MET	HOD 300.0: ANIONS					Analyst	: JMT
Chloride		380	60	mg/Kg	20	3/1/2020 8:12:00 PM	50776
EPA MET	HOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	BRM
Diesel Ra	ange Organics (DRO)	ND	8.5	mg/Kg	1	2/27/2020 5:40:07 PM	50685
Motor Oil	I Range Organics (MRO)	ND	43	mg/Kg	1	2/27/2020 5:40:07 PM	50685
Surr: E	DNOP	57.9	55.1-146	%Rec	1	2/27/2020 5:40:07 PM	50685
EPA MET	HOD 8015D: GASOLINE RANG	E				Analyst	: NSB
Gasoline	Range Organics (GRO)	ND	4.8	mg/Kg	1	2/28/2020 11:37:07 PM	50678
Surr: E	3FB	78.8	66.6-105	%Rec	1	2/28/2020 11:37:07 PM	50678
EPA MET	HOD 8021B: VOLATILES					Analyst	: NSB
Benzene		ND	0.024	mg/Kg	1	2/28/2020 11:37:07 PM	50678
Toluene		ND	0.048	mg/Kg	1	2/28/2020 11:37:07 PM	50678
Ethylben	zene	ND	0.048	mg/Kg	1	2/28/2020 11:37:07 PM	50678
Xylenes,	Total	ND	0.096	mg/Kg	1	2/28/2020 11:37:07 PM	50678
Surr: 4	1-Bromofluorobenzene	86.6	80-120	%Rec	1	2/28/2020 11:37:07 PM	50678

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

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 2 of 6

Client: Project:	Souder, 1 1003	Miller & Associates					
Sample ID:	MB-50776	SampType: mblk	Test	Code: EPA Method	300.0: Anions		
Client ID:	PBS	Batch ID: 50776	R	tunNo: 66941			
Prep Date:	3/1/2020	Analysis Date: 3/1/202	:0 S	eqNo: 2302756	Units: mg/Kg		
Analyte		Result PQL SPF	Value SPK Ref Val	%REC LowLimit	HighLimit %RPD	RPDLimit	Qual
Chloride		ND 1.5					
Sample ID:	LCS-50776	SampType: Ics	Test	Code: EPA Method	300.0: Anions		
Client ID:	LCSS	Batch ID: 50776	R	tunNo: 66941			
Prep Date:	3/1/2020	Analysis Date: 3/1/202	:0 S	eqNo: 2302757	Units: mg/Kg		
Analyte		Result PQL SPF	Value SPK Ref Val	%REC LowLimit	HighLimit %RPD	RPDLimit	Qual
Chloride		14 1.5	15.00 0	93.9 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 Limit

WO#: 2002A65 04-Mar-20

Client:	Souder, I	Miller & A	ssociate	es							
Project:	1003										
Sample ID: LC	CS-50685	SampT	Гуре: LC	s	Tes	tCode: El	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: LC	CSS	Batcl	h ID: 50	685	F	RunNo: 6	6879				
Prep Date: 2	2/26/2020	Analysis E	Date: 2/	27/2020	S	SeqNo: 2	299849	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Orga	anics (DRO)	57	10	50.00	0	114	70	130			
Surr: DNOP		5.1		5.000		101	55.1	146			
Sample ID: M	B-50685	SampT	Гуре: МЕ	BLK	Tes	tCode: El	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: PE	BS	Batc	h ID: 50	685	F	RunNo: 6	6879				
Prep Date: 2	2/26/2020	Analysis E	Date: 2/	27/2020	S	SeqNo: 2	299850	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Orga	anics (DRO)	ND	10								
Motor Oil Range C	Organics (MRO)	ND	50								
Surr: DNOP		11		10.00		115	55.1	146			
Sample ID: M	B-50823	SampT	Гуре: МЕ	BLK	Tes	tCode: El	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: PE	BS	Batc	h ID: 50	823	F	RunNo: 6	6967				
Prep Date: 3	3/3/2020	Analysis E	Date: 3/	3/2020	S	SeqNo: 2	304322	Units: %Re	•		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP		8.8		10.00		88.5	55.1	146			
Sample ID: LC	CS-50823	SampT	Гуре: LC	s	Tes	tCode: El	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: LC	CSS	Batc	h ID: 50	823	F	RunNo: 6	6967				
Prep Date: 3	3/3/2020	Analysis E	Date: 3/	/3/2020	5	SeqNo: 2	304323	Units: %Re	•		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP		4.3		5.000		86.4	55.1	146			

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 Limit

Page 4 of 6

WO#: 2002A65

04-Mar-20

Client:	Souder,	Miller & A	ssociate	es							
Project:	1003										
Sample ID:	mb-50678	SampT	ype: MI	BLK	Tes	tCode: El	PA Method	8015D: Gasc	line Rang	e	
Client ID:	PBS	Batch	n ID: 50	678	F	RunNo: 6	6892				
Prep Date:	2/25/2020	Analysis D	Date: 2/	28/2020	S	SeqNo: 2	301157	Units: mg/#	٤g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang	je Organics (GRO)	ND	5.0								
Surr: BFB		830		1000		83.4	66.6	105			
Sample ID:	lcs-50678	SampT	ype: LC	s	Tes	tCode: El	PA Method	8015D: Gasc	line Rang	e	
Client ID:	LCSS	Batch	n ID: 50	678	F	RunNo: 6	6892				
Prep Date:	2/25/2020	Analysis D	Date: 2/	28/2020	5	SeqNo: 2	301158	Units: mg/k	(g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang	e Organics (GRO)	22	5.0	25.00	0	86.5	80	120			
Surr: BFB		890		1000		88.9	66.6	105			

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
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 5 of 6

WO#: 2002A65 04-Mar-20

Client: Project:	Souder, Miller & 1003	z Associat	es							
Sample ID: mb-506	578 Sar	mpType: M	BLK	Tes	tCode: El	PA Method	8021B: Vola	tiles		
Client ID: PBS	В	atch ID: 50	678	F	RunNo: 6	6892				
Prep Date: 2/25/2	020 Analys	is Date: 2	/28/2020	S	SeqNo: 2	301205	Units: mg/k	٤g		
Analyte	Resu	lt PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	N	D 0.025								
Toluene	N	D 0.050								
Ethylbenzene	N	D 0.050								
Xylenes, Total	N	D 0.10								
Surr: 4-Bromofluorobe	nzene 0.9	0	1.000		89.9	80	120			
Sample ID: LCS-50	678 Sar	mpType: L(cs	Tes	tCode: El	PA Method	8021B: Vola	tiles		
Client ID: LCSS	В	atch ID: 50	678	F	RunNo: 6	6892				
Prep Date: 2/25/2	020 Analys	is Date: 2	/28/2020	5	SeqNo: 2	301206	Units: mg/ #	٢g		
Analyte	Resu	lt PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.9	4 0.025	1.000	0	94.1	80	120			
Toluene	0.9	7 0.050	1.000	0	97.1	80	120			
Ethylbenzene	0.9	8 0.050	1.000	0	98.1	80	120			
Xylenes, Total	3.	0 0.10	3.000	0	99.0	80	120			
Surr: 4-Bromofluorobe	nzene 0.9	5	1.000		94.8	80	120			

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
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- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 6 of 6

WO#:	2002A	.65

04-Mar-20

vived by OCD: 4/1/2020 6:58:24 AM HALL ENVIRONMENTAL ANALYSIS LABORATORY			Ha TE	Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com					Page Sample Log-In Check List				
Client Nam	e: SMA-CAR ENH 2/2	LSBAD 5/20	Work	k Order Num	nber: 200	2A65			RcptNo:	1			
Received B	y: Juan	Rojas	2/25/20	020 10:55:0	0 AM								
Completed I	By: Erin Mel	endrez	2/25/20	020 1;17:07	РМ		ú	MA	7				
Reviewed B	y: Mt		Ć	225	20								
Chain of (Custody												
1. Is Chain	of Custody suffi	ciently complet	e?		Yes	\checkmark	No		Not Present				
2. How was	the sample deli	vered?			Cou	<u>rier</u>							
<u>Log In</u> 3. Was an a	ttempt made to	cool the sampl	les?	÷	Yes	\checkmark	No						
4. Were all s	amples receive	d at a tempera	ture of >0° C	to 6.0°C	Yes	\checkmark	No						
5. Sample(s) in proper container(s)?				Yes	✓	No			a				
6. Sufficient	sample volume	for indicated te	est(s)?		Yes	\checkmark	No						
7. Are sampl	es (except VOA	and ONG) pro	perly preserv	ed?	Yes	\checkmark	No						
8. Was pres	ervative added t	o bottles?			Yes		No	\checkmark	NA 🗌				
9. Received	at least 1 vial w	th headspace	<1/4" for AQ \	VOA?	Yes		No		NA 🗹				
10. Were any	sample contair	ers received b	roken?		Yes		No	✓	# of preserved	2/20/2			
11.Does pape	erwork match bo	ottle labels?			Yes	\checkmark	No		for pH:	(13/20			
(Note disc	repancies on ch	ain of custody)							(<2 or 2) Adjusted?	12 unless noted)			
12 Is it clear	what analyses w	reference on Chair	n of Custody?		Yes		No						
14 Were all h	olding times ab	e to be met?	ſ		Yes		No		Checked by:				
(If no, noti	fy customer for	authorization.)			165		NO						
Special Ha	ndling (if ap	plicable)											
15. Was clier	nt notified of all o	liscrepancies v	vith this order	?	Yes		No		NA 🗹				
Per	son Notified:	Γ	 	Date	: [*******		oran manage					
By	Whom:			Via:	🗌 eM	ail [Phone] Fax	In Person				
Reg	arding: ent Instructions:]											
16. Additiona	al remarks:	,							· · · · · · · · · · · · · · · · · · ·				
17 Cooler l	oformation												
Coole	r No Temp °C	Condition	Seal Intact	Seal No	Seal D	ate	Signed	Bv					
1	0.2	Good											
2	4.2	Good											

Received by OCD: 4/1/2020 6:	58:24 AM		Page 80 of 84
 HALL ENVIRONME ANALYSIS LABOR/ ANW.hallenvironmental.com 4901 Hawkins NE - Albuquerque, NM 87109 Tel. 505-345-3975 Fax 505-345-4107 Tel. 505-345-3975 Fax 505-345-4107 	PH:8015D(GRO / DRO / MRO) 1081 Pesticides/8082 PCB's EDB (Method 504.1) 201)F, Br, NO ₃ , NO ₂ , PO ₄ , SO ₄ 2010 (YOA) 2018 Coliform (Present/Absent) 1018 Coliform (Present/Absent)		narks: bility. Any sub-contracted data will be clearly notated on the analytic
	BTEX/ MTBE / TMB's (8021)		30 Ren
Jacy Turn Rush	«×well Sov □ No dive 0.3-0.1-4.2(0.3-0.1-4.2(100-	$\frac{2}{2} \frac{2}{2} \frac{1}{2} \frac{1}$
	iger: タイン アイトン アイトン アート アート アート アート アート アート アート アート	T Cool	Via: Via: COVV
Turn-Around	Project Mana A 5 h h Sampler: On Ice: # of Coolers: Cooler Temp Container	T	Received by: Received by: Received by: contracted to other a
Lustody Record S. Halagueño M. 88220 9 - 8801	Compliance	ZHZ ZHZ	shed by: shed by: submitted to Hall Environmental may be subc
NA NA 15-69	ie a Shie Je: D Az C D Oth	1371	Relinqui Relinqui ary, samples s
Chai SA g Addre	or Fax# C Packag andard ditation: <u>D (Type</u>	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Time: $\alpha / \gamma 3C$ $\alpha / \gamma 3C$ $\alpha / \gamma 3C$
Client Mailin Phone	email QA/QC Accre C ED	The t	Date: Zhyl Date: Zhyfa

.

APPENDIX D EC CALIBRATION CURVE

•

.



EC

	PPM
0.5	449.78
0.8	882.77
0.9	1027.1
1	1171.43
1.1	1315.76
1.2	1460.09
1.3	1604.42
1.5	1893.08
1.6	2037.41
1.8	2326.07
2	2614.73
3	4058.03
4	5501.33
5	6944.63
6	8387.93
7	9831.23

-

•

APPENDIX E PHOTOLOG





NW NE NE © 4°N (T) ● 32°11'11"N, 104°3'5"W ±16ft ▲ 2936ft



Ξ 330 0 304 60 90

© 346°N (T) ● 32°11'12"N, 104°3'6"W ±16ft ▲ 2941ft

21 Eeb 2020 15:43:0

© 351°N (T) ● 32°11'13"N, 104°3'6"W ±226ft ▲ 2939ft 1003 Pipeli Lynn A. Acc

Ν 300 330 U 0 30 00