Page 1 of 155

Incident ID	nAPP2229363998
District RP	
Facility ID	E-21-22S-28E
Application ID	

Closure

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

Closure Report Attachment Checklist: Each of the following	items must be included in the closure report.
A scaled site and sampling diagram as described in 19.15.29.	11 NMAC
Photographs of the remediated site prior to backfill or photos must be notified 2 days prior to liner inspection)	s of the liner integrity if applicable (Note: appropriate OCD District office
☐ Laboratory analyses of final sampling (Note: appropriate OD	C District office must be notified 2 days prior to final sampling)
☐ Description of remediation activities	
and regulations all operators are required to report and/or file certa may endanger public health or the environment. The acceptance of should their operations have failed to adequately investigate and re human health or the environment. In addition, OCD acceptance of compliance with any other federal, state, or local laws and/or regul restore, reclaim, and re-vegetate the impacted surface area to the coaccordance with 19.15.29.13 NMAC including notification with 19.15.29.13 N	ations. The responsible party acknowledges they must substantially onditions that existed prior to the release or their final land use in
OCD Only	
Received by: Robert Hamlet	Date: 3/30/2023
	of liability should their operations have failed to adequately investigate and water, human health, or the environment nor does not relieve the responsible or regulations.
Closure Approved by: Robert Hamlet	Date: 3/30/2023
Printed Name: Robert Hamlet	Title: Environmental Specialist - Advanced

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

Date Release Discovered: 10/21/2022

State of New Mexico **Energy Minerals and Natural** Resources Department

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

Page 2 of 155 Form C-141 Revised August 24, 2018 Submit to appropriate OCD District office

Incident ID	nAPP2229363998
District RP	
Facility ID	E-21-22S-28E 0N 0E
Application ID	

Release Notification

Responsible Party

· · · · · ·	
Responsible Party: Matador Production Company	OGRID: 228937
Contact Name: Arsenio T. Jones	Contact Telephone: 575-361-4333
Contact email: arsenio.jones@matadorresources.com	Incident # (assigned by OCD): nAPP2229363998
Contact mailing address: One Lincoln Centre Dallas, TX 75240	
Location of	f Release Source
Latitude 32.38478 Longitude -104.10065 (location of source) (NAD 83 in decimal)	al degrees to 5 decimal places)
Site Name: Barry Miller Booster Station	Site Type: Production Battery

E 21 22S 28E Eddy	Unit Letter	Section	Township	Range	County
	Е	21	1 1 1 8	28E	Eddy

Surface Owner: 🗌 State 🔲 Federal 🔲	☐ Tribal ☑ Private (<i>Name</i> :
------------------------------------	------------------------------------

 $API\#\ (\textit{if applicable}) E\text{-}21_22S\text{-}28E\ ON\ OE$

Materia	ul(s) Released (Select all that apply and attach calculations or specific	c justification for the volumes provided below)
Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
Produced Water	Volume Released (bbls) 7	Volume Recovered (bbls) 5
	Is the concentration of dissolved chloride in the produced water >10,000 mg/1?	☐ Yes ☐ No
Condensate	Volume Released (bbls)	Volume Recovered (bbls)
Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)
Cause of Release: Seal o	on charge pump failed releasing fluid inside containmen	nt.

Nature and Volume of Release

Form C-141 State of New Mexico Received by OCD: 12/16/2022 9:25:36 AM Oil Conservation Division

Incident ID	nAPP2288482page 3 of 1	55
District RP		
Facility ID	L-21-20S-35E ON OE	
Application ID		

Was this a major release as defined by 19.15.29.7(A) NMAC? ☐ Yes ☒ No	If YES, for what reason(s) does the responsible party consider this a major release? The Release was > 50bbl
	tice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? to the NMOCD on 10/20/22 by Arsenio Jones of Matador (online).
	Initial Response
The responsible p	arty must undertake the following actions immediately unless they could create a safety hazard that would result in injury
The source of the release	ase has been stopped.
The impacted area has	s been secured to protect human health and the environment.
Released materials has	ve been contained via the use of berms or dikes, absorbent pads, or other containment devices.
All free liquids and re	coverable materials have been removed and managed appropriately.
has begun, please attach a	AC the responsible party may commence remediation immediately after discovery of a release. If remediation a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred t area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.
regulations all operators are republic health or the environme failed to adequately investigations.	mation given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and required to report and/or file certain release notifications and perform corrective actions for releases which may endanger nent. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have the and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws
Printed Name: Arsen	io T. Jones Title:Regulatory, Environmental and Safety Specialist
Signature:	Date: <u>10/21/22</u>
email:arsenio.jones@n	natadorresources.com Telephone:575-361-4333
OCD Only Received by:	Harimon 10/21/2022 Date:

	Page 4 of 15	55
Incident ID	nAPP2229363998	
District RP		
Facility ID	E-21-22S-28E	
Application ID		

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	53 bgs)	_(ft
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 ☐	
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?		.
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☐ Yes ☐	
Are the lateral extents of the release within 300 feet of a wetland?		
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
	☐ 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 ver contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.	tical extents	of soil
Characterization Report Checklist: Each of the following items must be included in the report.		
 Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring well Field data Data table of soil contaminant concentration data Depth to water determination Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release Boring or excavation logs Photographs including date and GIS information Topographic/Aerial maps Laboratory data including chain of custody 	ls.	

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

Received by OCD: 12/16/2022 9:25:36 AM State of New Mexico
Page 4 Oil Conservation Division

Page 5 of 155

Incident ID	nAPP2229363998
District RP	
Facility ID	E-21-22S-28E
Application ID	

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: Arkenio Jones	Title:Regulatory Environmental and Safety Specialist
Signature:	Date:11/30/2022
email: _arsenio.jones@matadorresources.com_	Telephone: <u>575-361-4333</u>
OCD Only	
Received by:	Date:

Page 6 of 155

Incident ID nAPP2229363998

District RP
Facility ID E-21-22S-28E

Application ID

Remediation Plan

Remediation Plan Checklist: Each of the following items must be included in the plan.							
Detailed description of proposed remediation technique Scaled sitemap with GPS coordinates showing delineation points Estimated volume of material to be remediated Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)							
Deferral Requests Only: Each of the following items must be confirmed as part of any request for deferral of remediation.							
Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.							
Extents of contamination must be fully delineated.							
Contamination does not cause an imminent risk to human health, the environment, or groundwater.							
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: Title: Regulatory Environmental and Safety Specialist Date: 11/30/2022 Email: arsenio.jones@matadorresources.com Telephone: 575-361-4333							
OCD Only							
Received by: Date:							

Page 7 of 155

Incident ID	nAPP2229363998
District RP	
Facility ID	E-21-22S-28E
Application ID	

Closure

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

Closure Report Attachment Checklist: Each of the following is	tems must be included in the closure report.
	11 NMAC
Photographs of the remediated site prior to backfill or photos must be notified 2 days prior to liner inspection)	of the liner integrity if applicable (Note: appropriate OCD District office
☐ Laboratory analyses of final sampling (Note: appropriate ODC	C District office must be notified 2 days prior to final sampling)
□ Description of remediation activities	
may endanger public health or the environment. The acceptance of should their operations have failed to adequately investigate and rer human health or the environment. In addition, OCD acceptance of compliance with any other federal, state, or local laws and/or regular restore, reclaim, and re-vegetate the impacted surface area to the coaccordance with 19.15.29.13 NMAC including notification to the O	ntions. The responsible party acknowledges they must substantially nditions that existed prior to the release or their final land use in
OCD Only	
Received by:	Date:
	of liability should their operations have failed to adequately investigate and water, human health, or the environment nor does not relieve the responsible or regulations.
Closure Approved by:	Date:
Printed Name:	Title:

Closure Report

Barry Miller Booster Station Eddy County, New Mexico Incident #nAPP2229363998 E-21-22S-28E

Prepared For:

Matador Production Company One Lincoln Center Dallas, TX 75240

Prepared By:

R&R Environmental 1505 W. Bullock Avenue Artesia, NM 88210

ENVERONMENTAL REMEDIACION & REGLAMATION SERVICES

November 3, 2022





Mike Bratcher
NMOCD
506 W. Texas
Artesia, NM 88210

Subject:

Closure Report

Barry Miller Booster Station

Eddy County, NM E-21-22S-28E

Dear Mr. Bratcher,

Matador Production Company contracted R&R Environmental to perform soil assessment and remediation services at the above referenced location. The incident description, soil sampling results, remedial actions and closure request is presented herein.

Site Information

The Barry Miller Booster Station is located approximately 7 miles southeast of Carlsbad New Mexico. The legal description for the site of release is Unit Letter E, Section 21, Township 22 South and Range 28 East in Eddy County, New Mexico. More specifically the latitude and longitude for the release are 32.38478 and -104.10065. A Site Location Map is presented in Appendix II.

According to the soil survey provided by the United States Department of Agriculture National resources Conservation Services, the soil in this area is made up of Reeves-Gypsum land complex, with 0 to 3 percent slopes, and a depth to restrictive feature of more than 80 inches. The referred soil data is presented in Appendix III. Per the New Mexico Bureau of Geology and Mineral Resources, the local geology consists of Piedmont Alluvial Deposits, Holocene to Lower Pleistocene in age, and comprised of alluvial veneers of the piedmont slope, and alluvial fans. The soil characterization for this site contains a certain level of natural salinity (2.0 to 8.0 mmhos/cm). Drainage courses in this area are typically well drained.

Ground Water and Site Characterization

The New Mexico Office of the State Engineer Database indicates the nearest reported depth to groundwater is 53 feet below ground surface (bgs). See Appendix III for the referenced groundwater depth. Further research of the Bureau of Land Management Karst data indicates that this site is located within a medium range potential Karst area.

Incident Description

On October 21, 2022, a seal on a charge pump failed releasing fluid inside the containment. This caused a release of approximately 7 bbls. of produced water, of which 5 bbls. were recovered.

Site Assessment

On October 22, 2022, R&R Environmental and BDS Enterprises personnel mobilized to the site to scrape the impacted area to a depth of 6 inches. On October 24, 2022, R&R Environmental mobilized personnel to the site to conduct an initial site assessment. The impacted area was measured and mapped with a rolling wheel and sampled using a hand sieve. All soil samples were properly packaged, preserved, and transported to a Hall Laboratory Representative via chain of custody for analysis of Total Chlorides (EPA Method 300.0), TPH (EPA Method 8015M/D and EPA Method 8015D), and BTEX (EPA Method 8021B). Sample Locations are shown on the attached figure (Appendix II) and the results of our assessment sampling event are presented on the following data table.

Table I

10/24/2022 Soil Sample Laboratory Results

	Sample Date able 1 Closure (Depth (BGS)	BTEX mg/kg 50 mg/kg	Benzene mg/kg 10 mg/kg		DRO mg/kg 0 + DRO + I		Total TPH mg/kg 100 mg/kg	Chlorides mg/kg 600 mg/kg
		A =1							
S-1	10/24/2022	0.5'	ND	ND	ND	ND	ND	0	150
S-2	10/24/2022	0.5'	ND	ND	ND	ND	ND	0	3100
S-3	10/24/2022	0.5'	ND	ND	ND	ND	ND	0	1400
S-4	S-4 10/24/2022 0.5'			ND	ND	ND	ND	0	1300
S-5	10/24/2022	0.5'	ND	ND	ND	ND	ND	0	1300
S-6	10/24/2022	0.5'	ND	ND	ND	ND	ND	0	2000
S-7	10/24/2022	0.5'	ND	ND	ND	ND	ND	0	2000
	ND = Analyte Not Detected								

See Appendix V for the complete report of laboratory results.

Scope of Work

On October 26, 2022, based on the laboratory results from the initial site assessment and upon client authorization, R&R Environmental personnel and equipment were mobilized to the site in order to commence remediation of the impacted area. A Hydro-vac was dispatched to expose electrical lines in the area requiring excavation. Field titration data was used to guide the clean-up efforts. All soil samples were properly collected and preserved for transport to Hall Laboratories in order to confirm that NMOCD clean-up criteria had been achieved in accordance with Table 1 standards. The confirmation results from the laboratory are tabulated below. Confirmation sample locations are illustrated in Appendix II.

Table II11/2/2022 Confirmation Sample Laboratory Results (Pad Impact)

Sample ID	Sample Date	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Chlorides mg/kg
NMOCD Table 1 Closure Criteria 19.15.29 NMAC		50 mg/kg	10 mg/kg	GRO + DRO + MRO combined = 100 mg/kg		100 mg/kg	600 mg/kg		
S2A	11/2/2022	2'	ND	ND	ND	ND	ND	-	380
S3A	11/2/2022	2	ND	ND	ND	ND	ND	-	140
S4A	11/2/2022	2'	ND	ND	ND	ND	ND	_	930
S-4B	11/11/2022	2.5'	ND	ND	ND	ND	ND	-	ND
S5A	11/2/2022	2'	ND	ND	ND	ND	ND	-	270
S6A	11/2/2022	2'	ND	ND	ND	ND	ND	-	ND
S7A	11/2/2022	2'	ND	ND	ND	ND	ND	-	ND
S8A	11/2/2022	2'	ND	ND	ND	ND	ND	-	280
S9A	11/2/2022	2'	ND	ND	ND	ND	ND	-	180
S10A	11/2/2022	2'	ND	ND	ND	ND	ND	-	160
S11A	11/2/2022	2′	ND	ND	ND	ND	ND	-	450
S12A	11/2/2022	2'	ND	ND	ND	ND	ND	-	180
S13A	11/2/2022	2'	ND	ND	ND	ND	ND	-	340
S14A	11/2/2022	2'	ND	ND	ND	ND	ND	_	ND
S15A	11/2/2022	2'	ND	ND	ND	ND	ND	-	ND
S16A	11/2/2022	2'	ND	ND	ND	ND	ND	-	700
S-16B	11/11/2022	2.5'	ND	ND	ND	ND	ND	-	130
S17A	11/2/2022	2'	ND	ND	ND	ND	ND	-	250
S18A	11/2/2022	2'	ND	ND	ND	ND	ND	-	310
S19A	11/2/2022	2'	ND	ND	ND	ND	ND	- 1	660
S-19B	11/11/2022	2.5'	ND	ND	ND	ND	ND		290
S20A	11/2/2022	2'	ND	ND	ND	ND	ND	-	370
SW1	11/3/2022	2'	ND	ND	ND	ND	ND	-	ND
SW2	11/3/2022	2'	ND	ND	ND	ND	ND	-	ND
SW3	11/3/2022	2'	ND	ND	ND	ND	ND	-	ND
SW4	11/3/2022	2'	ND	ND	ND	ND	ND	-	ND
SW5	11/3/2022	2'	ND	ND	ND	ND	ND	<u>.</u>	64
SW6	11/3/2022	2'	ND	ND	ND	ND	ND	-	ND
BG1	11/3/2022	0'	ND	ND	ND	ND	ND	-	ND
BG2	11/3/2022	0'	ND	ND	ND	ND	ND	-	ND
BG3	11/3/2022	0'	ND	ND	ND	ND	ND	-	ND
BG4	11/3/2022	0'	ND	ND	ND	ND	ND	-	ND
	ND = Analyt	e Not De	ected SV	V = Sidewal	l Sample	BG = Bac	kground s	ample	

See Appendix V for the complete report of laboratory results

Released to Imaging: 3/30/2023 9:21:17 AM

Table III
11/3/2022 Confirmation Sample Laboratory Results (Pasture Impact)

Sample ID	Sample Date	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Chlorides mg/kg
NMOCD Ta	ble 1 Closure Crit NMAC	eria 19.15.29	50 mg/kg	10 mg/kg	GRO + DI	RO + MRO com mg/kg	bined = 100	100 mg/kg	600 mg/kg
S-21A	11/3/2022	1'	ND	ND	ND	ND	ND	-	ND
S-22A	11/3/2022	1'	ND	ND	ND	ND	ND	-	ND
S-23A	11/3/2022	1'	ND	ND	ND	ND	ND	_	250
S-24A	11/3/2022	1'	ND	ND	ND	ND	ND	-	180
S-25A	11/3/2022	1'	ND	ND	ND	ND	ND	-	90
S-26A	11/3/2022	1'	ND	ND	ND	ND	ND	-	ND
S-27A	11/3/2022	1'	ND	ND	ND	ND	ND	ŏ =	ND
S-28A	11/3/2022	1'	ND	ND	ND	ND	ND	.4	210
S-29A	11/3/2022	1'	ND	ND	ND	ND	ND	_	ND
S-30A	11/3/2022	1'	ND	ND	ND	ND	ND	-	ND
S-31A	11/3/2022	1'	ND	ND	ND	ND	ND	-	ND
S-32A	11/3/2022	1'	ND	ND	ND	ND	ND	=	ND
S-33A	11/3/2022	1'	ND	ND	ND	ND	ND	-	ND
SW1	11/3/2022	1'	ND	ND	ND	19	110	129	210
SW1A	11/11/2022	2' *	ND	ND	ND	ND	ND	-	ND
SW2	11/3/2022	1'	ND	ND	ND	ND	ND	-	ND
SW3	11/3/2022	1'	ND	ND	ND	ND	ND	-	ND
SW4	11/3/2022	1'	ND	ND	ND	ND	ND	-	150
BG1	11/3/2022	0'	ND	ND	ND	ND	ND	i a	ND
BG2	11/3/2022	0'	ND	ND	ND	ND	54	54	ND
BG3	11/3/2022	0'	ND	ND	ND	ND	ND	_	ND
BG4	11/3/2022	0'	ND	ND	ND	ND	ND	-	ND
	ND = Ana	lyte Not Detecte	d SW = Sidew	all sample BG :	= Background	sample * = 2'	norizontal exte	ension	

See Appendix V for the complete report of laboratory results

Remedial Actions

- The spill footprint of the impacted pad area was excavated to a depth of 2 to 2.5 feet bgs (below ground surface), and to the horizontal extent that all surface staining and chlorides were removed. Laboratory analysis confirms that NMOCD remediation guidelines for soil characterization were achieved.
- The spill footprint of the impacted pasture area was excavated to a depth of 1-foot bgs, and to the horizontal extent that all surface staining and chlorides were removed. Laboratory analysis confirms that NMOCD remediation guidelines for soil characterization were achieved.
- Background samples were obtained in order to confirm horizontal delineation in both the pad and pasture impacted areas.
- The excavated pad area was backfilled with clean caliche, from Mo's Crushing LLC, restored to grade and compacted.
- The excavated pasture area was backfilled with clean topsoil from a private landowner, Onsurez, and seeded with BLM #2 seed mixture in accordance with NMSLO guidelines Appendix VI.
- All contaminated soil was transported to R360 Environmental Solutions, a NMOCD approved disposal facility.
- A Liner inspection was completed with Matador Representatives present and no impediments to the liner were observed. See Appendix I

Closure

Based on this site characterization, remedial actions completed, and analytical results we request that no further actions be required, and that closure with regard to the attached incident be granted.

Should you have any questions or if further information is required, please do not hesitate to contact us at 575-441-0980.

Respectfully submitted,

R&R Environmental

James W. Carnes Environmental Scientist Rebecca S. Pons Project Manager

Attachments:

Appendix I NMOCD
Appendix II Site Maps

Appendix III Groundwater Data, Soil Survey, & Wetlands Map

Appendix IV Photographic Documentation

Appendix V Laboratory Data

Appendix VI Seed Tag



Appendix I

NMOCD

C-141

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

State of New Mexico Energy Minerals and Natural Resources Department

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

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

Incident ID	nAPP2229363998
District RP	
Facility ID	E-21-22S-28E 0N 0E
Application ID	

Release Notification

			Kesh	OHSIN	ne Part	y	
Responsible	Party: Mata	ador Production Co	ompany	OGRID: 2	28937		
Contact Name: Arsenio T. Jones Co						elephone: 575-361-4333	
Contact ema	il: arsenio.jo	ones@matadorreso	urces.com		Incident #	(assigned by OCD): nAPP2229363998	
Contact mail	ing address:	One Lincoln Cen Dallas, TX 75240					
			Location	of Re	elease So	ource	
Latitude 32.3	8478 Long	gitude <u>-104.10065</u>	location of sourc (NAD 83 in dec		ees to 5 decin	nal places)	
Site Name: B	arry Miller l	Booster Station			Site Type:	Production Battery	
Date Release	Discovered:	10/21/2022			API# (if applicable)E-21_22S-28E ON OE		
Unit Letter	Unit Letter Section Township Range County						
Е	21	22S	28E	Eddy			
Surface Owner	: State	☐ Federal ☐ Tr	ibal 🛭 Private (A		ıme of F	Release	
	Material			calculation	ns or specific	justification for the volumes provided below)	
Crude Oil		Volume Released			P = 40 A = 100	Volume Recovered (bbls)	
□ Produced	Water	Volume Released				Volume Recovered (bbls) 5	
Is the concentration of dissolved chloride in produced water >10,000 mg/l?					n the	☐ Yes ☒ No	
Condensate Volume Released (bbls)						Volume Recovered (bbls)	
☐ Natural Gas Volume Released (Mcf)						Volume Recovered (Mcf)	
Other (describe) Volume/Weight Released (provide units)						Volume/Weight Recovered (provide units)	
Cause of Rele	age: Seal or	charge numn fail	ed releasing fluid	incide o	ontainment		

Released to Imaging: 3/30/2023 9:21:17 AM

Incident ID	nAPP228848285
District RP	
Facility ID	L-21-20S-35E ON OE
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? ☐ Yes ☒ No	If YES, for what reason(s) does the responsible party consider this a major release? The Release was > 50bbl						
If YES, was immediate no Notification was provided	otice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? It to the NMOCD on 10/20/22 by Arsenio Jones of Matador (online).						
	Initial Response						
The responsible p	party must undertake the following actions immediately unless they could create a safety hazard that would result in injury						
The source of the rele	ase has been stopped.						
☐ The impacted area has	s been secured to protect human health and the environment.						
Released materials have							
All free liquids and re	coverable materials have been removed and managed appropriately.						
has begun, please attach a	AC the responsible party may commence remediation immediately after discovery of a release. If remediation narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.						
regulations all operators are re public health or the environme failed to adequately investigat	nation given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and equired to report and/or file certain release notifications and perform corrective actions for releases which may endanger ent. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have a and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws						
Printed Name: Arsenie Signature:	Date: 10/21/22						
email:arsenio.jones@ma	atadorresources.com Telephone:575-361-4333						
OCD Only Jocelyn I	Harimon 10/21/2022						

Incident ID	nAPP2229363998
District RP	
Facility ID	E-21-22S-28E
Application ID	

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	53 (ft bgs)									
Did this release impact groundwater or surface water?										
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant	Yes No									
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?										
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ⊠ No									
	☐ Yes ⊠ No									
Are the lateral extents of the release overlying an unstable area such as karst geology?										
Are the lateral extents of the release within a 100-year floodplain?										
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.

	Cha	Aracterization Report Checklist: Each of the following items must be included in the report.
6/2022 9:25:36 AM		Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells. Field data Data table of soil contaminant concentration data Depth to water determination Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release Boring or excavation logs Photographs including date and GIS information Topographic/Aerial maps Laboratory data including chain of custody
12/1	f the	site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation
		That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed campling plan

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.

Incident ID	nAPP2229363998	
District RP		
Facility ID	E-21-22S-28E	
Application ID		

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: Arsenio Jones	Title: Regulatory Environmental and Safety Specialist
Signature:	Date:11/30/2022
email: arsenio.jones@matadorresources.com	Telephone: <u>575-361-4333</u>
OCD Only	
Received by:	Date:12/16/2022

Incident ID	nAPP2229363998
District RP	
Facility ID	E-21-22S-28E
Application ID	

Released to Imaging: 3/30/2023 9:21:17 AM

Remediation Plan

Demodiation Plan Checklist, Each of the following items must be included in the wlan										
Remediation Plan Checklist: Each of the following items must be included in the plan.										
 ☑ Detailed description of proposed remediation technique ☑ Scaled sitemap with GPS coordinates showing delineation points ☑ Estimated volume of material to be remediated ☑ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC ☑ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required) 										
Deferral Requests Only: Each of the following items must be confirmed as part of any request for deferral of remediation.										
Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.										
Extents of contamination must be fully delineated.										
Contamination does not cause an imminent risk to human health, the environment, or groundwater.										
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: Arsenio Jones, Title: Regulatory Environmental and Safety Specialist										
Signature: Date:11/30/2022										
email: <u>arsenio.jones@matadorresources.com</u> Telephone: <u>575-361-4333</u>										
OCD Only										
Received by:Jocelyn Harimon Date:12/16/2022										

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

must be notified 2 days prior to liner inspection)

Incident ID	nAPP2229363998	
District RP		
Facility ID	E-21-22S-28E	
Application ID	·	

Closure

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

Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office

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 land regulations all operators are required to report and/or file certain release may endanger public health or the environment. The acceptance of a C-141 should their operations have failed to adequately investigate and remediate compliance with or the environment. In addition, OCD acceptance of a C-141 recompliance with any other federal, state, or local laws and/or regulations. The restore, reclaim, and re-vegetate the impacted surface area to the conditions to accordance with 19.15.29.13 NMAC including notification to the OCD when	notifications and perform corrective actions for releases which report by the OCD does not relieve the operator of liability ontamination that pose a threat to groundwater, surface water, eport does not relieve the operator of responsibility for ne responsible party acknowledges they must substantially hat existed prior to the release or their final land use in
Printed Name: Arsenio Jones Title: Regulatory I	Environmental and Safety Specialist
Signature: Date:	11/30/2022
email: _arsenio.jones@matadorresources.com	Telephone: <u>575-361-4333</u>
OCD Only	
Received by:	Date:
Closure approval by the OCD does not relieve the responsible party of liability remediate contamination that poses a threat to groundwater, surface water, hun party of compliance with any other federal, state, or local laws and/or regulation	nan health, or the environment nor does not relieve the responsible
Closure Approved by:	Date:
Printed Name:	Title:

Liner Integrity Certification

The following serves to verify that the affected liner has been inspected and found to be in serviceable condition in accordance with 19.15.29.11 A.(5)(a)(i-ii) of the New Mexico Administrative Code.

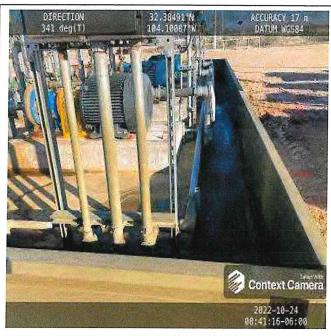
Facility ID:

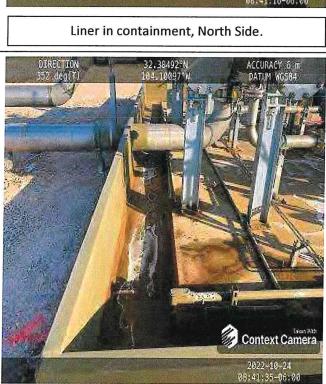
Date: 10/24/2022

Incident ID(s): nAPP2229363998

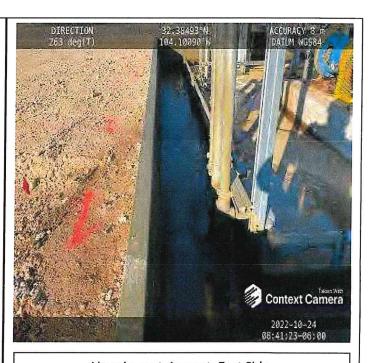
- ☑ Responsible Party has visually inspected the liner.
- ☑ Liner remains intact and was able to contain the leak in question.
- At least two business days' notice was given to the appropriate division district office before conducting the liner inspection.
- Photographs illustrating liner integrity are included.



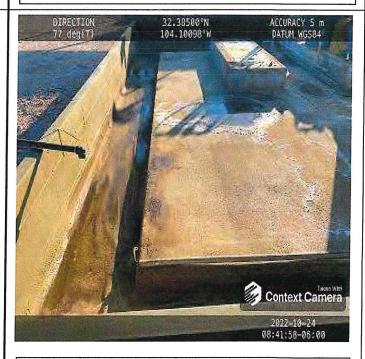




Liner in containment, West Side.



Liner in containment, East Side.



Liner in containment, South Side.

Released to Imaging: 3/30/2023 9:21:17 AM



Appendix II

Site Maps

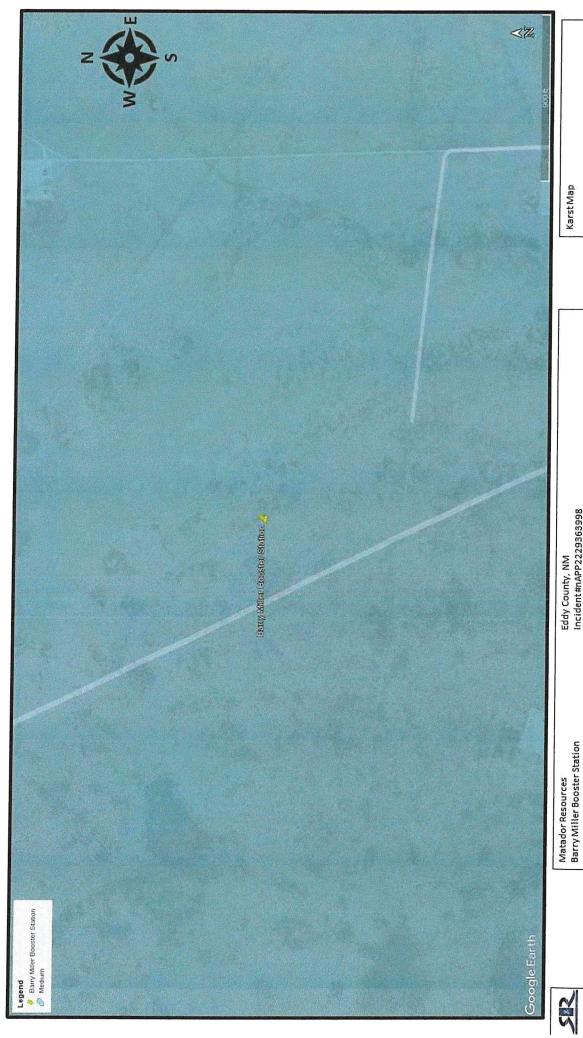




Matador Resources Barry Miller Booster Station

Eddy County, NM Incident#nAPP2229363998

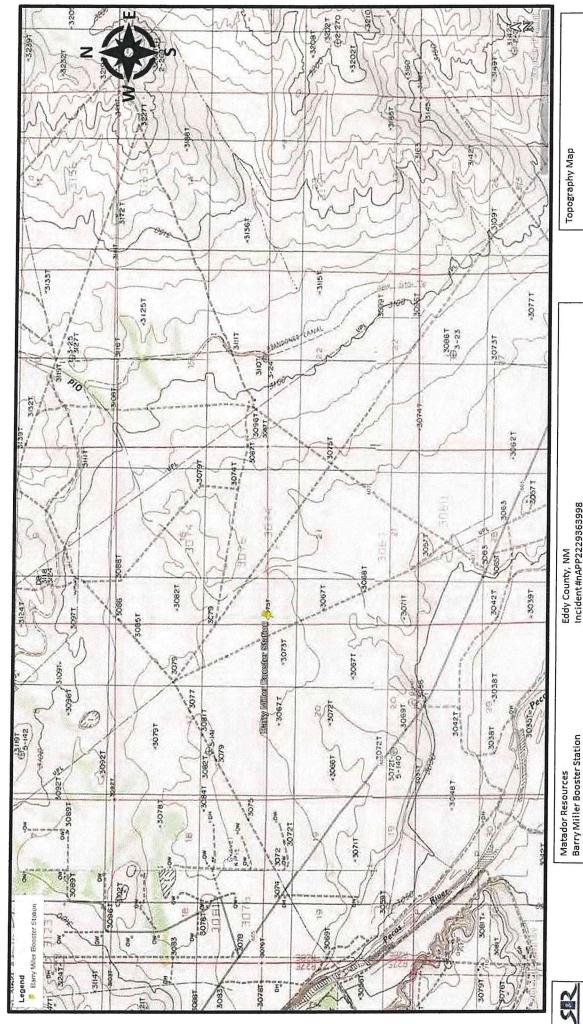
Site Assessment Map





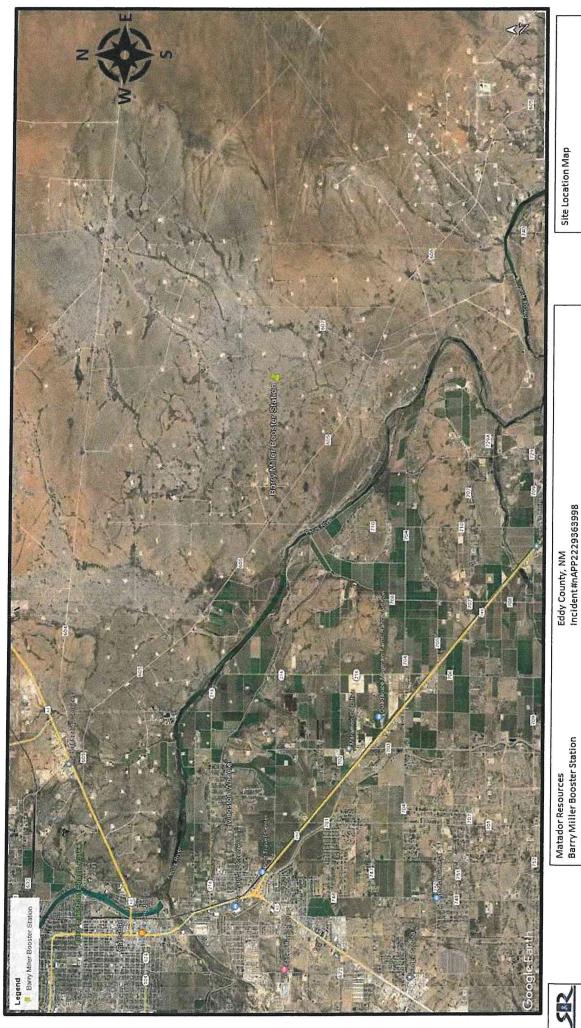
Eddy County, NM Incident#nAPP2229363998

KarstMap





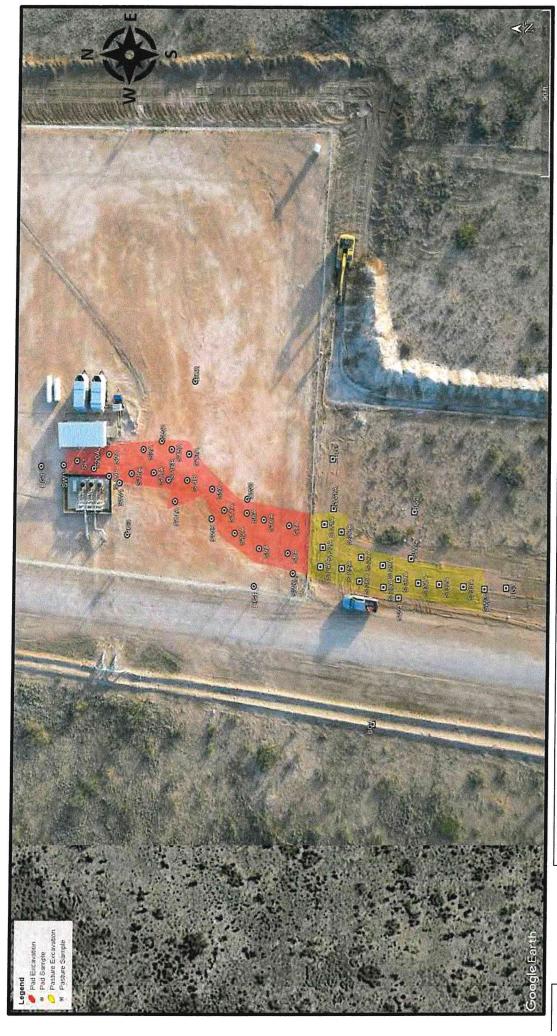
Topography Map





Eddy County, NM Incident#nAPP2229363998

Site Location Map



A

Matador Resources Barry Miller Booster Station

Eddy County, NM Incident#nAPP2229363998

Confirmation Sample Map



Appendix III

Groundwater Data, Soil Survey, & Wetlands Map



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.) (R=POD has been replaced, O=orphaned, C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest) (NAD83 UTM in meters)

(In feet)

		POD Sub-		o	0	Q	i							,	Vater
POD Number	Code		County					Tws	Rng	X	Y	DistanceDe	epthWellDept		
<u>C 00642</u>		C	ED				19	22S	28E	582220	3582687*	2490	200		
C 01508		C	ED	1	1	4	18	22S	28E	582206	3584195*	2502	180		
C 00052	0	CUB	ED	3	4	4	30	22S	28E	582707	3580371*	3603	208	12	196
<u>C_00213</u>		CUB	ED	1	4	1	32	22S	28E	583517	3579775*	3821	200	35	165
<u>C 00036</u>		CUB	ED	3	3	2	32	22S	28E	583916	3579583*	3917	106		
C 02470 CLW198142	О		ED	4	3	4	24	22S	27E	580901	3581970*	3974	67	36	31
<u>C 03094</u>		C	ED	4	3	1	32	22S	28E	583317	3579567*	4079	138	53	85
<u>C 00294</u>		CUB	ED	3	3	4	24	22S	27E	580701	3581970*	4161	156	15	141
C 00236		C	ED	2	2	3	32	22S	28E	583723	3579372*	4161	80	39	41
<u>C 00209</u>		C	ED	3	2	4	25	22S	27E	581111	3580763*	4393	125		
C 03534 POD1		CUB	ED	4	3	4	03	22S	28E	587240	3586950 🌑	4394	150		
C 03533 POD4		CUB	ED	4	3	4	03	22S	28E	587331	3586892	4404	55		
C 03533 POD3		CUB	ED	3	4	4	03	22S	28E	587370	3586911 🌑	4443	55		
C 03533 POD2		CUB	ED	3	4	4	03	22S	28E	587358	3586935	4454	55		
C 03533 POD1		CUB	ED	3	4	4	03	22S	28E	587377	3586934	4466	55		
<u>C 00627</u>		C	ED			1	13	22S	27E	580178	3584690*	4587	100		
C 00971		C	ED		3	3	13	22S	27E	579981	3583679*	4618	60	18	42
C 04554 POD1		C	ED	4	1	1	13	22S	27E	580167	3584850 🌑	4644	70	18	52
C 00214		CUB	ED	2	3	3	32	22S	28E	583327	3578962*	4655	200		
<u>C 03184</u>		C	ED	2	3	3	32	22S	28E	583327	3578962*	4655	157	30	127
C 01677		C	ED		1	3	13	22S	27E	579979	3584084*	4658	56	20	36
C 02840		CUB	ED	2	3	1	31	22S	28E	581721	3579758*	4671	220		
C 03514 POD1		C	ED	1	3	1	24	22S	27E	579923	3583010	4689	59	31	28
C 01590		C	ED		3	1	13	22S	27E	579977	3584489*	4733	100	40	60
C 04318 POD1		C	ED	1	3	1	24	22S	27E	579847	3582984	4767	79	58	21
C 00770 CLW202385	0	CUB	ED	1	3	4	25	22S	27E	580705	3580551*	4845	210	22	188
<u>C 00770 S</u>		CUB	ED	1	3	4	25	22S	27E	580705	3580551*	4845	210		
<u>C 03040</u>		C	ED	4	3	1	31	22S	28E	582254	3579191	4851	72	42	30
C 02529		C	ED			3	12	22S	27E	580174	3585501*	4875	113	51	62
<u>C 02536</u>		C	ED	4	1	1	25	22S	27E	580088	3581552*	4885	120	20	100
<u>C 00035</u>		CUB	ED	3	3	3	32	22S	28E	583127	3578762*	4904	146		
<u>C 00212</u>		CUB	ED	3	3	3	32	22S	28E	583127	3578762*	4904	146	30	116
C 00212 CLW193874	0	CUB	ED	3	3	3	32	22S	28E	583127	3578762*	4904			

1
Section.
7
~
\sim
-
-
~
· 4
6
-
8
Oi
\sim
9
\sim
1
0
~
in
-
3
01
Pillan
.5
0/
8
na
ma
na
Ima
Ima
ma
to Ima
d to Ima
d to Ima
ed to Ima
sed to Ima
ased to Ima
ased to Ima
ised to Ima

10/24/22, 1:20 PM	nmwrrs.ose.state.nm	.us/Rej	ort	Pro	ху?	'que	yData	=%7B'	report"%3	A"waterColumn"	%2C%0A"Basi	nDiv"%3A	"true"%2C	%0A"Basi	•
<u>C 00836</u>	С	ED	3	1	1	13	22S	27E	579874	3584794*	4908	175	52	123	
<u>C 01722</u>	C	ED	3	1	1	13	22S	27E	579874	3584794*	4908	180	64	116	
C 04588 POD1	CUB	ED	2	2	2	04	23S	28E	586043	3578720 🌑	4939	50			
C 02499	C	ED		l	1	25	22S	27E	579989	3581653*	4939	100	35	65	
<u>C 00770</u>	CUB	ED	3	3	4	25	22S	27E	580705	3580351*	4966	200	44	156	

Average Depth to Water:

34 feet 12 feet

Minimum Depth: Maximum Depth:

64 feet

Record Count: 38

UTMNAD83 Radius Search (in meters):

Easting (X): 584593

Northing (Y): 3583442

Radius: 5000

*UTM location was derived from PLSS - see Help

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

10/24/22 1:18 PM

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)

(quarters are smallest to largest)

(NAD83 UTM in meters)

Well Tag **POD Number**

C 03094

Q64 Q16 Q4 Sec Tws Rng 1 32 22S 28E

X

583317 3579567*

Driller License:

1348

Driller Company:

TAYLOR WATER WELL SERVICE

Driller Name:

Drill Start Date:

11/24/2004

Drill Finish Date:

11/28/2004

Plug Date:

Log File Date:

12/06/2004

PCW Rcv Date:

Source:

Shallow

Pump Type:

6.63

Pipe Discharge Size:

Estimated Yield:

120 GPM

Casing Size:

Depth Well:

138 feet

Depth Water:

53 feet

Water Bearing Stratifications:

84

Top Bottom Description Sandstone/Gravel/Conglomerate

119

118

Sandstone/Gravel/Conglomerate

Casing Perforations:

Top Bottom 78

98 138

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.

10/24/22 1:18 PM

POINT OF DIVERSION SUMMARY

Released to Imaging: 3/30/2023 9:21:17 AM

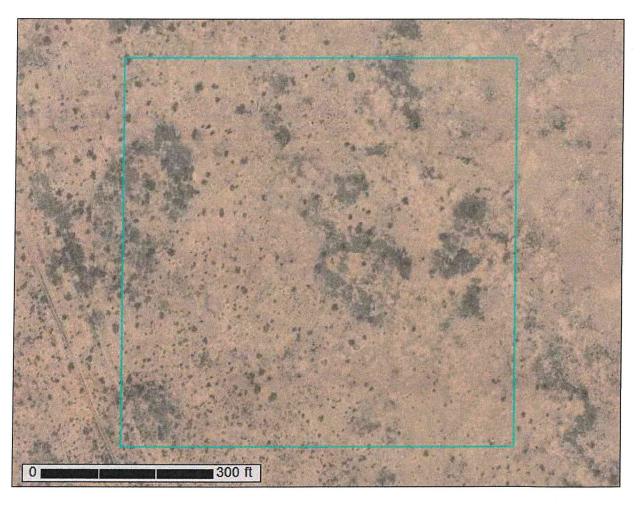
^{*}UTM location was derived from PLSS - see Help



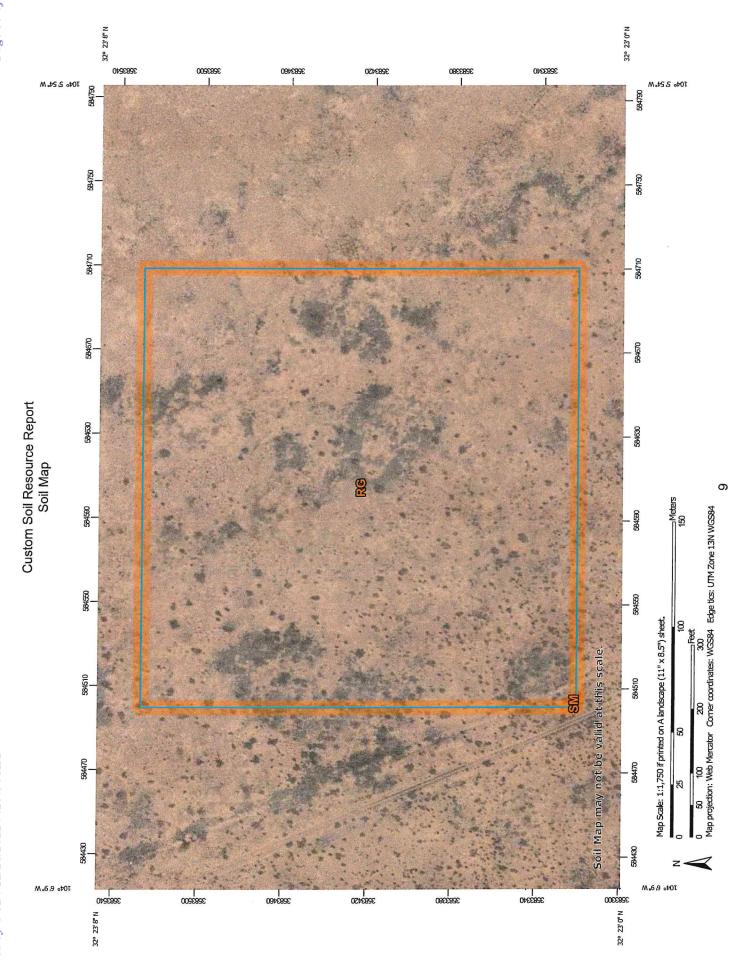
NRCS

Natural Resources Conservation Service A product of the National Cooperative Soil Survey, a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local participants

Custom Soil Resource Report for Eddy Area, New Mexico



Released to Imaging: 3/30/2023 9:21:17 AM



Custom Soil Resource Report

This product is generated from the USDA-NRCS certified data as Maps from the Web Soil Survey are based on the Web Mercator distance and area. A projection that preserves area, such as the contrasting soils that could have been shown at a more detailed Date(s) aerial images were photographed: Feb 27, 2020—Feb 28, 2020 misunderstanding of the detail of mapping and accuracy of soil Enlargement of maps beyond the scale of mapping can cause The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor Soil map units are labeled (as space allows) for map scales projection, which preserves direction and shape but distorts Source of Map: Natural Resources Conservation Service Albers equal-area conic projection, should be used if more line placement. The maps do not show the small areas of The soil surveys that comprise your AOI were mapped at Please rely on the bar scale on each map sheet for map accurate calculations of distance or area are required. Coordinate System: Web Mercator (EPSG:3857) MAP INFORMATION Warning: Soil Map may not be valid at this scale. shifting of map unit boundaries may be evident. Survey Area Data: Version 18, Sep 8, 2022 Soil Survey Area: Eddy Area, New Mexico of the version date(s) listed below. Web Soil Survey URL: 1:50,000 or larger. measurements. 1:20,000. Special Line Features Streams and Canals Interstate Highways Aerial Photography Very Stony Spot Major Roads Local Roads Stony Spot US Routes Spoil Area Wet Spot Other Rails Water Features Transportation Background MAP LEGEND 8 0 ‡ Soil Map Unit Polygons Severely Eroded Spot Area of Interest (AOI) Miscellaneous Water Soil Map Unit Points Soil Map Unit Lines Closed Depression Marsh or swamp Perennial Water Mine or Quarry Special Point Features Rock Outcrop **Gravelly Spot** Sandy Spot Slide or Slip Saline Spot Sodic Spot **Borrow Pit** Lava Flow Clay Spot **Gravel Pit** Area of Interest (AOI) Sinkhole **Blowout** Landfill 9 Soils

Eddy Area, New Mexico

RG—Reeves-Gypsum land complex, 0 to 3 percent slopes

Map Unit Setting

National map unit symbol: 1w5f Elevation: 1,250 to 5,000 feet

Mean annual precipitation: 10 to 25 inches Mean annual air temperature: 57 to 70 degrees F

Frost-free period: 190 to 235 days

Farmland classification: Not prime farmland

Map Unit Composition

Reeves and similar soils: 55 percent

Gypsum land: 30 percent Minor components: 15 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Reeves

Setting

Landform: Ridges, plains, hills

Landform position (two-dimensional): Shoulder, backslope, footslope, toeslope Landform position (three-dimensional): Side slope, head slope, nose slope, crest

Down-slope shape: Convex Across-slope shape: Linear

Parent material: Residuum weathered from gypsum

Typical profile

H1 - 0 to 8 inches: loam H2 - 8 to 32 inches: clay loam

H3 - 32 to 60 inches: gypsiferous material

Properties and qualities

Slope: 0 to 1 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Well drained

Runoff class: High

Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately

low (0.00 to 0.06 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None Frequency of ponding: None

Calcium carbonate, maximum content: 25 percent

Gypsum, maximum content: 80 percent

Maximum salinity: Very slightly saline to moderately saline (2.0 to 8.0 mmhos/cm)

Released to Imaging: 3/30/2023 9:21:17 AM

Sodium adsorption ratio, maximum: 4.0

Available water supply, 0 to 60 inches: Low (about 4.3 inches)

Interpretive groups

Land capability classification (irrigated): 3s Land capability classification (nonirrigated): 7s

Hydrologic Soil Group: B

Ecological site: R070BC007NM - Loamy

Hydric soil rating: No

Custom Soil Resource Report

Description of Gypsum Land

Setting

Landform: Ridges, plains, hills

Landform position (two-dimensional): Shoulder, backslope, footslope, toeslope Landform position (three-dimensional): Side slope, head slope, nose slope, crest

Down-slope shape: Convex Across-slope shape: Linear

Parent material: Residuum weathered from gypsum

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 8s

Hydric soil rating: No

Minor Components

Largo

Percent of map unit: 5 percent

Ecological site: R070BC007NM - Loamy

Hydric soil rating: No

Reagan

Percent of map unit: 5 percent

Ecological site: R070BC007NM - Loamy

Hydric soil rating: No

Cottonwood

Percent of map unit: 5 percent

Ecological site: R070BC033NM - Salty Bottomland

Hydric soil rating: No

SM—Simona-Bippus complex, 0 to 5 percent slopes

Map Unit Setting

National map unit symbol: 1w5x Elevation: 1,800 to 5,000 feet

Mean annual precipitation: 8 to 24 inches

Mean annual air temperature: 57 to 70 degrees F

Frost-free period: 180 to 230 days

Farmland classification: Not prime farmland

Map Unit Composition

Simona and similar soils: 55 percent Bippus and similar soils: 30 percent Minor components: 15 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Released to Imaging: 3/30/2023 9:21:17 AM

Received by OCD: 12/16/2022 9:25:36 AM

Custom Soil Resource Report

Description of Simona

Setting

Landform: Plains, alluvial fans

Landform position (three-dimensional): Rise

Down-slope shape: Convex, linear Across-slope shape: Linear

Parent material: Mixed alluvium and/or eolian sands

Typical profile

H1 - 0 to 19 inches: gravelly fine sandy loam

H2 - 19 to 23 inches: indurated

Properties and qualities

Slope: 0 to 3 percent

Depth to restrictive feature: 7 to 20 inches to petrocalcic

Drainage class: Well drained Runoff class: Very high

Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately

low (0.00 to 0.06 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None Frequency of ponding: None

Calcium carbonate, maximum content: 15 percent

Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)

Sodium adsorption ratio, maximum: 1.0

Available water supply, 0 to 60 inches: Very low (about 2.1 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 7e

Hydrologic Soil Group: D

Ecological site: R070BD002NM - Shallow Sandy

Hydric soil rating: No

Description of Bippus

Setting

Landform: Flood plains, alluvial fans

Landform position (three-dimensional): Talf, rise

Down-slope shape: Convex, linear Across-slope shape: Linear Parent material: Mixed alluvium

Typical profile

H1 - 0 to 37 inches: silty clay loam H2 - 37 to 60 inches: clay loam

Properties and qualities

Slope: 0 to 5 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Well drained Runoff class: Very low

Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high

(0.60 to 2.00 in/hr)

Depth to water table: More than 80 inches Frequency of flooding: OccasionalNone

Custom Soil Resource Report

Frequency of ponding: None

Calcium carbonate, maximum content: 40 percent

Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)

Sodium adsorption ratio, maximum: 1.0

Available water supply, 0 to 60 inches: Moderate (about 8.7 inches)

Interpretive groups

Land capability classification (irrigated): 2e Land capability classification (nonirrigated): 3e

Hydrologic Soil Group: B

Ecological site: R070BC017NM - Bottomland

Hydric soil rating: No

Minor Components

Simona

Percent of map unit: 8 percent

Ecological site: R070BD002NM - Shallow Sandy

Hydric soil rating: No

Bippus

Percent of map unit: 7 percent

Ecological site: R070BC017NM - Bottomland

Hydric soil rating: No

Released to Imaging: 3/30/2023 9:21:17 AM

104°6'21"W 32°23'20"N

Received by OCD: 12/16/2022 9:25:36.4M National Flood Hazard Layer FIRMette



Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT With BFE or Depth Zone AE, AO, AH, VE, AR Without Base Flood Elevation (BFE) Regulatory Floodway SPECIAL FLOOD HAZARD AREAS 0.2% Annual Chance Flood Hazard, Areas depth less than one foot or with drainage areas of less than one square mile zone x of 1% annual chance flood with average Area with Reduced Flood Risk due to Levee. See Notes, Zone X Future Conditions 1% Annual Chance Flood Hazard Zone X

Area with Flood Risk due to Levee Zone D

OTHER AREAS OF FLOOD HAZARD

NO SCREEN Area of Minimal Flood Hazard Zone X

Effective LOMRs

OTHER AREAS

Area of Undetermined Flood Hazard Zone D

- --- Channel, Culvert, or Storm Sewer

GENERAL ---- Channel, Culvert, or Storn STRUCTURES | 1111111 Levee, Dike, or Floodwall

B 20.2 Cross Sections with 1% Annual Chance 17.5 Water Surface Elevation

megrum Base Flood Elevation Line (BFE) u - - - Coastal Transect - Limit of Study

AREA OF MINIMAL ROOD HAZARD

Eddy County 350120

off. 6/4/2010

- Jurisdiction Boundary

--- Coastal Transect Baseline OTHER .

Hydrographic Feature Profile Baseline

No Digital Data Available

Digital Data Available

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

Unmapped

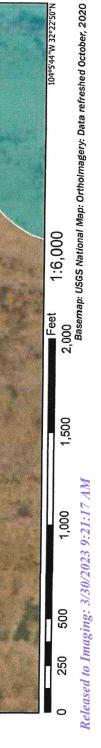
MAP PANELS

This map compiles with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown compiles with FEMA's basemap accuracy standards

authoritative NFHL web services provided by FEMA. This map was exported on 10/24/2022 at 3:29 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or The flood hazard information is derived directly from the become superseded by new data over time.

Zone A

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

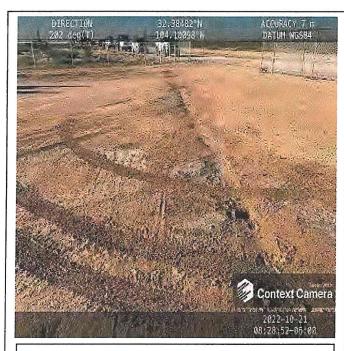




Appendix IV

Photographic Documentation

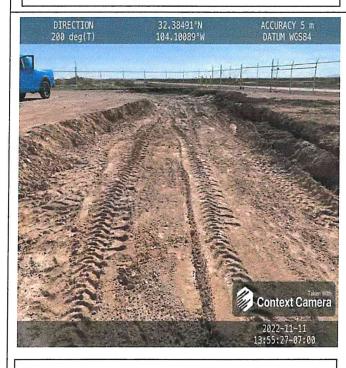




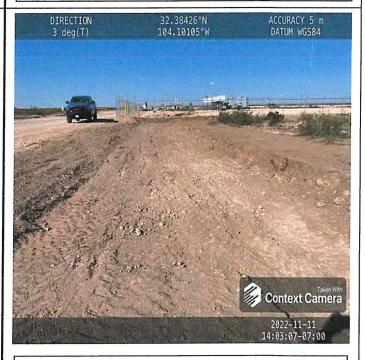
Impacted area on Pad.



Impacted area in Pasture.

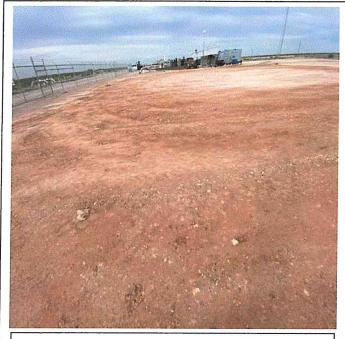


Excavation of Pad area.

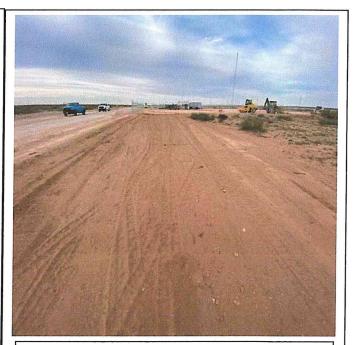


Excavation of Pasture area.





Backfill to grade and compacted pad.



Backfill to grade of pasture area.



Appendix V

Laboratory Data



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

November 02, 2022

James Carnes

R & R Environmental 1505 W. Bullock Ave Artesia, NM 88210 TEL: (575) 616-9340

FAX:

RE: Barry Miller Booster Station

OrderNo.: 2210C50

Dear James Carnes:

Hall Environmental Analysis Laboratory received 7 sample(s) on 10/26/2022 for the analyses presented in the following report.

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

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

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

Sincerely,

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report

Lab Order 2210C50

Date Reported: 11/2/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: R & R Environmental Client Sample ID: S-1 0.5'

Project: Barry Miller Booster Station **Collection Date:** 10/24/2022 9:00:00 AM

Lab ID: 2210C50-001 Matrix: SOIL Received Date: 10/26/2022 7:10:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: NAI
Chloride	150	60	mg/Kg	20	10/31/2022 4:23:08 PM	71179
EPA METHOD 8015M/D: DIESEL RANGE ORG	GANICS				Analyst	DGH
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	10/28/2022 6:43:27 PM	71099
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	10/28/2022 6:43:27 PM	71099
Surr: DNOP	93.6	21-129	%Rec	1	10/28/2022 6:43:27 PM	71099
EPA METHOD 8015D: GASOLINE RANGE					Analyst	CCM
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	10/28/2022 5:06:00 PM	71084
Surr: BFB	98.7	37.7-212	%Rec	1	10/28/2022 5:06:00 PM	71084
EPA METHOD 8021B: VOLATILES					Analyst:	CCM
Benzene	ND	0.025	mg/Kg	1	10/28/2022 5:06:00 PM	71084
Toluene	ND	0.049	mg/Kg	1	10/28/2022 5:06:00 PM	71084
Ethylbenzene	ND	0.049	mg/Kg	1	10/28/2022 5:06:00 PM	71084
Xylenes, Total	ND	0.099	mg/Kg	1	10/28/2022 5:06:00 PM	71084
Surr: 4-Bromofluorobenzene	116	70-130	%Rec	1	10/28/2022 5:06:00 PM	71084

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 Quantitative Limit
 - S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Analytical Report

Lab Order 2210C50

Date Reported: 11/2/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: R & R Environmental

Project: Barry Miller Booster Station

Lab ID: 2210C50-002

Client Sample ID: S-2 0.5'

Collection Date: 10/24/2022 9:05:00 AM

Received Date: 10/26/2022 7:10:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: NAI
Chloride	3100	150	mg/Kg	50	11/1/2022 9:40:53 AM	71179
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst	: DGH
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	10/28/2022 6:54:12 PM	71099
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	10/28/2022 6:54:12 PM	71099
Surr: DNOP	123	21-129	%Rec	1	10/28/2022 6:54:12 PM	71099
EPA METHOD 8015D: GASOLINE RANGE					Analyst	CCM
Gasoline Range Organics (GRO)	ND	4.6	mg/Kg	1	10/28/2022 5:25:00 PM	71084
Surr: BFB	99.9	37.7-212	%Rec	1	10/28/2022 5:25:00 PM	71084
EPA METHOD 8021B: VOLATILES					Analyst	CCM
Benzene	ND	0.023	mg/Kg	1	10/28/2022 5:25:00 PM	71084
Toluene	ND	0.046	mg/Kg	1	10/28/2022 5:25:00 PM	71084
Ethylbenzene	ND	0.046	mg/Kg	1	10/28/2022 5:25:00 PM	71084
Xylenes, Total	ND	0.093	mg/Kg	1	10/28/2022 5:25:00 PM	71084
Surr: 4-Bromofluorobenzene	114	70-130	%Rec	1	10/28/2022 5:25:00 PM	71084

Matrix: SOIL

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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 2 of 11

Analytical Report

Lab Order 2210C50 Date Reported: 11/2/2022

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: S-3 0.5'

CLIENT: R & R Environmental Project: Barry Miller Booster Station Collection Date: 10/24/2022 9:15:00 AM

Lab ID: 2210C50-003 Matrix: SOIL Received Date: 10/26/2022 7:10:00 AM

Analyses	Result	RL Q	ual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: NAI
Chloride	1400	60	mg/Kg	20	10/31/2022 4:47:58 PM	71179
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst	DGH
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	10/28/2022 7:04:55 PM	71099
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	10/28/2022 7:04:55 PM	71099
Surr: DNOP	111	21-129	%Rec	1	10/28/2022 7:04:55 PM	71099
EPA METHOD 8015D: GASOLINE RANGE					Analyst	CCM
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	10/28/2022 5:45:00 PM	71084
Surr: BFB	101	37.7-212	%Rec	1	10/28/2022 5:45:00 PM	71084
EPA METHOD 8021B: VOLATILES					Analyst	CCM
Benzene	ND	0.025	mg/Kg	1	10/28/2022 5:45:00 PM	71084
Toluene	ND	0.050	mg/Kg	1	10/28/2022 5:45:00 PM	71084
Ethylbenzene	ND	0.050	mg/Kg	1	10/28/2022 5:45:00 PM	71084
Xylenes, Total	ND	0.099	mg/Kg	1	10/28/2022 5:45:00 PM	71084
Surr: 4-Bromofluorobenzene	115	70-130	%Rec	1	10/28/2022 5:45:00 PM	71084

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
- Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated.
- Analyte detected in the associated Method Blank
- Above Quantitation Range/Estimated Value
- Analyte detected below quantitation limits
- Sample pH Not In Range
- Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

2210C50-004

Surr: 4-Bromofluorobenzene

Lab ID:

Lab Order **2210C50**Date Reported: **11/2/2022**

10/28/2022 6:05:00 PM

71084

Released to Imaging: 3/30/2023 9:21:17 AM

Analytical Report

Received Date: 10/26/2022 7:10:00 AM

CLIENT: R & R Environmental Client Sample ID: S-4 0.5'

Matrix: SOIL

Project: Barry Miller Booster Station Collection Date: 10/24/2022 9:20:00 AM

DF Date Analyzed Batch Analyses Result **RL Qual Units** Analyst: NAI **EPA METHOD 300.0: ANIONS** 10/31/2022 5:00:22 PM 71179 Chloride 1300 60 mg/Kg 20 **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: DGH Diesel Range Organics (DRO) ND 15 mg/Kg 10/28/2022 7:15:37 PM 71099 Motor Oil Range Organics (MRO) ND 49 mg/Kg 1 10/28/2022 7:15:37 PM 71099 Surr: DNOP 10/28/2022 7:15:37 PM 71099 %Rec 1 92.9 21-129 **EPA METHOD 8015D: GASOLINE RANGE** Analyst: CCM 10/28/2022 6:05:00 PM 71084 Gasoline Range Organics (GRO) ND 4.8 mg/Kg 1 Surr: BFB 10/28/2022 6:05:00 PM 96.4 37.7-212 %Rec 1 **EPA METHOD 8021B: VOLATILES** Analyst: CCM Benzene ND 0.024 mg/Kg 1 10/28/2022 6:05:00 PM 71084 Toluene ND 0.048 1 10/28/2022 6:05:00 PM 71084 mg/Kg Ethylbenzene ND 0.048 1 10/28/2022 6:05:00 PM 71084 mg/Kg 0.097 10/28/2022 6:05:00 PM 71084 Xylenes, Total ND mg/Kg 1

114

70-130

%Rec

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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- Sample pH Not In Range
- RL Reporting Limit

Analytical Report

Lab Order 2210C50

Date Reported: 11/2/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: R & R Environmental

Project: Barry Miller Booster Station

Lab ID: 2210C50-005

Client Sample ID: S-5 0.5'

Collection Date: 10/24/2022 9:30:00 AM

Received Date: 10/26/2022 7:10:00 AM

Analyses	Result	RL Q	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: NAI
Chloride	1300	60	mg/Kg	20	10/31/2022 5:12:46 PM	71179
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst	DGH
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	10/28/2022 7:36:52 PM	71099
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	10/28/2022 7:36:52 PM	71099
Surr: DNOP	85.0	21-129	%Rec	1	10/28/2022 7:36:52 PM	71099
EPA METHOD 8015D: GASOLINE RANGE					Analyst	CCM
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	10/28/2022 6:24:00 PM	71084
Surr: BFB	104	37.7-212	%Rec	1	10/28/2022 6:24:00 PM	71084
EPA METHOD 8021B: VOLATILES					Analyst	ССМ
Benzene	ND	0.024	mg/Kg	1	10/28/2022 6:24:00 PM	71084
Toluene	ND	0.047	mg/Kg	1	10/28/2022 6:24:00 PM	71084
Ethylbenzene	ND	0.047	mg/Kg	1	10/28/2022 6:24:00 PM	71084
Xylenes, Total	ND	0.095	mg/Kg	1	10/28/2022 6:24:00 PM	71084
Surr: 4-Bromofluorobenzene	115	70-130	%Rec	1	10/28/2022 6:24:00 PM	71084

Matrix: SOIL

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
 - % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- Sample pH Not In Range
- RL Reporting Limit

Page 5 of 11

Analytical Report

Lab Order 2210C50 Date Reported: 11/2/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: R & R Environmental

Project: Barry Miller Booster Station

Lab ID: 2210C50-006 Matrix: SOIL

Client Sample ID: S-6 0.5'

Collection Date: 10/24/2022 9:35:00 AM

Received Date: 10/26/2022 7:10:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: NAI
Chloride	2000	60	mg/Kg	20	10/31/2022 5:25:10 PM	71179
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst	:: DGH
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	10/28/2022 7:47:31 PM	71099
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	10/28/2022 7:47:31 PM	71099
Surr: DNOP	85.1	21-129	%Rec	1	10/28/2022 7:47:31 PM	71099
EPA METHOD 8015D: GASOLINE RANGE					Analyst	CCM
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	10/28/2022 6:44:00 PM	71084
Surr: BFB	98.4	37.7-212	%Rec	1	10/28/2022 6:44:00 PM	71084
EPA METHOD 8021B: VOLATILES					Analyst	: CCM
Benzene	ND	0.023	mg/Kg	1	10/28/2022 6:44:00 PM	71084
Toluene	ND	0.047	mg/Kg	1	10/28/2022 6:44:00 PM	71084
Ethylbenzene	ND	0.047	mg/Kg	1	10/28/2022 6:44:00 PM	71084
Xylenes, Total	ND	0.093	mg/Kg	1	10/28/2022 6:44:00 PM	71084
Surr: 4-Bromofluorobenzene	114	70-130	%Rec	1	10/28/2022 6:44:00 PM	71084

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 standard limits. If undiluted results may be estimated.
- Analyte detected in the associated Method Blank
- Above Quantitation Range/Estimated Value
- Analyte detected below quantitation limits
- Sample pH Not In Range
- Reporting Limit

Page 6 of 11

Analytical Report

Lab Order 2210C50

Date Reported: 11/2/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: R & R Environmental

Project: Barry Miller Booster Station

Lab ID: 2210C50-007 Client Sample ID: S-7 0.5'

Collection Date: 10/24/2022 9:40:00 AM

Received Date: 10/26/2022 7:10:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: NAI
Chloride	2000	60	mg/Kg	20	10/31/2022 7:41:39 PM	71186
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst	DGH
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	10/28/2022 7:58:09 PM	71099
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	10/28/2022 7:58:09 PM	71099
Surr: DNOP	77.4	21-129	%Rec	1	10/28/2022 7:58:09 PM	71099
EPA METHOD 8015D: GASOLINE RANGE					Analyst	CCM
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	10/28/2022 7:23:00 PM	71084
Surr: BFB	97.5	37.7-212	%Rec	1	10/28/2022 7:23:00 PM	71084
EPA METHOD 8021B: VOLATILES					Analyst	CCM
Benzene	ND	0.023	mg/Kg	1	10/28/2022 7:23:00 PM	71084
Toluene	ND	0.047	mg/Kg	1	10/28/2022 7:23:00 PM	71084
Ethylbenzene	ND	0.047	mg/Kg	1	10/28/2022 7:23:00 PM	71084
Xylenes, Total	ND	0.094	mg/Kg	1	10/28/2022 7:23:00 PM	71084
Surr: 4-Bromofluorobenzene	114	70-130	%Rec	1	10/28/2022 7:23:00 PM	71084

Matrix: SOIL

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 standard limits. If undiluted results may be estimated.
- Analyte detected in the associated Method Blank
- Above Quantitation Range/Estimated Value
- Analyte detected below quantitation limits
- Sample pH Not In Range
- RL Reporting Limit

Page 7 of 11

OC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#:

2210C50

02-Nov-22

Client:

R & R Environmental

Project:

Barry Miller Booster Station

Result

Sample ID: MB-71179

SampType: mblk

TestCode: EPA Method 300.0: Anions

LowLimit

Client ID:

PBS

Batch ID: 71179

RunNo: 92227

%REC

Prep Date: 10/31/2022 Analysis Date: 10/31/2022 PQL

SeqNo: 3312348

Units: mg/Kg

HighLimit %RPD

RPDLimit Qual

Analyte Chloride

ND 1.5

Sample ID: LCS-71179

SampType: Ics

TestCode: EPA Method 300.0: Anions

Client ID: **LCSS**

Batch ID: 71179

PQL

1.5

RunNo: 92227

95.7

LowLimit

90

110

Prep Date: 10/31/2022 Analysis Date: 10/31/2022

14

Result

SPK value SPK Ref Val %REC

SPK value SPK Ref Val

15.00

15.00

SPK value SPK Ref Val

SeqNo: 3312349

Units: mg/Kg HighLimit

%RPD **RPDLimit**

Qual

Analyte Chloride

Analyte

Sample ID: LCS-71186

SampType: Ics

0

TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 71186

RunNo: 92227

Prep Date: 10/31/2022 Analysis Date: 10/31/2022

SeqNo: 3312379

Units: mg/Kg

%RPD

%RPD

Qual

Chloride

Result PQL 14 1.5

SPK value SPK Ref Val %REC 96.5 0

HighLimit 110 **RPDLimit**

Sample ID: MB-71186 Client ID:

Prep Date:

10/31/2022

SampType: mblk Batch ID: 71186

Analysis Date: 11/1/2022

TestCode: EPA Method 300.0: Anions RunNo: 92252

%REC

SeqNo: 3313631

LowLimit

HighLimit

Units: mg/Kg

RPDLimit Qual

Analyte Chloride

PQL 1.5

Result

ND

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded Not Detected at the Reporting Limit
- Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated.
- В Analyte detected in the associated Method Blank
- Above Quantitation Range/Estimated Value E
- Analyte detected below quantitation limits
- Sample pH Not In Range P Reporting Limit

Page 8 of 11

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 02-Nov-22

2210C50

Client:	R & R Environmental
Project:	Barry Miller Booster Station

Project: Barry N	Ailler Booster Station						
Sample ID: LCS-71099	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics					
Client ID: LCSS	Batch ID: 71099	RunNo: 92135					
Prep Date: 10/26/2022	Analysis Date: 10/27/2022	SeqNo: 3307451 Units: mg/Kg					
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual					
Diesel Range Organics (DRO)	45 15 50.00	0 90.6 64.4 127					
Surr: DNOP	4.9 5.000 98.8 21 129						
Sample ID: MB-71099	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics					
Client ID: PBS	Batch ID: 71099	RunNo: 92135					
Prep Date: 10/26/2022	Analysis Date: 10/27/2022	SeqNo: 3307453 Units: mg/Kg					
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual					
Diesel Range Organics (DRO)	ND 15						
Motor Oil Range Organics (MRO) Surr: DNOP	ND 50 9.4 10.00	93,5 21 129					
Suil. DNOF	3.4 10.00	90,0 21 129					
Sample ID: LCS-71171 SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: LCSS	Batch ID: 71171	RunNo: 92198					
Prep Date: 10/31/2022	Analysis Date: 10/31/2022	SeqNo: 3311075 Units: %Rec					
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual					
Surr: DNOP	4.4 5.000	88.2 21 129					
Sample ID: MB-71171	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics					
Client ID: PBS	Batch ID: 71171	RunNo: 92198					
Prep Date: 10/31/2022	Analysis Date: 10/31/2022	SeqNo: 3311076 Units: %Rec					
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual					
Surr: DNOP	9.0 10.00	90.3 21 129					
Sample ID: LCS-71174	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics					
Client ID: LCSS	Batch ID: 71174	RunNo: 92198					
Prep Date: 10/31/2022	Analysis Date: 10/31/2022	SeqNo: 3312301 Units: %Rec					
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual					
Analyte Surr: DNOP	Result PQL SPK value 5.5 5.000	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual 110 21 129					
Surr: DNOP	5.5 5.000	110 21 129					
Surr: DNOP Sample ID: MB-71174	5.5 5.000 SampType: MBLK	110 21 129 TestCode: EPA Method 8015M/D: Diesel Range Organics					
Surr: DNOP Sample ID: MB-71174 Client ID: PBS	5.5 5.000 SampType: MBLK Batch ID: 71174 Analysis Date: 10/31/2022	TestCode: EPA Method 8015M/D: Diesel Range Organics RunNo: 92198					
Surr: DNOP Sample ID: MB-71174 Client ID: PBS Prep Date: 10/31/2022	5.5 5.000 SampType: MBLK Batch ID: 71174 Analysis Date: 10/31/2022	TestCode: EPA Method 8015M/D: Diesel Range Organics RunNo: 92198 SeqNo: 3312302 Units: %Rec					

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- Sample Diluted Due to Matrix
- Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit
- Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated.
- Analyte detected in the associated Method Blank Above Quantitation Range/Estimated Value
- Analyte detected below quantitation limits
- Sample pH Not In Range
- Reporting Limit

Page 9 of 11

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#:

2210C50

02-Nov-22

Client:

R & R Environmental

Droinct.

Barry Miller Booster Station

Project:	Dairy W	iller Booster								-	
Sample ID	: Ics-71084	SampType: LCS TestCode: EPA Method 8						8015D: Gaso	line Range)	
Client ID:	LCSS	Batch	ID: 71 0	084	RunNo: 92196						
Prep Date:	10/26/2022	Analysis Da	ite: 10	/28/2022	SeqNo: 3310373			Units: mg/Kg			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Ran	ge Organics (GRO)	26	5.0	25.00	0	102	72.3	137			
Surr: BFB		2200		1000		216	37.7	212	-		S
Sample ID: mb-71084 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range											
Client ID:	PBS	Batch I	ID: 71 0	084	RunNo: 92196						
Prep Date:	10/26/2022	Analysis Da	te: 10	/28/2022	SeqNo: 3310374			Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang	ge Organics (GRO)	ND	5.0								
Surr: BFB		970		1000		97.5	37.7	212			
Sample ID:	lcs-71125	SampTy	pe: LC:	S	Tes	Sample ID: Ics-71125 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range					
01: 110					RunNo: 92196						
Client ID:	LCSS	Batch I	D: 711	25	R	RunNo: 92	196				
Prep Date:	LCSS 10/27/2022	Batch I Analysis Da				RunNo: 92 SeqNo: 33		Units: %Rec			
2000-00-00-00-00-00-00-00-00-00-00-00-00		Analysis Da		/29/2022				Units: %Rec	%RPD	RPDLimit	Qual
Prep Date:		Analysis Da	te: 10	/29/2022	S	SeqNo: 33	10421			RPDLimit	Qual S
Prep Date: Analyte Surr: BFB		Analysis Da	te: 10 .	/29/2022 SPK value 1000	SPK Ref Val	SeqNo: 33 %REC 221	LowLimit 37.7	HighLimit	%RPD		

Prep Date:

Surr: BFB

10/27/2022

SPK value SPK Ref Val 1000

Analysis Date: 10/29/2022

Result

1000

SeqNo: 3310422 %REC

102

LowLimit

37.7

Units: %Rec HighLimit

%RPD

RPDLimit Qual

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- Sample Diluted Due to Matrix
- Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit
- Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated.
- Analyte detected in the associated Method Blank B
- Above Quantitation Range/Estimated Value E
- Analyte detected below quantitation limits
- Sample pH Not In Range P

Reporting Limit

Page 10 of 11

Released to Imaging: 3/30/2023 9:21:17 AM

Received by OCD: 12/16/2022 9:25:36 AM

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2210C50 02-Nov-22**

Client:

R & R Environmental

Project: Barry Miller Booster Station

Troject.		TVIIIICI BOOSE										
Sample ID:	Ics-71084	Samp	SampType: LCS TestCode: EPA Method									
Client ID:	LCSS	Batc	h I D: 71 (084	F	RunNo: 9	2196					
Prep Date:	10/26/2022	Analysis [Date: 10	/28/2022	\$	SeqNo: 3310523			Units: mg/Kg			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene		1.2	0.025	1.000	0	118	80	120				
Toluene		1.2	0.050	1.000	0	0 118 80		120				
Ethylbenzene		1.2	0.050	1.000	0	116	80	120				
Xylenes, Total		3.5	0.10	3.000	0	116	80	120				
Surr: 4-Bron	nofluorobenzene	1.1		1.000		113	70	130				
Sample ID:	mb-71084	SampT	SampType: MBLK TestCode: EPA Method					8021B: Volati	les			
Client ID:	PBS	Batch	n ID: 710	184	RunNo: 92196							
Prep Date:	10/26/2022	Analysis D)ate: 10	/28/2022	SeqNo: 3310524			Units: mg/Kg				
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene		ND	0.025									
Toluene		ND	0.050									
Ethylbenzene		ND	0.050									
Xylenes, Total		ND	0.10									
Surr: 4-Bron	nofluorobenzene	1.1		1.000		112	70	130				
Sample ID:	lcs-71125	SampT	ype: LC		Tes	tCode: EP	A Method	8021B: Volati	les			
Client ID:	LCSS	Batch	ID: 711	25	F	RunNo: 92	196					
Prep Date:	10/27/2022	Analysis D	ate: 10/	29/2022	S	SeqNo: 33	10571	Units: %Rec	:			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Surr: 4-Brom	ofluorobenzene	1.2		1.000		121	70	130				
Sample ID:	mb-71125	SampT	ype: MB	LK	Tes	Code: EP	A Method	8021B: Volati	les			
Client ID:	PBS	Batch	ID: 711	25	R	lunNo: 92	196					
Prep Date:	10/27/2022	Analysis D	ate: 10/	29/2022	s	eqNo: 33	10572	Units: %Rec				
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Surr: 4-Brom	ofluorobenzene	1.2		1.000	11 - 110	120	70	130				

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
 - % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 11 of 11

Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

Sample Log-In Check List

Released to Imaging: 3/30/2023 9:21:17 AM

a LABORATOR!	Webs	site: www.hallenv	ironmental.com			
Client Name: R & R Envi	ronmental Work Ord	ler Number: 221	0C50		RcptNo:	: 1
Received By: Juan Roja	s 10/26/2022	7:10:00 AM	4	lang g		
Completed By: Sean Livin	ngston 10/26/2022	7:46:21 AM		< /	not	
	126/22		_).— <i>[</i>	701-	
Chain of Custody						
Is Chain of Custody compl	ete?	Yes	V	No 🗌	Not Present	
2. How was the sample delive	ered?	Cou	rier			
<u>Log In</u>						
3. Was an attempt made to co	ool the samples?	Yes	V	No 🗌	NA 🗌	
4. Were all samples received	at a temperature of >0° C to 6.	0°C Yes	✓	No 🗆	NA 🗆	
5. Sample(s) in proper contain	Yes	V	No 🗆			
6. Sufficient sample volume fo	r indicated test(s)?	Yes	V	No 🗆		
7. Are samples (except VOA a	nd ONG) properly preserved?	Yes	✓	No 🗌		
8. Was preservative added to	bottles?	Yes	n	Vo 🔽	NA 🗆	
9. Received at least 1 vial with	headspace <1/4" for AQ VOA?	Yes		4o 🗆	na 🗹	
10. Were any sample container	's received broken?	Yes		No 🗹 [# of preserved	
11. Does paperwork match bott (Note discrepancies on chai		Yes	V	۱۰ 🗆	bottles checked for pH:	>12 unless noted)
12. Are matrices correctly identi		Yes	✓ N	10 🗆	Adjusted?	<i></i>
13. Is it clear what analyses wer			_	10 🗆	/-	_
14. Were all holding times able	to be met?	Yes	✓ N	10 □	Checked by:	Pa 10.26.2
(If no, notify customer for au						
Special Handling (if appl 15. Was client notified of all dis		Yes		No 🗆	NA 🗹	
Person Notified:		Date:		and the second second		
By Whom:		Via: eMa	il Phone	☐ Fax	☐ In Person	
Regarding:				SHIP FOR CHILD FRANCE		
Client Instructions:					Balance of the action of the committee of the second of th	
16. Additional remarks:						
17. Cooler Information						
Cooler No Temp °C		al No Seal Da	ite Signe	ed By		
1.1	Good					
Dec. 1 - £1						

5	TEIR I	コーち	Chaln-of-Custody Record	I urn-Around Time:	Time:				•	
Slient:	R&R Er	R&R Environmenta		 ∭ Standard		D Bush C-De.			HALL ENVIRONMENTA	
				Project Name:					ANALYSIS LABORATOR	
Nailing Address:	dress:	7	1505 W. Bullock Ave	- Barry Miller F	Ronster Station	c		9	www.hallenvironmental.com	
Artesia, NM 88210	W 88210			Project #:	Project #:		T	4901 F	₹	
hone #:		575.616.9340	.9340					C	Tel. 303-349-3975 Fax 505-345-4107	
mail or Fax#:	3X#:			Project Manager:	der:				Jeoghan die finance	
A/QC Package:	kage:	Ŕ		James Carnes	. v					
Standard	ام		☐ Level 4 (Full Validation)				ပ			
Accreditation:	:uo	□ Az Cor	npliance	Sampler:	100	Si	 			
EDD (Type)	(bd/			# of Coolers:		ON I	0			
				Cooler Temp _{(including CP): 1} ,	including CF):],	2-6.1=1.1	1	ω		
Jate	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	7000	⊢ ω >		
0/24/2022	9:00	Soil		Glass Jar/1	Ice/Cool	0600170	0 ×	-		
0/24/2022	9:05	Soil	S-2 0.5'	Glass Jar/1	Ice/Cool	200,	×	×		
0/24/2022	9:15	Soil	S-3 0.5'	Glass Jar/1	Ice/Cool	500	×	×		
0/24/2022	9:20	Soil	S-4 0.5'	Glass Jar/1	Ice/Cool	760	×	×		
0/24/2022	9:30	Soil	S-5 0.5'	Glass Jar/1	Ice/Cool	\c4	×	×		
0/24/2022	9:35	Soil	S-6 0.5'	Glass Jar/1	Ice/Cool	300	×	+		
0/24/2022	9:40	Soil	S-7 0.5;	Glass Jar/1	Ice/Cool	4	×	×		
								_		
								-		
								-		
ate:	Time:	Relinquished by:	ed by:	Received by:	Via:	Date Time	Rem	arks: Er	Remarks: Email Results to: james.carnes@aol.com	
888		Jugo 4	Phys	almu	m					
ate:	Time:		ed by:	Received by:	Via:	Date Time	1			
77/27	333		MINION -		10007	1000-4 10/2/22 7.10	10			

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



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

OrderNo.: 2211156

November 11, 2022

James Carnes

R & R Environmental 1505 W. Bullock Ave Artesia, NM 88210 TEL: (575) 616-9340

FAX:

RE: Barry Miller

Dear James Carnes:

Hall Environmental Analysis Laboratory received 19 sample(s) on 11/3/2022 for the analyses presented in the following report.

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

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

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

Sincerely,

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report

Lab Order 2211156

11/5/2022 1:24:16 AM

11/5/2022 1:24:16 AM

11/5/2022 1:24:16 AM

11/5/2022 1:24:16 AM

71278

71278

71278

71278

Date Reported: 11/11/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: R & R Environmental

Project: Barry Miller

Lab ID: 2211156-001

Toluene

Ethylbenzene

Xylenes, Total

Surr: 4-Bromofluorobenzene

a 1

0.047

0.047

0.093

70-130

Client Sample ID: S2A 2'

mg/Kg

mg/Kg

mg/Kg

%Rec

Collection Date: 11/2/2022 8:00:00 AM **Received Date:** 11/3/2022 7:30:00 AM

Batch **Analyses** Result RL Qual Units **DF** Date Analyzed Analyst: JTT **EPA METHOD 300.0: ANIONS** 11/7/2022 9:20:32 PM 71352 380 60 Chloride mg/Kg Analyst: DGH **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** 11/4/2022 1:44:12 PM Diesel Range Organics (DRO) 15 71292 mg/Kg 1 11/4/2022 1:44:12 PM 71292 ND 50 1 Motor Oil Range Organics (MRO) mg/Kg 11/4/2022 1:44:12 PM 71292 98.2 21-129 %Rec Analyst: NSB **EPA METHOD 8015D: GASOLINE RANGE** 11/5/2022 1:24:16 AM 71278 Gasoline Range Organics (GRO) ND 4.7 mg/Kg 11/5/2022 1:24:16 AM 71278 Surr: BFB 87.4 %Rec 37.7-212 **EPA METHOD 8021B: VOLATILES** Analyst: NSB 11/5/2022 1:24:16 AM 71278 Benzene ND 0.023 mg/Kg

ND

ND

ND

92.2

Matrix: SOIL

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

Qualifiers:

Value exceeds Maximum Contaminant Level.

Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

POL Practical Quanitative Limit

S % Recovery outside of standard limits. If undiluted results may be estimated.

Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 1 of 26

Analytical Report

Lab Order 2211156

Date Reported: 11/11/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: R & R Environmental

Project: Barry Miller

Lab ID: 2211156-002 Client Sample ID: S3A 2'

Collection Date: 11/2/2022 8:05:00 AM

Received Date: 11/3/2022 7:30:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	: JTT
Chloride	140	60	mg/Kg	20	11/7/2022 9:32:53 PM	71352
EPA METHOD 8015M/D: DIESEL RANGE ORG	GANICS				Analyst	: DGH
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	11/4/2022 1:54:44 PM	71292
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	11/4/2022 1:54:44 PM	71292
Surr: DNOP	103	21-129	%Rec	1	11/4/2022 1:54:44 PM	71292
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	11/5/2022 1:47:37 AM	71278
Surr: BFB	85.9	37.7-212	%Rec	1	11/5/2022 1:47:37 AM	71278
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.024	mg/Kg	1	11/5/2022 1:47:37 AM	71278
Toluene	ND	0.047	mg/Kg	1	11/5/2022 1:47:37 AM	71278
Ethylbenzene	ND	0.047	mg/Kg	1	11/5/2022 1:47:37 AM	71278
Xylenes, Total	ND	0.094	mg/Kg	1	11/5/2022 1:47:37 AM	71278
Surr: 4-Bromofluorobenzene	91.2	70-130	%Rec	1	11/5/2022 1:47:37 AM	71278

Matrix: SOIL

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- Sample Diluted Due to Matrix
- D Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated.
- Analyte detected in the associated Method Blank
- Above Quantitation Range/Estimated Value E
- Analyte detected below quantitation limits
- Sample pH Not In Range
- RL Reporting Limit

Page 2 of 26

Analytical Report

Lab Order 2211156

Date Reported: 11/11/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: R & R Environmental

Project: Barry Miller

Lab ID: 2211156-003

Client Sample ID: S4A 2'

Collection Date: 11/2/2022 8:10:00 AM

Received Date: 11/3/2022 7:30:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JTT
Chloride	930	60	mg/Kg	20	11/7/2022 10:09:55 PM	71352
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst	: DGH
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	11/4/2022 2:05:19 PM	71292
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	11/4/2022 2:05:19 PM	71292
Surr: DNOP	95.8	21-129	%Rec	1	11/4/2022 2:05:19 PM	71292
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	11/5/2022 2:10:56 AM	71278
Surr: BFB	85.9	37.7-212	%Rec	1	11/5/2022 2:10:56 AM	71278
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.024	mg/Kg	1	11/5/2022 2:10:56 AM	71278
Toluene	ND	0.049	mg/Kg	1	11/5/2022 2:10:56 AM	71278
Ethylbenzene	ND	0.049	mg/Kg	1	11/5/2022 2:10:56 AM	71278
Xylenes, Total	ND	0.098	mg/Kg	1	11/5/2022 2:10:56 AM	71278
Surr: 4-Bromofluorobenzene	91.4	70-130	%Rec	1	11/5/2022 2:10:56 AM	71278

Matrix: SOIL

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

D Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

8 % Recovery outside of standard limits. If undiluted results may be estimated.

- Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 3 of 26

•

Released to Imaging: 3/30/2023 9:21:17 AM

Analytical Report

Lab Order 2211156

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 11/11/2022

CLIENT: R & R Environmental Client Sample ID: S5A 2'

 Project:
 Barry Miller
 Collection Date: 11/2/2022 8:15:00 AM

 Lab ID:
 2211156-004
 Matrix: SOIL
 Received Date: 11/3/2022 7:30:00 AM

Analyses	Result	RL	Qual Un	its	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	: JTT
Chloride	270	60	mg	g/Kg	20	11/7/2022 10:22:15 PM	71352
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS					Analyst	DGH
Diesel Range Organics (DRO)	ND	14	mg	J/Kg	1	11/4/2022 2:15:52 PM	71292
Motor Oil Range Organics (MRO)	ND	47	mg	J/Kg	1	11/4/2022 2:15:52 PM	71292
Surr: DNOP	94.2	21-129	%F	Rec	1	11/4/2022 2:15:52 PM	71292
EPA METHOD 8015D: GASOLINE RANGE						Analyst:	NSB
Gasoline Range Organics (GRO)	ND	4.7	mg	ı/Kg	1	11/5/2022 3:20:55 AM	71278
Surr: BFB	84.3	37.7-212	%F	Rec	1	11/5/2022 3:20:55 AM	71278
EPA METHOD 8021B: VOLATILES						Analyst:	NSB
Benzene	ND	0.024	mg	/Kg	1	11/5/2022 3:20:55 AM	71278
Toluene	ND	0.047	mg	/Kg	1	11/5/2022 3:20:55 AM	71278
Ethylbenzene	ND	0.047	mg	/Kg	1	11/5/2022 3:20:55 AM	71278
Xylenes, Total	ND	0.095	mg	/Kg	1	11/5/2022 3:20:55 AM	71278
Surr: 4-Bromofluorobenzene	90.4	70-130	%F	Rec	1	11/5/2022 3:20:55 AM	71278

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 Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Analytical Report

Lab Order 2211156

Date Reported: 11/11/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: R & R Environmental

Project: Barry Miller

Lab ID:

2211156-005

Matrix: SOIL

Client Sample ID: S6A 2'

Collection Date: 11/2/2022 8:20:00 AM Received Date: 11/3/2022 7:30:00 AM

Analyses	Result	RL Q	ual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JTT
Chloride	ND	59	mg/Kg	20	11/7/2022 10:34:36 PM	71352
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst	: DGH
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	11/4/2022 2:26:29 PM	71292
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	11/4/2022 2:26:29 PM	71292
Surr: DNOP	107	21-129	%Rec	1	11/4/2022 2:26:29 PM	71292
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	11/5/2022 3:44:17 AM	71278
Surr: BFB	83.7	37.7-212	%Rec	1	11/5/2022 3:44:17 AM	71278
EPA METHOD 8021B: VOLATILES					Analyst	NSB
Benzene	ND	0.024	mg/Kg	1	11/5/2022 3:44:17 AM	71278
Toluene	ND	0.049	mg/Kg	1	11/5/2022 3:44:17 AM	71278
Ethylbenzene	ND	0.049	mg/Kg	1	11/5/2022 3:44:17 AM	71278
Xylenes, Total	ND	0.097	mg/Kg	1	11/5/2022 3:44:17 AM	71278
Surr: 4-Bromofluorobenzene	88.8	70-130	%Rec	1	11/5/2022 3:44:17 AM	71278

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- Sample Diluted Due to Matrix
- D Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
 - % Recovery outside of standard limits. If undiluted results may be estimated.
- Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- Analyte detected below quantitation limits
- Sample pH Not In Range
- Reporting Limit RL

Page 5 of 26

Analytical Report

Lab Order 2211156

Date Reported: 11/11/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: R & R Environmental

Project: Barry Miller

Lab ID: 2211156-006 Client Sample ID: S7A 2'

Collection Date: 11/2/2022 8:25:00 AM

Received Date: 11/3/2022 7:30:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JTT
Chloride	ND	60	mg/Kg	20	11/7/2022 10:46:57 PM	71352
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst	DGH
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	11/4/2022 2:37:05 PM	71292
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	11/4/2022 2:37:05 PM	71292
Surr: DNOP	99.5	21-129	%Rec	1	11/4/2022 2:37:05 PM	71292
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	11/5/2022 4:07:34 AM	71278
Surr: BFB	86.0	37.7-212	%Rec	1	11/5/2022 4:07:34 AM	71278
EPA METHOD 8021B: VOLATILES					Analyst	NSB
Benzene	ND	0.024	mg/Kg	1	11/5/2022 4:07:34 AM	71278
Toluene	ND	0.048	mg/Kg	1	11/5/2022 4:07:34 AM	71278
Ethylbenzene	ND	0.048	mg/Kg	1	11/5/2022 4:07:34 AM	71278
Xylenes, Total	ND	0.097	mg/Kg	1	11/5/2022 4:07:34 AM	71278
Surr: 4-Bromofluorobenzene	91.0	70-130	%Rec	1	11/5/2022 4:07:34 AM	71278

Matrix: SOIL

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

% Recovery outside of standard limits. If undiluted results may be estimated.

Analyte detected in the associated Method Blank

Above Quantitation Range/Estimated Value

Analyte detected below quantitation limits

Sample pH Not In Range

Reporting Limit RL

Page 6 of 26

Analytical Report

Lab Order 2211156 Date Reported: 11/11/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: R & R Environmental Client Sample ID: S8A 2'

Collection Date: 11/2/2022 8:30:00 AM **Project:** Barry Miller Received Date: 11/3/2022 7:30:00 AM Lab ID: 2211156-007 Matrix: SOIL

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: JTT
Chloride	280	60	mg/Kg	20	11/7/2022 10:59:17 PM	71352
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analys	: DGH
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	11/4/2022 2:47:42 PM	71292
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	11/4/2022 2:47:42 PM	71292
Surr: DNOP	94.0	21-129	%Rec	1	11/4/2022 2:47:42 PM	71292
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	11/5/2022 4:30:48 AM	71278
Surr: BFB	83.5	37.7-212	%Rec	1	11/5/2022 4:30:48 AM	71278
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.024	mg/Kg	1	11/5/2022 4:30:48 AM	71278
Toluene	ND	0.048	mg/Kg	1	11/5/2022 4:30:48 AM	71278
Ethylbenzene	ND	0.048	mg/Kg	1	11/5/2022 4:30:48 AM	71278
Xylenes, Total	ND	0.095	mg/Kg	1	11/5/2022 4:30:48 AM	71278
Surr: 4-Bromofluorobenzene	89.6	70-130	%Rec	1	11/5/2022 4:30:48 AM	71278

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
- Holding times for preparation or analysis exceeded Н
- ND Not Detected at the Reporting Limit
- Practical Quanitative Limit PQL
- % Recovery outside of standard limits. If undiluted results may be estimated.
- Analyte detected in the associated Method Blank
- Above Quantitation Range/Estimated Value
- Analyte detected below quantitation limits
- Sample pH Not In Range
- RL Reporting Limit

Page 7 of 26

Analytical Report

Lab Order 2211156

Date Reported: 11/11/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: R & R Environmental

Project: Barry Miller

Lab ID: 2211156-008 Matrix: SOIL

Client Sample ID: S9A 2'

Collection Date: 11/2/2022 8:35:00 AM Received Date: 11/3/2022 7:30:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JTT
Chloride	180	60	mg/Kg	20	11/7/2022 11:11:38 PM	71352
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst	: DGH
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	11/4/2022 2:58:20 PM	71292
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	11/4/2022 2:58:20 PM	71292
Surr: DNOP	104	21-129	%Rec	1	11/4/2022 2:58:20 PM	71292
EPA METHOD 8015D: GASOLINE RANGE			*		Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	11/5/2022 4:54:01 AM	71278
Surr: BFB	83.5	37.7-212	%Rec	1	11/5/2022 4:54:01 AM	71278
EPA METHOD 8021B: VOLATILES					Analyst	NSB
Benzene	ND	0.024	mg/Kg	1	11/5/2022 4:54:01 AM	71278
Toluene	ND	0.049	mg/Kg	1	11/5/2022 4:54:01 AM	71278
Ethylbenzene	ND	0.049	mg/Kg	1	11/5/2022 4:54:01 AM	71278
Xylenes, Total	ND	0.098	mg/Kg	1	11/5/2022 4:54:01 AM	71278
Surr: 4-Bromofluorobenzene	89.2	70-130	%Rec	1	11/5/2022 4:54:01 AM	71278

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- Sample Diluted Due to Matrix
- D Н Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit ND
- PQL Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated.
- Analyte detected in the associated Method Blank
- Above Quantitation Range/Estimated Value
- Analyte detected below quantitation limits
- Sample pH Not In Range
- RL

Page 8 of 26

Analytical Report

Lab Order 2211156

Date Reported: 11/11/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: R & R Environmental

Project: Barry Miller

Lab ID: 2211156-009

Client Sample ID: S10A 2'

Collection Date: 11/2/2022 8:40:00 AM

Received Date: 11/3/2022 7:30:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analysi	: JTT
Chloride	160	60	mg/Kg	20	11/8/2022 11:23:59 AM	71360
EPA METHOD 8015M/D: DIESEL RANGE OF	RGANICS				Analyst	: DGH
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	11/4/2022 3:08:58 PM	71292
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	11/4/2022 3:08:58 PM	71292
Surr: DNOP	96.8	21-129	%Rec	1	11/4/2022 3:08:58 PM	71292
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	11/5/2022 5:17:16 AM	71278
Surr: BFB	81.9	37.7-212	%Rec	1	11/5/2022 5:17:16 AM	71278
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.024	mg/Kg	1	11/5/2022 5:17:16 AM	71278
Toluene	ND	0.049	mg/Kg	1	11/5/2022 5:17:16 AM	71278
Ethylbenzene	ND	0.049	mg/Kg	1	11/5/2022 5:17:16 AM	71278
Xylenes, Total	ND	0.097	mg/Kg	1	11/5/2022 5:17:16 AM	71278
Surr: 4-Bromofluorobenzene	88.1	70-130	%Rec	1	11/5/2022 5:17:16 AM	71278

Matrix: SOIL

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
 - 8 % Recovery outside of standard limits. If undiluted results may be estimated.
- Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 9 of 26

Analytical Report

Lab Order 2211156

Date Reported: 11/11/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: R & R Environmental

Project: Barry Miller

Lab ID: 2211156-010

Matrix: SOIL

Client Sample ID: S11A 2'

Collection Date: 11/2/2022 8:45:00 AM

Received Date: 11/3/2022 7:30:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: JTT
Chloride	450	60	mg/Kg	20	11/8/2022 12:01:01 PM	71360
EPA METHOD 8015M/D: DIESEL RANGE OI	RGANICS				Analys	: DGH
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	11/4/2022 3:19:47 PM	71292
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	11/4/2022 3:19:47 PM	71292
Surr: DNOP	99.2	21-129	%Rec	1	11/4/2022 3:19:47 PM	71292
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	11/5/2022 5:40:28 AM	71278
Surr: BFB	84.4	37.7-212	%Rec	1	11/5/2022 5:40:28 AM	71278
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.025	mg/Kg	1	11/5/2022 5:40:28 AM	71278
Toluene	ND	0.049	mg/Kg	1	11/5/2022 5:40:28 AM	71278
Ethylbenzene	ND	0.049	mg/Kg	1	11/5/2022 5:40:28 AM	71278
Xylenes, Total	ND	0.099	mg/Kg	1	11/5/2022 5:40:28 AM	71278
Surr: 4-Bromofluorobenzene	89.4	70-130	%Rec	1	11/5/2022 5:40:28 AM	71278

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

D Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of standard limits. If undiluted results may be estimated.

Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 10 of 26

Analytical Report

Lab Order 2211156

Date Reported: 11/11/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: R & R Environmental Client Sample ID: S12A 2'

Collection Date: 11/2/2022 8:50:00 AM Project: Barry Miller Lab ID: Matrix: SOIL Received Date: 11/3/2022 7:30:00 AM 2211156-011

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPÁ METHOD 300.0: ANIONS					Analyst	: JTT
Chloride	180	60	mg/Kg	20	11/8/2022 12:38:04 PM	71360
EPA METHOD 8015M/D: DIESEL RANGE OF	RGANICS				Analyst	: DGH
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	11/4/2022 3:30:38 PM	71292
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	11/4/2022 3:30:38 PM	71292
Surr: DNOP	86.4	21-129	%Rec	1	11/4/2022 3:30:38 PM	71292
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	11/5/2022 6:03:41 AM	71278
Surr: BFB	84.2	37.7-212	%Rec	1	11/5/2022 6:03:41 AM	71278
EPA METHOD 8021B: VOLATILES					Analyst	NSB
Benzene	ND	0.023	mg/Kg	1	11/5/2022 6:03:41 AM	71278
Toluene	ND	0.047	mg/Kg	1	11/5/2022 6:03:41 AM	71278
Ethylbenzene	ND	0.047	mg/Kg	1	11/5/2022 6:03:41 AM	71278
Xylenes, Total	ND	0.093	mg/Kg	1	11/5/2022 6:03:41 AM	71278
Surr: 4-Bromofluorobenzene	89.8	70-130	%Rec	1	11/5/2022 6:03:41 AM	71278

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- Sample Diluted Due to Matrix
- D Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated.
- Analyte detected in the associated Method Blank
- Above Quantitation Range/Estimated Value
- Analyte detected below quantitation limits
- Sample pH Not In Range
- RL Reporting Limit

Page 11 of 26

Analytical Report

Lab Order 2211156

Date Reported: 11/11/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: R & R Environmental Client Sample ID: S13A 2'

 Project:
 Barry Miller
 Collection Date: 11/2/2022 8:55:00 AM

 Lab ID:
 2211156-012
 Matrix: SOIL
 Received Date: 11/3/2022 7:30:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: JTT
Chloride	340	60	mg/Kg	20	11/8/2022 1:15:05 PM	71360
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst	: DGH
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	11/4/2022 3:41:26 PM	71292
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	11/4/2022 3:41:26 PM	71292
Surr: DNOP	81.5	21-129	%Rec	1	11/4/2022 3:41:26 PM	71292
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	11/5/2022 6:26:56 AM	71278
Surr: BFB	84.2	37.7-212	%Rec	1	11/5/2022 6:26:56 AM	71278
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.024	mg/Kg	1	11/5/2022 6:26:56 AM	71278
Toluene	ND	0.048	mg/Kg	1	11/5/2022 6:26:56 AM	71278
Ethylbenzene	ND	0.048	mg/Kg	1	11/5/2022 6:26:56 AM	71278
Xylenes, Total	ND	0.096	mg/Kg	1	11/5/2022 6:26:56 AM	71278
Surr: 4-Bromofluorobenzene	89.6	70-130	%Rec	1	11/5/2022 6:26:56 AM	71278

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 standard limits. If undiluted results may be estimated.
- Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 12 of 26

Analytical Report

Lab Order 2211156

Date Reported: 11/11/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: R & R Environmental Client Sample ID: S14A 2'

Project: Barry Miller Collection Date: 11/2/2022 9:00:00 AM Lab ID: 2211156-013 Matrix: SOIL Received Date: 11/3/2022 7:30:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: JTT
Chloride	ND	60	mg/Kg	20	11/8/2022 1:27:27 PM	71360
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analys	: DGH
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	11/4/2022 3:52:13 PM	71292
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	11/4/2022 3:52:13 PM	71292
Surr: DNOP	88.2	21-129	%Rec	1	11/4/2022 3:52:13 PM	71292
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	11/5/2022 6:50:10 AM	71278
Surr: BFB	84.2	37.7-212	%Rec	1	11/5/2022 6:50:10 AM	71278
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.024	mg/Kg	1	11/5/2022 6:50:10 AM	71278
Toluene	ND	0.048	mg/Kg	1	11/5/2022 6:50:10 AM	71278
Ethylbenzene	ND	0.048	mg/Kg	1	11/5/2022 6:50:10 AM	71278
Xylenes, Total	ND	0.096	mg/Kg	1	11/5/2022 6:50:10 AM	71278
Surr: 4-Bromofluorobenzene	89.1	70-130	%Rec	1	11/5/2022 6:50:10 AM	71278

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
- Practical Quanitative Limit PQL
- % Recovery outside of standard limits. If undiluted results may be estimated.
- Analyte detected in the associated Method Blank
- Above Quantitation Range/Estimated Value
- Analyte detected below quantitation limits
- Sample pH Not In Range
- Reporting Limit RL

Page 13 of 26

Analytical Report

Lab Order 2211156

Date Reported: 11/11/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: R & R Environmental

Project: Barry Miller

Lab ID: 2211156-014

Matrix: SOIL

Client Sample ID: S15A 2'

Collection Date: 11/2/2022 9:05:00 AM **Received Date:** 11/3/2022 7:30:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: JTT
Chloride	ND	60	mg/Kg	20	11/8/2022 1:39:48 PM	71360
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analys	t: DGH
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	11/7/2022 11:44:13 PM	71298
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	11/7/2022 11:44:13 PM	71298
Surr: DNOP	108	21-129	%Rec	1	11/7/2022 11:44:13 PM	71298
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: CCM
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	11/7/2022 10:39:00 AM	71295
Surr: BFB	104	37.7-212	%Rec	1	11/7/2022 10:39:00 AM	71295
EPA METHOD 8021B: VOLATILES					Analys	: CCM
Benzene	ND	0.024	mg/Kg	1	11/7/2022 10:39:00 AM	71295
Toluene	ND	0.048	mg/Kg	1	11/7/2022 10:39:00 AM	71295
Ethylbenzene	ND	0.048	mg/Kg	1	11/7/2022 10:39:00 AM	71295
Xylenes, Total	ND	0.095	mg/Kg	1	11/7/2022 10:39:00 AM	71295
Surr: 4-Bromofluorobenzene	114	70-130	%Rec	1	11/7/2022 10:39:00 AM	71295

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 14 of 26

Analytical Report

Lab Order 2211156

Date Reported: 11/11/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: R & R Environmental Client Sample ID: S16A 2'

Project: Barry Miller Collection Date: 11/2/2022 9:10:00 AM Lab ID: 2211156-015 Matrix: SOIL Received Date: 11/3/2022 7:30:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed B	Batch
EPA METHOD 300.0: ANIONS					Analyst: J	JTT
Chloride	700	60	mg/Kg	20	11/8/2022 1:52:09 PM 7	71360
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst: D)GH
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	11/8/2022 12:15:57 AM 7	71298
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	11/8/2022 12:15:57 AM 7	71298
Surr: DNOP	82.5	21-129	%Rec	1	11/8/2022 12:15:57 AM 7	71298
EPA METHOD 8015D: GASOLINE RANGE					Analyst: C	CM
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	11/7/2022 11:39:00 AM 7	1295
Surr: BFB	101	37.7-212	%Rec	1	11/7/2022 11:39:00 AM 7	1295
EPA METHOD 8021B: VOLATILES					Analyst: C	СМ
Benzene	ND	0.025	mg/Kg	1	11/7/2022 11:39:00 AM 7	1295
Toluene	ND	0.049	mg/Kg	1	11/7/2022 11:39:00 AM 7	1295
Ethylbenzene	ND	0.049	mg/Kg	1	11/7/2022 11:39:00 AM 7	1295
Xylenes, Total	ND	0.098	mg/Kg	1	11/7/2022 11:39:00 AM 7	1295
Surr: 4-Bromofluorobenzene	114	70-130	%Rec	1	11/7/2022 11:39:00 AM 7	1295

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
- Holding times for preparation or analysis exceeded Н
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated.
- Analyte detected in the associated Method Blank
- Above Quantitation Range/Estimated Value
- Analyte detected below quantitation limits
- Sample pH Not In Range Reporting Limit
- RL

Page 15 of 26

Analytical Report

Lab Order 2211156

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 11/11/2022

CLIENT: R & R Environmental

Project: Barry Miller

Lab ID:

2211156-016

Matrix: SOIL

Client Sample ID: S17A 2'

Collection Date: 11/2/2022 9:15:00 AM **Received Date:** 11/3/2022 7:30:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: JTT
Chloride	250	59	mg/Kg	20	11/8/2022 2:04:30 PM	71360
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analys	t: DGH
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	11/8/2022 12:26:33 AM	71298
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	11/8/2022 12:26:33 AM	71298
Surr: DNOP	88.2	21-129	%Rec	1	11/8/2022 12:26:33 AM	71298
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: CCM
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	11/7/2022 12:38:00 PM	71295
Surr: BFB	91.3	37.7-212	%Rec	1	11/7/2022 12:38:00 PM	71295
EPA METHOD 8021B: VOLATILES					Analys	t: CCM
Benzene	ND	0.024	mg/Kg	1	11/7/2022 12:38:00 PM	71295
Toluene	ND	0.049	mg/Kg	1	11/7/2022 12:38:00 PM	71295
Ethylbenzene	ND	0.049	mg/Kg	1	11/7/2022 12:38:00 PM	71295
Xylenes, Total	ND	0.097	mg/Kg	1	11/7/2022 12:38:00 PM	71295
Surr: 4-Bromofluorobenzene	106	70-130	%Rec	1	11/7/2022 12:38:00 PM	71295

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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 16 of 26

Analytical Report

Lab Order 2211156

Date Reported: 11/11/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: R & R Environmental Client Sample ID: S18A 2'

 Project:
 Barry Miller
 Collection Date: 11/2/2022 9:00:00 AM

 Lab ID:
 2211156-017
 Matrix: SOIL
 Received Date: 11/3/2022 7:30:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	:: JTT
Chloride	310	60	mg/Kg	20	11/8/2022 2:16:50 PM	71360
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst	: DGH
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	11/8/2022 12:37:11 AM	71298
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	11/8/2022 12:37:11 AM	71298
Surr: DNOP	91.7	21-129	%Rec	1	11/8/2022 12:37:11 AM	71298
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: CCM
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	11/7/2022 12:57:00 PM	71295
Surr: BFB	96.4	37.7-212	%Rec	1	11/7/2022 12:57:00 PM	71295
EPA METHOD 8021B: VOLATILES					Analyst	CCM
Benzene	ND	0.024	mg/Kg	1	11/7/2022 12:57:00 PM	71295
Toluene	ND	0.049	mg/Kg	1	11/7/2022 12:57:00 PM	71295
Ethylbenzene	ND	0.049	mg/Kg	1	11/7/2022 12:57:00 PM	71295
Xylenes, Total	ND	0.098	mg/Kg	1	11/7/2022 12:57:00 PM	71295
Surr: 4-Bromofluorobenzene	108	70-130	%Rec	1	11/7/2022 12:57:00 PM	71295

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 17 of 26

Analytical Report

Lab Order 2211156

Date Reported: 11/11/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: R & R Environmental Client Sample ID: S19A 2'

 Project:
 Barry Miller
 Collection Date: 11/2/2022 9:25:00 AM

 Lab ID:
 2211156-018
 Matrix: SOIL
 Received Date: 11/3/2022 7:30:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	: JTT
Chloride	660	60	mg/Kg	20	11/8/2022 2:29:11 PM	71360
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analys	: DGH
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	11/8/2022 12:47:48 AM	71298
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	11/8/2022 12:47:48 AM	71298
Surr: DNOP	92.1	21-129	%Rec	1	11/8/2022 12:47:48 AM	71298
EPA METHOD 8015D: GASOLINE RANGE					Analys	: CCM
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	11/7/2022 1:17:00 PM	71295
Surr: BFB	96.7	37.7-212	%Rec	1	11/7/2022 1:17:00 PM	71295
EPA METHOD 8021B: VOLATILES					Analyst	: CCM
Benzene	ND	0.024	mg/Kg	1	11/7/2022 1:17:00 PM	71295
Toluene	ND	0.048	mg/Kg	1	11/7/2022 1:17:00 PM	71295
Ethylbenzene	ND	0.048	mg/Kg	1	11/7/2022 1:17:00 PM	71295
Xylenes, Total	ND	0.096	mg/Kg	1	11/7/2022 1:17:00 PM	71295
Surr: 4-Bromofluorobenzene	111	70-130	%Rec	1	11/7/2022 1:17:00 PM	71295

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 Quantitative Limit
 - % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 18 of 26

Analytical Report

Lab Order 2211156

Date Reported: 11/11/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: R & R Environmental Client Sample ID: S20A 2'

 Project:
 Barry Miller
 Collection Date: 11/2/2022 9:30:00 AM

 Lab ID:
 2211156-019
 Matrix: SOIL
 Received Date: 11/3/2022 7:30:00 AM

Analyses Result **RL Qual Units DF** Date Analyzed Batch Analyst: JTT **EPA METHOD 300.0: ANIONS** 370 60 11/8/2022 2:41:32 PM 71360 Chloride mg/Kg Analyst: DGH **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** 11/8/2022 12:58:26 AM 71298 Diesel Range Organics (DRO) 14 mg/Kg 1 11/8/2022 12:58:26 AM 71298 Motor Oil Range Organics (MRO) ND 46 1 mg/Kg 90.4 21-129 %Rec 11/8/2022 12:58:26 AM 71298 Analyst: CCM **EPA METHOD 8015D: GASOLINE RANGE** 11/7/2022 1:37:00 PM 71295 Gasoline Range Organics (GRO) ND 4.7 mg/Kg 1 11/7/2022 1:37:00 PM 71295 Surr: BFB 99.6 37.7-212 %Rec 1 **EPA METHOD 8021B: VOLATILES** Analyst: CCM 11/7/2022 1:37:00 PM 71295 ND 0.024 Benzene mg/Kg 0.047 mg/Kg 11/7/2022 1:37:00 PM 71295 Toluene ND 0.047 11/7/2022 1:37:00 PM 71295 Ethylbenzene ND mg/Kg Xylenes, Total ND 0.095 mg/Kg 11/7/2022 1:37:00 PM 71295 Surr: 4-Bromofluorobenzene 11/7/2022 1:37:00 PM 71295 109 70-130 %Rec

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 19 of 26

Client:

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

R & R Environmental

Project: Barry Miller

Sample ID: MB-71352	SampType: MBLK TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 71352	RunNo: 92399							
Prep Date: 11/7/2022	Analysis Date: 11/7/2022	SeqNo: 3320666 Units: mg/Kg							
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual							
Chloride	ND 1.5								
Sample ID: LCS-71352	SampType: LCS	TestCode: EPA Method 300,0: Anions							
Client ID: LCSS	Batch ID: 71352	Batch ID: 71352 RunNo: 92399							
i									

1 302001 1 400			ID: 713	, U.		RunNo: 92	.000				
Prep Date:	11/7/2022	Analysis D	ate: 11	/7/2022	8	SeqNo: 33	320667	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		15	1.5	15.00	0	99.5	90	110			

Sample ID: MB-71360	SampTy	pe: MB	LK	Tes	tCode: El					
Client ID: PBS	Batch	ID: 713	60	F	RunNo: 92	2424				
Prep Date: 11/8/2022	Analysis Da	ate: 11	/8/2022	5	SeqNo: 3	321854	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID:	LCS-71360	SampT	ype: LC	S	Tes	tCode: Ef	PA Method	300.0: Anions	3			
Client ID:	LCSS	Batch	ID: 713	360	F	RunNo: 92	2424					
Prep Date:	11/8/2022	Analysis D	ate: 11	/8/2022		SeqNo: 3	321855	Units: mg/K	g			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Chlorido		1/	1.5	15.00	0	93.9	90	110				

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- Sample Diluted Due to Matrix
- Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit
- Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated.
- Analyte detected in the associated Method Blank
- Above Quantitation Range/Estimated Value
- Analyte detected below quantitation limits
- Sample pH Not In Range
- Reporting Limit

WO#:

2211156

11-Nov-22

Hall Environmental Analysis Laboratory, Inc.

Client:

R & R Environmental

Project:

Barry Miller

Project: Barry M	iller								
Sample ID: LCS-71292	SampType	: LCS	Te	stCode: EF	PA Method	8015M/D: Die	sel Range	Organics	
Client ID: LCSS	Batch ID	71292		RunNo: 92	2341				
Prep Date: 11/3/2022	Analysis Date:	11/4/2022		SeqNo: 33	318007	Units: mg/k	(g		
Analyte	Result P	QL SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	44	15 50.00	0	87.5	64.4	127		***************************************	
Surr: DNOP	5.1	5.000		102	21	129			
Sample ID: MB-71292	SampType	: MBLK	Tes	stCode: EF	A Method	8015M/D: Die	sel Range	Organics	
Client ID: PBS	Batch ID:	71292		RunNo: 92	2341				
Prep Date: 11/3/2022	Analysis Date:	11/4/2022		SeqNo: 33	18008	Units: mg/K	(g		
Analyte	Result Po	QL SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	15							
Motor Oil Range Organics (MRO)	ND 40	50		404	24	129			
Surr: DNOP	10	10.00		104	21	129			
Sample ID: 2211156-014AMS	SampType	MS	Tes	stCode: EP	A Method	8015M/D: Die	sel Range	Organics	
Client ID: S15A 2'	Batch ID:	71298	1	RunNo: 92	379				
Prep Date: 11/4/2022	Analysis Date:	11/7/2022		SeqNo: 33	20971	Units: mg/K	(g		
Analyte	Result Po	QL SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	49	15 49.46	0	98.5	36.1	154			
Surr: DNOP	5.7	4.946		115	21	129			
Sample ID: 2211156-014AMSD	SampType:	MSD	Tes	stCode: EP	A Method	8015M/D: Die	sel Range	Organics	
Client ID: S15A 2'	Batch ID:	71298	F	RunNo: 92	379				
Prep Date: 11/4/2022	Analysis Date:	11/8/2022	;	SeqNo: 33	20972	Units: mg/K	g		
Analyte	Result PO	QL SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	43	15 49.26	0	87.0	36.1	154	12.8	33.9	
Surr: DNOP	5.0	4.926		101	21	129	0	0	
Sample ID: LCS-71298	SampType:	LCS	Tes	tCode: EP	A Method	8015M/D: Die	sel Range	Organics	
Client ID: LCSS	Batch ID:	71298	F	RunNo: 92	379				
Prep Date: 11/4/2022	Analysis Date:	11/7/2022	\$	SeqNo: 33	20993	Units: mg/K	g		
Analyte	Result PC	QL SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	49	15 50.00	0	97.6	64.4	127			
Surr: DNOP	5.8	5.000		117	21	129			

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- NO Not Detected at the Reporting Limit
- QL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Released to Imaging: 3/30/2023 9:21:17 AM

WO#:

2211156

11-Nov-22

Received by OCD: 12/16/2022 9:25:36 AM

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#:

2211156

11-Nov-22

Client:

R & R Environmental

Project:

Barry Miller

Sample ID: MB-71298	SampT	ype: ME	BLK	Tes	tCode: EF	A Method	8015M/D: Die	sel Range	Organics	
Client ID: PBS	Batcl	ID: 712	298	F	RunNo: 92	2379				
Prep Date: 11/4/2022	Analysis D	ate: 11	/7/2022		SeqNo: 33	320995	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	15								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	10		10.00		103	21	129			

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- Sample Diluted Due to Matrix
- Holding times for preparation or analysis exceeded Not Detected at the Reporting Limit
- Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated.
- Analyte detected in the associated Method Blank
- Above Quantitation Range/Estimated Value
- Analyte detected below quantitation limits
- Sample pH Not In Range
- Reporting Limit

Page 22 of 26

Hall Environmental Analysis Laboratory, Inc.

WO#:

2211156

11-Nov-22

Client:

R & R Environmental

Project: Barry M	iller			
Sample ID: mb-71278	SampType: MBLK	TestCode: EPA Method	8015D: Gasoline Range	
Client ID: PBS	Batch ID: 71278	RunNo: 92355		
Prep Date: 11/3/2022	Analysis Date: 11/4/2022	SeqNo: 3318918	Units: mg/Kg	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Gasoline Range Organics (GRO) Surr: BFB	ND 5.0 870 1000	87.3 37.7	212	
Sample ID: Ics-71278	SampType: LCS	TestCode: EPA Method	8015D: Gasoline Range	
Client ID: LCSS	Batch ID: 71278	RunNo: 92355		
Prep Date: 11/3/2022	Analysis Date: 11/4/2022	SeqNo: 3318919	Units: mg/Kg	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Gasoline Range Organics (GRO)	24 5.0 25.00	0 96.7 72.3		
Surr: BFB	1900 1000	187 37.7	212	
Sample ID: Ics-71295	SampType: LCS	TestCode: EPA Method	8015D: Gasoline Range	
Client ID: LCSS	Batch ID: 71295	RunNo: 92401		
Prep Date: 11/4/2022	Analysis Date: 11/7/2022	SeqNo: 3320729	Units: mg/Kg	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Gasoline Range Organics (GRO)	23 5.0 25.00	0 93.3 72.3	137	
Surr: BFB	2100 1000	206 37.7	212	
Sample ID: mb-71295	SampType: MBLK	TestCode: EPA Method	8015D: Gasoline Range	
Client ID: PBS	Batch ID: 71295	RunNo: 92401		
Prep Date: 11/4/2022	Analysis Date: 11/7/2022	SeqNo: 3320730	Units: mg/Kg	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Gasoline Range Organics (GRO)	ND 5.0			
Surr: BFB	1500 1000	149 37.7	212	
Sample ID: 2211156-014ams	SampType: MS	TestCode: EPA Method	8015D: Gasoline Range	
Client ID: S15A 2'	Batch ID: 71295	RunNo: 92401		
Prep Date: 11/4/2022	Analysis Date: 11/7/2022	SeqNo: 3320732	Units: mg/Kg	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Gasoline Range Organics (GRO)	23 4.9 24.49	0 93.2 70	130	
Surr: BFB	2100 979.4	217 37.7	212	S
Sample ID: 2211156-014amsd	SampType: MSD	TestCode: EPA Method	8015D: Gasoline Range	
Client ID: S15A 2'	Batch ID: 71295	RunNo: 92401		
Prep Date: 11/4/2022	Analysis Date: 11/7/2022	SeqNo: 3320733	Units: mg/Kg	

Qualifiers:

Analyte

Received by OCD: 12/16/2022 9:25:36 AM

- Value exceeds Maximum Contaminant Level.
- Sample Diluted Due to Matrix
- Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit
- Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated.

PQL

Result

- Analyte detected in the associated Method Blank
- Above Quantitation Range/Estimated Value
- Analyte detected below quantitation limits
- Sample pH Not In Range
- Reporting Limit

SPK value SPK Ref Val %REC LowLimit

Page 23 of 26

Qual

RPDLimit

%RPD

HighLimit

Hall Environmental Analysis Laboratory, Inc.

WO#:

2211156

11-Nov-22

Client:

R & R Environmental

Project:

Prep Date:

Barry Miller

	2211156-014amsd
Client ID:	S15A 2'

11/4/2022

SampType: MSD

TestCode: EPA Method 8015D: Gasoline Range

RunNo: 92401

Batch ID: **71295**Analysis Date: **11/7/2022**

SeqNo: 3320733 Units: mg/Kg

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	4.8	24.11	0	94.9	70	130	0.231	20	
Surr: BFB	2200		964.3		225	37.7	212	0	0	S

Qualifiers:

Received by OCD: 12/16/2022 9:25:36 AM

- 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 standard limits. If undiluted results may be estimated.
- Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 24 of 26

Hall Environmental Analysis Laboratory, Inc.

WO#: 2

2211156 11-Nov-22

Client:

R & R Environmental

Project:

Barry Miller

Sample ID: mb-71278	SampT	уре: МВ	LK	Tes	tCode: El	PA Method	8021B: Volati	les		
Client ID: PBS	Batch	1D: 712	78	F	RunNo: 92	2355				
Prep Date: 11/3/2022	Analysis D	ate: 11	/4/2022		SeqNo: 3	318970	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-Bromofluorobenzene	0.91		1.000		91.4	70	130			
Sample ID: LCS-71278	SampT	ype: LCS	3	Tes	tCode: EF	A Method	8021B: Volati	les		
Client ID: LCSS	Batch	ID: 712	78	F	RunNo: 92	355				

Sample ID: LCS-71278	Samp ⁻	Type: LC	S	Tes	tCode: EF	PA Method	8021B: Volati	les		
Client ID: LCSS	Batc	h ID: 712	278	F	RunNo: 92	2355				-
Prep Date: 11/3/2022	Analysis [Date: 11	/4/2022	5	SeqNo: 33	318971	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.98	0.025	1.000	0	98.1	80	120			
Toluene	1.0	0.050	1.000	0	99.6	80	120			
Ethylbenzene	0.99	0.050	1.000	0	98.7	80	120			
Xylenes, Total	3.0	0.10	3.000	0	99.8	80	120			
Surr: 4-Bromofluorobenzene	0.94		1.000		93.7	70	130			

Sample ID: Ics-71295	Samp ⁻	Type: LC	s	Tes	tCode: El	PA Method	8021B: Volati	iles		
Client ID: LCSS	Batc	h ID: 712	295	F	RunNo: 9	2401				
Prep Date: 11/4/2022	Analysis [Date: 11	/7/2022	5	SeqNo: 3	320756	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.025	1.000	0	111	80	120			
Toluene	1.1	0.050	1.000	0	113	80	120			
Ethylbenzene	1.1	0.050	1.000	0	114	80	120			
Xylenes, Total	3.4	0.10	3.000	0	113	80	120			
Surr: 4-Bromofluorobenzene	1.1		1.000		109	70	130			

Sample ID: mb-71295	SampT	ype: ME	BLK	Tes	tCode: EF	PA Method	8021B: Volati	les		
Client ID: PBS	Batch	1D: 712	295	F	RunNo: 92	2401				
Prep Date: 11/4/2022	Analysis D	ate: 11	/7/2022	5	SeqNo: 33	320757	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-Bromofluorobenzene	1.7		1.000		169	70	130			S

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 25 of 26

Hall Environmental Analysis Laboratory, Inc.

WO#: 2211156 11-Nov-22

Client:

R & R Environmental

Project:

Barry Miller

Sample ID: 2211156-015ams	Samp	ype: MS	1	Tes	tCode: El	PA Method	8021B: Volati	les		
Client ID: S16A 2'	Batc	n ID: 712	295	F	RunNo: 9	2401				
Prep Date: 11/4/2022	Analysis [)ate: 11	/7/2022	8	SeqNo: 3	320760	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.024	0.9718	0	112	68.8	120			
Toluene	1.1	0.049	0.9718	0	114	73.6	124			
Ethylbenzene	1.1	0.049	0.9718	0	117	72.7	129			
Xylenes, Total	3.4	0.097	2.915	0	117	75.7	126			
Surr: 4-Bromofluorobenzene	1.1		0.9718		115	70	130			

Sample ID: 2211156-015ams	Samp	Type: MS	SD .	Tes	tCode: El	PA Method	8021B: Volati	iles		
Client ID: S16A 2'	Batc	h ID: 712	295	F	RunNo: 9	2401				
Prep Date: 11/4/2022	Analysis (Date: 11	/7/2022	5	SeqNo: 3	320761	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0,025	0.9852	0	111	68.8	120	0.682	20	
Toluene	1.1	0.049	0.9852	0	114	73.6	124	1.54	20	
Ethylbenzene	1.1	0.049	0.9852	0	114	72.7	129	1.44	20	
Xylenes, Total	3.4	0.099	2.956	0	114	75.7	126	1.40	20	
Surr: 4-Bromofluorobenzene	1.1		0.9852		108	70	130	0	0	

Qualifiers:

Received by OCD: 12/16/2022 9:25:36 AM

- Value exceeds Maximum Contaminant Level.
- Sample Diluted Due to Matrix
- Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit
- Practical Quanitative Limit
 - % Recovery outside of standard limits. If undiluted results may be estimated.
- Analyte detected in the associated Method Blank
- Above Quantitation Range/Estimated Value Analyte detected below quantitation limits E
- Sample pH Not In Range
- Reporting Limit

Page 26 of 26



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name:	R & R Environmental	Work Order Nur	mber: 2211156		RcptNo: 1	
Descript Des	Less Balance	44/0/0000 7-00-00		Grandy &		
Received By:	Juan Rojas	11/3/2022 7:30:00				
Completed By:	Tracy Casarrubias	11/3/2022 8:36:35	5 AM			
Reviewed By:	KPU 11.3-	22				
Chain of Cus	<u>tody</u>			_	_	
1. Is Chain of C	ustody complete?		Yes 🗹	No 🗆	Not Present	
2. How was the	sample delivered?		Courier			
Log In	npt made to cool the sample	s?	Yes 🗹	No 🗆	na 🗆	
or was an amon	primate to ober the sample	.				
4. Were all samp	oles received at a temperatu	re of >0° C to 6.0°C	Yes 🗹	No 🗌	NA 🗆	
5. Sample(s) in p	proper container(s)?		Yes 🗹	No 🗆		
6. Sufficient sam	ple volume for indicated tes	t(s)?	Yes 🗸	No 🗆		
7. Are samples (except VOA and ONG) prop	erly preserved?	Yes 🗹	No 🗆		
8. Was preserval	tive added to bottles?		Yes 🗌	No 🗹	NA 🗆	
9. Received at le	ast 1 vial with headspace <	1/4" for AQ VOA?	Yes 🗌	No 🗌	NA 🗹	
0. Were any san	nple containers received bro	ken?	Yes	No 🗹	# of preserved	
1. Does paperwo	rk match bottle labels?		Yes 🗹	No 🗆	bottles checked for pH:	
	ncies on chain of custody)			m	(<2 or >12 Adjusted?	2 unless noted)
	orrectly identified on Chain	of Custody?	Yes 🗹	No 🗌	, isjunios,	
	analyses were requested?		Yes ☑ Yes ☑	No \square	Checked by:	111312
	ng times able to be met? estomer for authorization.)		ies 🖭	NV ()		
pecial Handli	ing (if applicable)					
15.Was client not	tified of all discrepancies wit	h this order?	Yes 🗌	No 🗆	NA ☑	
Person I	Notified:	Date			and the second	
By Who	COMPANION OF ACCUSANCE OF THE PROPERTY OF THE	Via:	eMail	Phone Fax	☐ In Person	
Regardi	-		and the second declarate to an entire and		NOTIFICATION OF THE PROPERTY O	
	structions:					
16. Additional ren	narks:					
7. Cooler Inform		and the second		0:		
Cooler No	Temp °C Condition	Seal Intact Seal No	Seal Date	Signed By		

Chain-of-Custody Record	Record	Turn-Around Time:				1	i				
Client: (H. ELXX (Behranter)		X Standard CARush 5709	170	力	-	Z Z			RON	HALL ENVIRONMENTAL	7
		<					hallony	מו	MALTSIS LABO	MARTISTS LABORALORY	¥
Mailing Apdress: Cross		Dear Inniversity		4	901 Ha	4901 Hawkins NF			anenvironnisentar.com	27100	
(Archs bad		Project #:		· -	el. 505	Tel. 505-345-3975		of xe	Eax 505-345-4107	20.20	
Phone #: 575. 247.1102		30000					Anal	sis Re	Analysis Request		
7	Chamber 401	And elet (C) willow 41 Project Manager:					70		(tr		
QA/QC Package:	, C.	- Danes Chromas				SV	S "		Jəsc		
☐ Standard ☐ Level	☐ Level 4 (Full Validation))				VISC	Ю	-11	JA∖tı		
::		Sampler: A. Arker			280		IO ^S '		Uəse		
□ NELAC □ Other		On Ice; D-Yes	□ No		8/s			() (
□ EDD (Type)		# of Coolers:			əpi	100					
		Cooler Tempineuang CF); 1-4-	(0から、コーンナカン	TM Jast	oitse	ethc	3 Me	(AO	-imə notilo		
		Container Preservative	HEAL No.		d 11	700					
Date Time Matrix Sample Name		# Type	2211156		808		_=				
11/2 9:00 Silva	3	glass-1 Tel (at 1013	2	-	-		1		 		
15,15 A	يو		-			F	-	+			
1.5	16 AD!	Sid	~					\vdash			-
1 0:15 SIJA		NIC	0					+			
437.5 CE: P	90 54 54	410	4	, m			\vdash				
1 925 5.190	90 21	30	ص	E			-	-			
1 930 S.201	16 AO1	610	5			L	>	\vdash			
				-					L		
2				-							
				-							
									-		
•		\vdash						\vdash			
Date: Time: Relinquished by:		Vla:	Date Time	Remarks:	š;						1
Date: Time: Relinquished by:		Received by: VIa.	Oate Time								
WHOLE WITH DAILY	(V	The Constant	1025-11/3 122 7/30					0			
If necessary, samples submitted to Hall	I Environmental may be subco	If necessary, samples submitted to Hall Environmental may be subcontracted to other accordited aboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.	his serves as notice of this	possibility	Any sub	contracted	data will b	Gearly	otated on the	analytical report.	

notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.



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

November 11, 2022

James Carnes R & R Environmental 1505 W. Bullock Ave Artesia, NM 88210 TEL: (575) 616-9340

FAX:

RE: Berry Miller

OrderNo.: 2211253

Dear James Carnes:

Hall Environmental Analysis Laboratory received 10 sample(s) on 11/4/2022 for the analyses presented in the following report.

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

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

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

Sincerely,

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Project:

Hall Environmental Analysis Laboratory, Inc.

Berry Miller

Analytical Report
Lab Order: 2211253

Date Reported: 11/11/2022

CLIENT:	R & R Environmental	Lab Order:	2211253
		Eab Order.	2211233

Lab ID:	2211253-001	Collection Date:	11/3/2022 8:00:00 AM

Client Sample ID: SW1 2' Matrix: SOIL

Analyses	Result	RL Q	Qual Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS					Analy	st: NAI
Chloride	ND	60	mg/Kg	20	11/9/2022 1:29:53 PN	71379
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analy	st: DGH
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	11/8/2022 1:04:20 PM	71310
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	11/8/2022 1:04:20 PM	71310
Surr: DNOP	115	21-129	%Rec	1	11/8/2022 1:04:20 PM	71310
EPA METHOD 8015D: GASOLINE RANGE					Analy	st: NSB
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	11/7/2022 9:33:34 PM	71306
Surr: BFB	86.5	37.7-212	%Rec	1	11/7/2022 9:33:34 PM	71306
EPA METHOD 8021B: VOLATILES					Analy	st: NSB
Benzene	ND	0.023	mg/Kg	1	11/7/2022 9:33:34 PM	71306
Toluene	ND	0.047	mg/Kg	1	11/7/2022 9:33:34 PM	71306
Ethylbenzene	ND	0.047	mg/Kg	1	11/7/2022 9:33:34 PM	71306
Xylenes, Total	ND	0.093	mg/Kg	1	11/7/2022 9:33:34 PM	71306
Surr: 4-Bromofluorobenzene	91.2	70-130	%Rec	1	11/7/2022 9:33:34 PM	71306

Lab ID: 2211253-002 **Collection Date:** 11/3/2022 8:05:00 AM

Client Sample ID: SW2 2' Matrix: SOIL

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS					Analy	st: NAI
Chloride	ND	61	mg/Kg	20	11/9/2022 2:31:55 PM	71379
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analy	st: DGH
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	11/8/2022 1:15:07 PM	71310
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	11/8/2022 1:15:07 PM	71310
Surr: DNOP	108	21-129	%Rec	1	11/8/2022 1:15:07 PM	71310
EPA METHOD 8015D: GASOLINE RANGE					Analys	st: NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	11/7/2022 9:56:50 PM	71306
Surr: BFB	87.2	37.7-212	%Rec	1	11/7/2022 9:56:50 PM	71306
EPA METHOD 8021B: VOLATILES					Analys	st: NSB
Benzene	ND	0.024	mg/Kg	1	11/7/2022 9:56:50 PM	71306
Toluene	ND	0.049	mg/Kg	1	11/7/2022 9:56:50 PM	71306
Ethylbenzene	ND	0.049	mg/Kg	1	11/7/2022 9:56:50 PM	71306
Xylenes, Total	ND	0.097	mg/Kg	1	11/7/2022 9:56:50 PM	71306
Surr: 4-Bromofluorobenzene	92.5	70-130	%Rec	1	11/7/2022 9:56:50 PM	71306
		V 600 DEC - 880	the seven seek seek	0.00		

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

Qualifiers:

Received by OCD: 12/16/2022 9:25:36 AM

- 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 standard limits. If undiluted results may be estimated.
- Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 1 of 11

Analytical Report

Lab Order:

Lab Order: 2211253

Date Reported: 11/11/2022

2211253

Hall Environmental Analysis Laboratory, Inc.

CLIENT: R & R Environmental Project: Berry Miller

Lab ID:

Collection Date: 11/3/2022 8:10:00 AM 2211253-003

Matrix: SOIL Client Sample ID: SW3 2'

RL Qual Units DF Date Analyzed **Batch ID** Result **Analyses** Analyst: NAI **EPA METHOD 300.0: ANIONS** 11/9/2022 3:09:07 PM 71379 Chloride ND 60 mg/Kg 20 Analyst: DGH **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** mg/Kg 11/8/2022 1:36:35 PM 71310 Diesel Range Organics (DRO) ND 14 ND 48 mg/Kg 1 11/8/2022 1:36:35 PM 71310 Motor Oil Range Organics (MRO) 11/8/2022 1:36:35 PM 71310 Surr: DNOP 109 21-129 %Rec 1 Analyst: NSB **EPA METHOD 8015D: GASOLINE RANGE** Gasoline Range Organics (GRO) ND 4.9 mg/Kg 11/7/2022 10:20:26 PM 71306 %Rec 1 11/7/2022 10:20:26 PM 71306 37.7-212 Surr: BFB 87.3 Analyst: NSB **EPA METHOD 8021B: VOLATILES** 11/7/2022 10:20:26 PM 71306 Benzene ND 0.024 mg/Kg Toluene ND 0.049 mg/Kg 11/7/2022 10:20:26 PM 71306 0.049 mg/Kg 11/7/2022 10:20:26 PM 71306 ND Ethylbenzene 71306 11/7/2022 10:20:26 PM Xylenes, Total ND 0.098 mg/Kg 1 %Rec 11/7/2022 10:20:26 PM 71306 Surr: 4-Bromofluorobenzene 93.1 70-130

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
- Holding times for preparation or analysis exceeded Н
- ND Not Detected at the Reporting Limit
- POL Practical Quanitative Limit
 - % Recovery outside of standard limits. If undiluted results may be estimated.
- Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- Analyte detected below quantitation limits
- Sample pH Not In Range
- RL Reporting Limit

Analytical Report

Lab Order: 2211253

Date Reported: 11/11/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: R & R Environmental Lab Order: 2211253 Project: Berry Miller Lab ID: 2211253-004 Collection Date: 11/3/2022 8:15:00 AM Client Sample ID: SW4 2' Matrix: SOIL RL Qual Units DF Date Analyzed **Batch ID** Analyses Result Analyst: JMT **EPA METHOD 300.0: ANIONS** Chloride ND 60 mg/Kg 20 11/9/2022 1:42:27 PM 71380 **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: DGH 11/8/2022 1:47:20 PM Diesel Range Organics (DRO) 15 mg/Kg 71310 Motor Oil Range Organics (MRO) ND 49 mg/Kg 1 11/8/2022 1:47:20 PM 71310 Surr: DNOP 11/8/2022 1:47:20 PM 71310 109 21-129 %Rec **EPA METHOD 8015D: GASOLINE RANGE** Analyst: NSB Gasoline Range Organics (GRO) ND 4.9 mg/Kg 11/7/2022 10:44:01 PM 71306 Surr: BFB 86.3 37.7-212 %Rec 11/7/2022 10:44:01 PM 71306 **EPA METHOD 8021B: VOLATILES** Analyst: NSB 11/7/2022 10:44:01 PM 71306 Benzene ND 0.024 mg/Kg 71306 Toluene ND 0.049 mg/Kg 11/7/2022 10:44:01 PM Ethylbenzene ND 0.049 mg/Kg 11/7/2022 10:44:01 PM 71306 11/7/2022 10:44:01 PM 71306 Xylenes, Total ND 0.097 mg/Kg Surr: 4-Bromofluorobenzene 70-130 %Rec 11/7/2022 10:44:01 PM 71306 91.1 Lab ID: Collection Date: 11/3/2022 8:20:00 AM 2211253-005 Client Sample ID: Matrix: SOIL RL Qual Units DF Date Analyzed Result Batch ID Analyses Analyst: JMT **EPA METHOD 300.0: ANIONS** 11/9/2022 2:44:10 PM 71380 Chloride 64 60 mg/Kg 20 **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: DGH Diesel Range Organics (DRO) ND 14 mg/Kg 11/8/2022 1:58:05 PM 71310 Motor Oil Range Organics (MRO) ND 48 mg/Kg 1 11/8/2022 1:58:05 PM 71310 Surr: DNOP 21-129 %Rec 1 11/8/2022 1:58:05 PM 71310 112 Analyst: NSB **EPA METHOD 8015D: GASOLINE RANGE** 11/7/2022 11:07:28 PM 71306 Gasoline Range Organics (GRO) ND 4.7 mg/Kg 1 Surr: BFB 87.5 37.7-212 %Rec 1 11/7/2022 11:07:28 PM 71306 **EPA METHOD 8021B: VOLATILES** Analyst: NSB 11/7/2022 11:07:28 PM 71306 Benzene ND 0.024 mg/Kg 1 Toluene ND 0.047 mg/Kg 11/7/2022 11:07:28 PM 71306 Ethylbenzene ND 0.047 mg/Kg 1 11/7/2022 11:07:28 PM 71306 ND 0.095 mg/Kg 1 11/7/2022 11:07:28 PM 71306 Xylenes, Total 11/7/2022 11:07:28 PM 71306 Surr: 4-Bromofluorobenzene 92.8 70-130 %Rec 1 Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- Sample Diluted Due to Matrix
- Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated.
- Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- Analyte detected below quantitation limits
- Sample pH Not In Range
- RL Reporting Limit
- Page 3 of 11

Analytical Report

Lab Order: 2211253

Date Reported: 11/11/2022

2211253

Hall Environmental Analysis Laboratory, Inc.

CLIENT:

R & R Environmental

Project:

Berry Miller

Lab ID:

2211253-006

Collection Date: 11/3/2022 8:25:00 AM

Lab Order:

Matrix: SOIL

Client Sample ID: SW6 2'

Cheff Sample 1D. 5W02			Mania	. 50	/IL	
Analyses	Result	RL Q	ual Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS					Ana	lyst: JMT
Chloride	ND	60	mg/Kg	20	11/9/2022 3:21:12 P	PM 71380
EPA METHOD 8015M/D: DIESEL RANGE ORG	GANICS				Ana	lyst: DGH
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	11/8/2022 2:30:14 P	PM 71310
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	11/8/2022 2:30:14 P	PM 71310
Surr: DNOP	110	21-129	%Rec	1	11/8/2022 2:30:14 P	PM 71310
EPA METHOD 8015D: GASOLINE RANGE					Ana	lyst: NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	11/7/2022 11:54:29	PM 71306
Surr: BFB	85.3	37.7-212	%Rec	1	11/7/2022 11:54:29	PM 71306
EPA METHOD 8021B: VOLATILES					Ana	lyst: NSB
Benzene	ND	0.024	mg/Kg	1	11/7/2022 11:54:29	PM 71306
Toluene	ND	0.048	mg/Kg	1	11/7/2022 11:54:29	PM 71306
Ethylbenzene	ND	0.048	mg/Kg	1	11/7/2022 11:54:29	PM 71306
Xylenes, Total	ND	0.097	mg/Kg	1	11/7/2022 11:54:29	PM 71306
Surr: 4-Bromofluorobenzene	90.6	70-130	%Rec	1	11/7/2022 11:54:29	PM 71306

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

Holding times for preparation or analysis exceeded Н

ND Not Detected at the Reporting Limit

Practical Quanitative Limit PQL

% Recovery outside of standard limits. If undiluted results may be estimated.

- Analyte detected in the associated Method Blank
- Above Quantitation Range/Estimated Value Analyte detected below quantitation limits
- Sample pH Not In Range
- Reporting Limit

Page 4 of 11

Analytical Report

Lab Order: 2211253

Date Reported: 11/11/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: R & R Environmental Lab Order: 2211253 Project: Berry Miller Collection Date: 11/3/2022 8:30:00 AM Lab ID: 2211253-007 Matrix: SOIL Client Sample ID: BG1 RL Qual Units DF Date Analyzed **Batch ID Analyses** Result **EPA METHOD 300.0: ANIONS** Analyst: NAI ND 11/9/2022 6:20:46 PM 71398 Chloride 61 mg/Kg 20 **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: DGH 11/8/2022 2:40:59 PM 71310 Diesel Range Organics (DRO) 14 mg/Kg Motor Oil Range Organics (MRO) ND 47 mg/Kg 11/8/2022 2:40:59 PM 71310 Surr: DNOP 11/8/2022 2:40:59 PM 71310 97.1 21-129 %Rec Analyst: NSB **EPA METHOD 8015D: GASOLINE RANGE** 11/8/2022 12:18:02 AM 71306 Gasoline Range Organics (GRO) ND 4.7 mg/Kg 11/8/2022 12:18:02 AM 71306 Surr: BFB 87.9 37.7-212 %Rec Analyst: NSB **EPA METHOD 8021B: VOLATILES** 11/8/2022 12:18:02 AM 71306 Benzene ND 0.024 mg/Kg ND 0.047 11/8/2022 12:18:02 AM Toluene mg/Kg 71306 11/8/2022 12:18:02 AM Ethylbenzene ND 0.047 mg/Kg 11/8/2022 12:18:02 AM 71306 Xylenes, Total ND 0.094 mg/Kg 11/8/2022 12:18:02 AM 71306 Surr: 4-Bromofluorobenzene 70-130 %Rec 93.1 Collection Date: 11/3/2022 8:35:00 AM Lab ID: 2211253-008 Matrix: SOIL Client Sample ID: BG2 Result RL Qual Units DF Date Analyzed **Batch ID Analyses**

EPA METHOD 300.0: ANIONS					Analyst	: NAI
Chloride	ND	60	mg/Kg	20	11/9/2022 6:33:10 PM	71398
EPA METHOD 8015M/D: DIESEL RANGE OI	RGANICS				Analyst	: DGH
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	11/8/2022 2:51:44 PM	71310
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	11/8/2022 2:51:44 PM	71310
Surr: DNOP	89.7	21-129	%Rec	1	11/8/2022 2:51:44 PM	71310
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	11/8/2022 12:41:28 AM	71306
Surr: BFB	82.9	37.7-212	%Rec	1	11/8/2022 12:41:28 AM	71306
EPA METHOD 8021B: VOLATILES					Analyst	NSB
Benzene	ND	0.025	mg/Kg	1	11/8/2022 12:41:28 AM	71306
Toluene	ND	0.049	mg/Kg	1	11/8/2022 12:41:28 AM	71306
Ethylbenzene	ND	0.049	mg/Kg	1	11/8/2022 12:41:28 AM	71306
Xylenes, Total	ND	0.099	mg/Kg	1	11/8/2022 12:41:28 AM	71306
Surr: 4-Bromofluorobenzene	87.5	70-130	%Rec	1	11/8/2022 12:41:28 AM	71306
		1100 01 00	21.525.520.20	20		

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

Oualifiers:

- 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 Quantitative Limit
- $S \hspace{0.5cm} \% \hspace{0.1cm} \text{Recovery outside of standard limits. If undiluted results may be estimated.} \\$
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
 - L Reporting Limit

Page 5 of 11

Analytical Report

Lab Order: 2211253

Date Reported: 11/11/2022

2211253

Hall Environmental Analysis Laboratory, Inc.

CLIENT:

R & R Environmental

Project:

Lab ID:

Berry Miller

2211253-009

Collection Date: 11/3/2022 8:40:00 AM

Lab Order:

Matrix: SOIL Client Sample ID: BG3 RL Qual Units DF Date Analyzed **Batch ID** Result Analyses Analyst: NAI **EPA METHOD 300.0: ANIONS** ND 11/9/2022 6:45:35 PM 71398 Chloride 61 mg/Kg 20 **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: DGH 11/8/2022 3:02:28 PM 71310 Diesel Range Organics (DRO) ND 15 mg/Kg Motor Oil Range Organics (MRO) ND 49 mg/Kg 11/8/2022 3:02:28 PM 71310 87.8 21-129 %Rec 11/8/2022 3:02:28 PM 71310 Surr: DNOP **EPA METHOD 8015D: GASOLINE RANGE** Analyst: NSB 11/8/2022 1:05:01 AM 71306 Gasoline Range Organics (GRO) ND 4.8 mg/Kg 1 Surr: BFB 85.9 37.7-212 %Rec 11/8/2022 1:05:01 AM 71306 Analyst: NSB **EPA METHOD 8021B: VOLATILES** 71306 0.024 11/8/2022 1:05:01 AM Benzene ND mg/Kg 11/8/2022 1:05:01 AM 71306 Toluene ND 0.048 mg/Kg 1 Ethylbenzene ND 0.048 mg/Kg 11/8/2022 1:05:01 AM 71306 ND 0.096 mg/Kg 11/8/2022 1:05:01 AM 71306 Xylenes, Total 11/8/2022 1:05:01 AM 71306 Surr: 4-Bromofluorobenzene 90.2 70-130 %Rec

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

Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

Practical Quanitative Limit PQL

% Recovery outside of standard limits. If undiluted results may be estimated.

- Analyte detected in the associated Method Blank
- Above Quantitation Range/Estimated Value
- Analyte detected below quantitation limits
- Sample pH Not In Range
- Reporting Limit

Page 6 of 11

Analytical Report

Lab Order: 2211253

Date Reported: 11/11/2022

2211253

Hall Environmental Analysis Laboratory, Inc.

CLIENT:

R & R Environmental

Project:

Berry Miller

Lab ID:

Client Sample ID: BG4

0011050 010

2211253-010

Collection Date:

Collection Date: 11/3/2022 8:45:00 AM

Matrix: SOIL

Lab Order:

RL Qual Units DF Date Analyzed **Batch ID Analyses** Result Analyst: NAI **EPA METHOD 300.0: ANIONS** 11/9/2022 6:57:59 PM 71398 Chloride ND 60 mg/Kg Analyst: DGH **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** 11/8/2022 3:13:15 PM 71310 Diesel Range Organics (DRO) ND 14 mg/Kg 11/8/2022 3:13:15 PM 71310 Motor Oil Range Organics (MRO) ND 48 mg/Kg 1 71310 11/8/2022 3:13:15 PM Surr: DNOP 21-129 %Rec 1 93.8 **EPA METHOD 8015D: GASOLINE RANGE** Analyst: NSB 11/8/2022 1:28:23 AM 71306 Gasoline Range Organics (GRO) ND 4.9 mg/Kg 1 87.8 37.7-212 %Rec 1 11/8/2022 1:28:23 AM 71306 Surr: BFB Analyst: NSB **EPA METHOD 8021B: VOLATILES** ND 0.025 mg/Kg 11/8/2022 1:28:23 AM 71306 Benzene 11/8/2022 1:28:23 AM 71306 0.049 mg/Kg 1 Toluene ND mg/Kg 71306 0.049 11/8/2022 1:28:23 AM Ethylbenzene ND 71306 11/8/2022 1:28:23 AM 0.098 mg/Kg 1 ND Xylenes, Total 11/8/2022 1:28:23 AM 71306 93.9 70-130 %Rec Surr: 4-Bromofluorobenzene

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

% Recovery outside of standard limits. If undiluted results may be estimated.

- Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- L Reporting Limit

Page 7 of 11

Hall Environmental Analysis Laboratory, Inc.

WO#: **2211253**

11-Nov-22

Client:

R & R Environmental

Project:		ry Miller	
Sample ID:	MB-71380	SampType: mblk	TestCode: EPA Method 300.0: Anions
Client ID:	PBS	Batch ID: 71380	RunNo: 92445
Prep Date:	11/9/2022	Analysis Date: 11/9/2022	SeqNo: 3323758 Units: mg/Kg
Analyte		Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Chloride		ND 1.5	
Sample ID:	LCS-71380	SampType: Ics	TestCode: EPA Method 300.0: Anions
Client ID:	LCSS	Batch ID: 71380	RunNo: 92445
Prep Date:	11/9/2022	Analysis Date: 11/9/2022	SeqNo: 3323759 Units: mg/Kg
Analyte		Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Chloride		15 1.5 15.00	0 97.6 90 110
Sample ID:	MB-71379	SampType: mblk	TestCode: EPA Method 300.0: Anions
Client ID:	PBS	Batch ID: 71379	RunNo: 92446
Prep Date:	11/9/2022	Analysis Date: 11/9/2022	SeqNo: 3323828 Units: mg/Kg
Analyte		Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Chloride		ND 1.5	
Sample ID:	LCS-71379	SampType: Ics	TestCode: EPA Method 300.0: Anions
Client ID:	LCSS	Batch ID: 71379	RunNo: 92446
Prep Date:	11/9/2022	Analysis Date: 11/9/2022	SeqNo: 3323829 Units: mg/Kg
Analyte		Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Chloride		14 1.5 15.00	0 95.0 90 110
Sample ID:	MB-71398	SampType: mblk	TestCode: EPA Method 300.0: Anions
Client ID:	PBS	Batch ID: 71398	RunNo: 92446
Prep Date:	11/9/2022	Analysis Date: 11/9/2022	SeqNo: 3323859 Units: mg/Kg
Analyte		Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Chloride		ND 1.5	
Sample ID:	LCS-71398	SampType: Ics	TestCode: EPA Method 300.0: Anions
Client ID:	LCSS	Batch ID: 71398	RunNo: 92446
Prep Date:	11/9/2022	Analysis Date: 11/9/2022	SeqNo: 3323860 Units: mg/Kg
Analyte		Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Qualifiers:

Received by OCD: 12/16/2022 9:25:36 AM

Chloride

- 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
- % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- Above Quantitation Range/Estimated Value
- I Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

15.00

Page 8 of 11

Hall Environmental Analysis Laboratory, Inc.

Batch ID: 71310

Analysis Date: 11/8/2022

PQL

Result

45

5.8

SPK value SPK Ref Val

0

47.26

4.726

WO#:

2211253

11-Nov-22

Client:

R & R Environmental

Project:

Berry Miller

Project: Berry Mi	11er								
Sample ID: LCS-71310	SampType	: LCS	Tes	tCode: EP	A Method	8015M/D: Die:	sel Range	Organics	
Client ID: LCSS	Batch ID:	71310	F	RunNo: 92	379				
Prep Date: 11/4/2022	Analysis Date:	11/8/2022		SeqNo: 33	20994	Units: mg/K	g		
Analyte	Result P	QL SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	44	15 50.00	0	88.3	64.4	127			
Surr: DNOP	4.8	5.000		96.4	21	129			
Sample ID: MB-71310	SampType	: MBLK	Tes	tCode: EP	A Method	8015M/D: Die:	sel Range	Organics	
Client ID: PBS	Batch ID:	71310	, F	RunNo: 92	379				
Prep Date: 11/4/2022	Analysis Date:	11/8/2022	5	SeqNo: 33	20996	Units: mg/Kg	g		
Analyte	Result Po	QL SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	15							
Motor Oil Range Organics (MRO)	ND	50							
Surr: DNOP	8.7	10.00		87.0	21	129			
Sample ID: 2211253-005AMS	SampType:	MS	Tes	tCode: EP	A Method	8015M/D: Dies	sel Range	Organics	
Client ID: SW5 2'	Batch ID:	71310	F	RunNo: 92	415				
Prep Date: 11/4/2022	Analysis Date:	11/8/2022	5	SeqNo: 33	21380	Units: mg/Kg	g		
Analyte	Result Po	QL SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	49	14 48.17	0	101	36.1	154			
Surr: DNOP	6.1	4.817		128	21	129			
Sample ID: 2211253-005AMSD	SampType: MSD TestCode: EPA Method 8015M/D: Diesel Range Organics								

റ	ual	lifi	or	
v	ua		v.	•

Received by OCD: 12/16/2022 9:25:36 AM

- 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 Quantitative Limit

Client ID: SW5 2'

Diesel Range Organics (DRO)

11/4/2022

Prep Date:

Surr: DNOP

Analyte

- S % Recovery outside of standard limits. If undiluted results may be estimated.
- Analyte detected in the associated Method Blank

RunNo: **92415** SeqNo: **3321381**

LowLimit

36.1

21

%REC

96.1

123

Units: mg/Kg

154

129

HighLimit

%RPD

7.17

0

RPDLimit

33.9

0

Qual

- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 9 of 11

by OCD: 12/16/2022 9:2

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

11-Nov-22

2211253

WO#:

Client:

R & R Environmental

Project:

Berry Miller

Project: Berry N										
Sample ID: mb-71306	SampTyp	e: MBL	.K	Tes	TestCode: EPA Method 8015D: Gasoline Range					_
Client ID: PBS	Batch ID	D: 713 0	06	F	RunNo: 92	384				
Prep Date: 11/4/2022	Analysis Date	e: 11/ 7	7/2022	\$	SeqNo: 33	19942	Units: mg/K	g		
Analyte	Result F	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	860		1000		85.9	37.7	212			
Sample ID: Ics-71306	SampType	e: LCS		Tes	tCode: EP	A Method	8015D: Gasol	ine Range		
Client ID: LCSS	Batch ID): 7130	6	F	RunNo: 92	384				
Prep Date: 11/4/2022	Analysis Date	. 4417	7/2022		SegNo: 33	100/3	Units: mg/K	~		
1 1cp Date. 111-412022	Allalysis Dale	3. TI//	12022		bedian. 33	13343	Office. Hight	y		
Analyte	SI SUSTINIVA P PROJECTI PER TE STO			SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
a see surren	SI SUSTINIVA P PROJECTI PER TE STO								RPDLimit	Qual

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
- 8 % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- L Reporting Limit

Received by OCD: 12/16/2022 9:25:36 AM

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#:

2211253

11-Nov-22

Client:

R & R Environmental

Project:

Berry Miller

	CONTRACTOR OF THE PERSON NAMED IN COLUMN 1		Complete and the second	Colonia de la co					
Sample ID: mb-71306	SampType	e: MBLK	TestCode: EPA Method 8021B: Volatiles						
Client ID: PBS	Batch ID	Batch ID: 71306 RunNo: 92384							
Prep Date: 11/4/2022	Analysis Date	e: 11/7/2022	8	SeqNo: 3319	981	Units: mg/K	g		
Analyte	Result F	PQL SPK value	SPK Ref Val	%REC L	.owLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND 0	.025							
Toluene	ND 0	.050							
Ethylbenzene	ND 0	.050							
Xylenes, Total	ND	0.10							
Surr: 4-Bromofluorobenzene	0.90	1.000		90.4	70	130			
Sample ID: LCS-71306	SampType	e: LCS	Test	tCode: EPA I	Method	8021B: Volatil	es		
Client ID: LCSS	Batch ID	: 71306	R	tunNo: 9238 4	4				
Prep Date: 11/4/2022	Analysis Date	: 11/7/2022	S	eqNo: 3319	982	Units: mg/Kg	9		
Analyte	Result P	OI SPK value	SPK Ref Val	%REC Lo	owLimit	HighLimit	%RPD	RPDLimit	Qual

Sample ID: LCS-/1306	Sampi	ype: LC	5	res	icode: Er	A Method	8021B: Volati	les		
Client ID: LCSS	Batch ID: 71306 RunNo: 92384					2384				
Prep Date: 11/4/2022	Analysis D	ate: 11	/7/2022	5	SeqNo: 33	19982	Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.97	0.025	1.000	0	97.0	80	120			
Toluene	0.99	0.050	1.000	0	98.6	80	120			
Ethylbenzene	0.98	0.050	1.000	0	98.1	80	120			
Xylenes, Total	3.0	0.10	3.000	0	98.9	80	120			
Surr: 4-Bromofluorobenzene	0.95		1.000		94.5	70	130			

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- Sample Diluted Due to Matrix
- Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit
- Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated.
- Analyte detected in the associated Method Blank
- Above Quantitation Range/Estimated Value
- Analyte detected below quantitation limits
- Reporting Limit

Page 11 of 11



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

Sample Log-In Check List

		Website: w	vww.hallenvironmen	tal.com		
Client Name: R & F	R Environmental	Work Order Nu	umber: 2211253		RcptNo:	1
Received By: Trac	y Casarrubias	11/4/2022 7:30:0	MA 00			
Completed By: Trac	y Casarrubias	11/4/2022 7:38:0	08 AM			
Reviewed By: JN	114/22			*		
Chain of Custody					_	
1. Is Chain of Custody	complete?		Yes 🗹	No 🗌	Not Present	
2. How was the sample	delivered?		Courier			
Log In 3. Was an attempt made	le to cool the sample:	s?	Yes 🗹	No 🗆	na 🗆	
4. Were all samples rec	eived at a temperatu	re of >0° C to 6.0°C	Yes 🗹	No 🗌	NA 🗆	
5. Sample(s) in proper	container(s)?		Yes 🗹	No 🗆		
6. Sufficient sample volu	ume for indicated test	(s)?	Yes 🗸	No 🗆		
7. Are samples (except	VOA and ONG) prop	erly preserved?	Yes 🗹	No 🗆		
8. Was preservative add	led to bottles?		Yes 🗌	No 🗹	NA 🗆	
9. Received at least 1 vi	al with headspace <1	/4" for AQ VOA?	Yes 🗌	No 🗌	NA 🗹	
10. Were any sample co	ntainers received bro	ken?	Yes 🗌	No 🗹	# of preserved	
11. Does paperwork mate (Note discrepancies o			Yes 🗹	No 🗆		>12 unless noted)
12. Are matrices correctly	identified on Chain o	of Custody?	Yes 🗹	No 🗌	Adjusted?	WR411.4
13. Is it clear what analys	es were requested?		Yes 🗹	No 🗆	/ 1	100 1100 22
 Were all holding times (If no, notify customer) 			Yes 🗸	No 🗆	Onecked by:	VU 4300
Special Handling (if	applicable)					11.4.70
15. Was client notified of		h this order?	Yes 🗌	No 🗆	NA 🗹	
Person Notified	:	Da	te:			
By Whom:		Via	: eMail	Phone Fax	☐ In Person	
Regarding:						
Client Instruction	ns: [
16. Additional remarks:						
17. Cooler Information						
Cooler No Tem		Seal Intact Seal No	Seal Date	Signed By		
1 4.5	Good Y	es				

ر	2	0 40	Land of Chapter of the Richard	Turn-Around Time.	Time.		Г												
5	a	5	ustody Record		2					5	100	L		0	LAIL ENVIDORIMENTA	L	ŀ	10	
	ON TO	つのか	Client: (& C C) Ulicon Pretal	Standard	□\\Rust	OKRUSH STOAM	J L		7 _		3 5	S V		2 3	ANAI VSTS I ABOBATORY	2		10	
		•		Project Name:	_			1000			1 104		2			5	5	2	
Mailing	A A A A A A A A A A A A A A A A A A A	Mailing Address Canew	1	(Appelli)	Miller			490	Hay	4901 Hawkins NE		Albu		www.naiieilviioiiiieilai.com	- Albuquerane NM 87109	60			
3	Brock	Cadional Jun	3	Project #:)		T	E E	505	Tel. 505-345-3975		щ	× 50	5-345	Eax 505-345-4107	3			
Phone #	575	Phone #: 575 247 - 1106	1106	30000 00s	¢00						A	sylet	is Re	Analysis Request					
email or	Fax#:	JAMES	email or Fax#: JAMES@ Rel Chronistalistel	Project Manager:	ger:		((0	H	_		¢C	_	(1)		-	_		
QA/QC Package:	ackage:		☐ Level 4 (Full Validation)	1 Promise	I Ames Chews	&	1208)	NAR(CB,8	SMIS		S '7O		nesdA					
Accreditation:	ation:	□ Az Co	□ Az Compliance	Sampler:	SOM SO		NB.	סאם		_		J '2C	1 Sant	quəs					
O NELA		□ Other		On Ice:	N Yes	oN 🗆	1 /	10				N	/A						
□ EDD (Type)				# of Coolers:	<u> </u>		38	Re	-			' ^E O	ON	-					
1				Cooler Temp(Induding CF); 4.L	Induding CF); 4.	0.) I'H = 10-7) O S				_							
				Container	Drocondius	ON IND	/ X:	108:											
Date		Matrix	Sample Name	#	Type	2211253	3T8	HqT		EDB HA9	RCF	CIVE	928		×				
113	න. රා		5w.1 21	1. r-sa/5	133	100			-		_	-	-			╁	-		T
	8:05		id d			2007		-				L	-			+	\vdash		
	619					003	F	-		=		L	-	-		+	+		Τ
- 100 A	कार					Pool			\vdash	-		Current	~~~~4	_			+	1	1
	કુઝ		SW5 21			500			\vdash	-			-	_		\vdash	\vdash		1
	8:25					200	-	-					-	_		\vdash	╀		T
	6:39		18G 1			400						\vdash					-		Τ
	8 ३५		869 2			800	_										-		
	9,40		36, 3			000	7										┝		
>	8:45	1 1	Ro 4.	ب	>	010	4	>				5	6 L			┝	┢		Γ
) = k						
Date:	Time:	Relinquished by:	led by:	Received by: Via:	Vla:	Date Time	Ren	Remarks	- -		ş	-				\dashv	-]
Dete:	816: Time:	œ	alinquished by:	Received by:	Vier Cour	Date Time	T												
<u> </u>	necessary.	samples su	f necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.	contracted to other a	ocredited laborator	ries. This serves as notice of	his possi	bility. A	ny sub-	contract	ed data	will be	early no	otated or	the and	alytical r	Bport.		7



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

OrderNo.: 2211248

November 11, 2022

James Carnes R & R Environmental 1505 W. Bullock Ave Artesia, NM 88210 TEL: (575) 616-9340

FAX:

RE: Barry Miller

Dear James Carnes:

Hall Environmental Analysis Laboratory received 21 sample(s) on 11/4/2022 for the analyses presented in the following report.

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

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

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

Sincerely,

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109





Hall Environmental Analysis Laboratory

4901 Hawkins NE Albuquerque, NM 87109

TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com **Analytical Report**

(consolidated)

WO#:

2211248

Date Reported: 11/11/2022

CLIENT: Project:

R & R Environmental

Barry Miller

Lab ID:

2211248-001

Client Sample ID S-21A 1'

Collection Date: 11/3/2022 9:00:00 AM

Matrix: SOIL

Analyses	Result	RL Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS			E300		Analyst: JTT
Chloride	ND	60	mg/Kg	20	11/8/2022 2:53:53 PM
BTEX/GRO/DRO SOIL EPA METHOD 8015M/D: DIESEL RANG	E ORGANI	cs	SW8015		Analyst: DGH
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	11/8/2022 1:09:07 AM
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	11/8/2022 1:09:07 AM
Surr: DNOP	94.9	21 - 129	%Rec	1	11/8/2022 1:09:07 AM
BTEX/GRO/DRO SOIL EPA METHOD 8015D: GASOLINE RANG	GE		SW8015	SW	/5035 Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	11/7/2022 1:56:00 PM
Surr: BFB	97.3	37.7 - 212	%Rec	1	11/7/2022 1:56:00 PM
BTEX/GRO/DRO SOIL EPA METHOD 8021B: VOLATILES			SW8021	SW	/5035 Analyst: CCM
Benzene	ND	0.024	mg/Kg	1	11/7/2022 1:56:00 PM
Toluene	ND	0.048	mg/Kg	1	11/7/2022 1:56:00 PM
Ethylbenzene	ND	0.048	mg/Kg	1	11/7/2022 1:56:00 PM
Xylenes, Total	ND	0.095	mg/Kg	1	11/7/2022 1:56:00 PM
Surr: 4-Bromofluorobenzene	108	70 - 130	%Rec	1	11/7/2022 1:56:00 PM

	lifiers
A men	MAACA .

- 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
 - % Recovery outside of standard limits. If undiluted results may be estimated.
- Analyte detected in the associated Method Blank В
- E Above Quantitation Range/Estimated Value
- Analyte detected below quantitation limits J
- Sample pH Not In Range
- Reporting Limit RL



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

Analytical Report

(consolidated)

WO#:

2211248

Date Reported: 11/11/2022

CLIENT:

R & R Environmental

Collection Date: 11/3/2022 9:05:00 AM

Project:

Barry Miller

Matrix: SOIL

Lab ID:

2211248-002

Client Sample ID S-22A 1'

Analyses	Result	RL Qua	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS			E300		Analyst: JTT
Chloride	ND	60	mg/Kg	20	11/8/2022 3:06:14 PM
BTEX/GRO/DRO SOIL EPA METHOD 8015M/D: DIESEL RANGI	E ORGANI	cs	SW8015		Analyst: DGH
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	11/8/2022 1:19:56 AM
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	11/8/2022 1:19:56 AM
Surr: DNOP	61.0	21 - 129	%Rec	1	11/8/2022 1:19:56 AM
BTEX/GRO/DRO SOIL EPA METHOD 8015D: GASOLINE RANG	E		SW8015	SW	/5035 Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	11/7/2022 2:16:00 PM
Surr: BFB	93.6	37.7 - 212	%Rec	1	11/7/2022 2:16:00 PM
BTEX/GRO/DRO SOIL EPA METHOD 8021B: VOLATILES			SW8021	SW	/5035 Analyst: CCM
Benzene	ND	0.025	mg/Kg	1	11/7/2022 2:16:00 PM
Toluene	ND	0.049	mg/Kg	1	11/7/2022 2:16:00 PM
Ethylbenzene	ND	0.049	mg/Kg	1	11/7/2022 2:16:00 PM
Xylenes, Total	ND	0.099	mg/Kg	1	11/7/2022 2:16:00 PM
Surr: 4-Bromofluorobenzene	108	70 - 130	%Rec	1	11/7/2022 2:16:00 PM

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 standard limits. If undiluted results may be estimated.

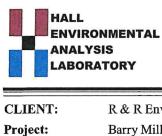
Analyte detected in the associated Method Blank

Above Quantitation Range/Estimated Value E

Analyte detected below quantitation limits

Sample pH Not In Range

RL Reporting Limit



Hall Environmental Analysis Laboratory

4901 Hawkins NE Albuquerque, NM 87109

TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com **Analytical Report**

(consolidated)

WO#:

2211248

Date Reported: 11/11/2022

R & R Environmental

Barry Miller

Lab ID:

2211248-003

Client Sample ID S-23A 1'

Collection Date: 11/3/2022 9:10:00 AM

Matrix: SOIL

Analyses	Result	RL Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS	13 4 3 11111111111111111111111111111111		E300		Analyst: JTT
Chloride	250	61	mg/Kg	20	11/8/2022 3:43:17 PM
BTEX/GRO/DRO SOIL EPA METHOD 8015M/D: DIESEL RANGI	ORGANI	cs	SW8015		Analyst: DGH
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	11/8/2022 1:41:08 AM
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	11/8/2022 1:41:08 AM
Surr: DNOP	84.4	21 - 129	%Rec	1	11/8/2022 1:41:08 AM
BTEX/GRO/DRO SOIL EPA METHOD 8015D: GASOLINE RANG	E		SW8015	SW	Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	11/7/2022 2:36:00 PM
Surr: BFB	99.0	37.7 - 212	%Rec	1	11/7/2022 2:36:00 PM
BTEX/GRO/DRO SOIL EPA METHOD 8021B: VOLATILES			SW8021	SW	Analyst: CCM
Benzene	ND	0.024	mg/Kg	1	11/7/2022 2:36:00 PM
Toluene	ND	0.048	mg/Kg	1	11/7/2022 2:36:00 PM
Ethylbenzene	ND	0.048	mg/Kg	1	11/7/2022 2:36:00 PM
Xylenes, Total	ND	0.096	mg/Kg	1	11/7/2022 2:36:00 PM
Surr: 4-Bromofluorobenzene	107	70 - 130	%Rec	1	11/7/2022 2:36:00 PM

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit ND
- PQL Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated.
- Analyte detected in the associated Method Blank
- Above Quantitation Range/Estimated Value
- Analyte detected below quantitation limits J
- Sample pH Not In Range
- Reporting Limit RL



Hall Environmental Analysis Laboratory

4901 Hawkins NE Albuquerque, NM 87109

TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com **Analytical Report**

(consolidated)

WO#:

2211248

Date Reported: 11/11/2022

CLIENT:

R & R Environmental

Collection Date: 11/3/2022 9:15:00 AM

Project:

Barry Miller 2211248-004

Matrix: SOIL

Lab ID:

Client Sample ID S-24A 1'

Analyses	Result	RL Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS			E300		Analyst: JTT
Chloride	180	61	mg/Kg	20	11/8/2022 3:55:39 PM
BTEX/GRO/DRO SOIL EPA METHOD 8015M/D: DIESEL RANGE	ORGANI	cs	SW8015		Analyst: DGH
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	11/8/2022 1:51:52 AM
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	11/8/2022 1:51:52 AM
Surr: DNOP	84.0	21 - 129	%Rec	1	11/8/2022 1:51:52 AM
BTEX/GRO/DRO SOIL EPA METHOD 8015D: GASOLINE RANGI	≣		SW8015	SW	Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	11/7/2022 2:55:00 PM
Surr: BFB	99.1	37.7 - 212	%Rec	1	11/7/2022 2:55:00 PM
BTEX/GRO/DRO SOIL EPA METHOD 8021B: VOLATILES			SW8021	sw	Analyst: CCM
Benzene	ND	0.024	mg/Kg	1	11/7/2022 2:55:00 PM
Toluene	ND	0.048	mg/Kg	1	11/7/2022 2:55:00 PM
Ethylbenzene	ND	0.048	mg/Kg	1	11/7/2022 2:55:00 PM
Xylenes, Total	ND	0.097	mg/Kg	1	11/7/2022 2:55:00 PM
Surr: 4-Bromofluorobenzene	111	70 - 130	%Rec	1	11/7/2022 2:55:00 PM

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 standard limits. If undiluted results may be estimated.

Analyte detected in the associated Method Blank

Above Quantitation Range/Estimated Value

Analyte detected below quantitation limits J

Sample pH Not In Range

Reporting Limit RL



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107

Website: www.hallenvironmental.com

Analytical Report

(consolidated)

2211248

Date Reported: 11/11/2022

WO#:

CLIENT:

R & R Environmental

Matrix: SOIL

Collection Date: 11/3/2022 9:20:00 AM

Project:

Barry Miller

Lab ID:

2211248-005

Client Sample ID S-25A 1'

Analyses	Result	RL Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS			E300		Analyst: JTT
Chloride	90	60	mg/Kg	20	11/8/2022 4:07:59 PM
BTEX/GRO/DRO SOIL EPA METHOD 8015M/D: DIESEL RANGE	ORGANI	cs	SW8015		Analyst: DGH
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	11/8/2022 2:02:34 AM
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	11/8/2022 2:02:34 AM
Surr: DNOP	89.2	21 - 129	%Rec	1	11/8/2022 2:02:34 AM
BTEX/GRO/DRO SOIL EPA METHOD 8015D: GASOLINE RANG	E		SW8015	SW50	Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	11/7/2022 3:35:00 PM
Surr: BFB	85.0	37.7 - 212	%Rec	1	11/7/2022 3:35:00 PM
BTEX/GRO/DRO SOIL EPA METHOD 8021B: VOLATILES			SW8021	SW50	Analyst: CCM
Benzene	ND	0.024	mg/Kg	1	11/7/2022 3:35:00 PM
Toluene	ND	0.049	mg/Kg	1	11/7/2022 3:35:00 PM
Ethylbenzene	ND	0.049	mg/Kg	1	11/7/2022 3:35:00 PM
Xylenes, Total	ND	0.097	mg/Kg	1	11/7/2022 3:35:00 PM
Surr: 4-Bromofluorobenzene	100	70 - 130	%Rec	1	11/7/2022 3:35:00 PM

41	ua	iiii	01	-6
v	ua.	ш		

- Value exceeds Maximum Contaminant Level.
- Sample Diluted Due to Matrix
- Holding times for preparation or analysis exceeded H
- ND Not Detected at the Reporting Limit
- Practical Quanitative Limit PQL
- % Recovery outside of standard limits. If undiluted results may be estimated.
- Analyte detected in the associated Method Blank
- Above Quantitation Range/Estimated Value E
- J Analyte detected below quantitation limits
- Sample pH Not In Range
- Reporting Limit



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com **Analytical Report**

(consolidated)

WO#:

2211248

Date Reported:

11/11/2022

CLIENT:

R & R Environmental

Barry Miller

Project: Lab ID:

2211248-006

Client Sample ID S-26A 1'

Collection Date: 11/3/2022 9:25:00 AM

Matrix: SOIL

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS			E300		Analyst: JTT
Chloride	ND	60	mg/Kg	20	11/8/2022 4:20:20 PM
BTEX/GRO/DRO SOIL EPA METHOD 8015M/D: DIESEL RANG	E ORGANI	cs	SW8015		Analyst: DGH
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	11/8/2022 2:13:15 AM
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	11/8/2022 2:13:15 AM
Surr: DNOP	91.9	21 - 129	%Rec	1	11/8/2022 2:13:15 AM
BTEX/GRO/DRO SOIL EPA METHOD 8015D: GASOLINE RANG	GE		SW8015	SW	/5035 Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	11/7/2022 3:54:00 PM
Surr: BFB	90.8	37.7 - 212	%Rec	1	11/7/2022 3:54:00 PM
BTEX/GRO/DRO SOIL EPA METHOD 8021B: VOLATILES			SW8021	SW	/5035 Analyst: CCM
Benzene	ND	0.024	mg/Kg	1	11/7/2022 3:54:00 PM
Toluene	ND	0.049	mg/Kg	1	11/7/2022 3:54:00 PM
Ethylbenzene	ND	0.049	mg/Kg	1	11/7/2022 3:54:00 PM
Xylenes, Total	ND	0.097	mg/Kg	1	11/7/2022 3:54:00 PM
Surr: 4-Bromofluorobenzene	104	70 - 130	%Rec	1	11/7/2022 3:54:00 PM

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 standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit



Hall Environmental Analysis Laboratory 4901 Hawkins NE

Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

Analytical Report

(consolidated)

WO#:

Date Reported: 11/11/2022

CLIENT:

R & R Environmental

Matrix: SOIL

Collection Date: 11/3/2022 9:30:00 AM

Project:

Barry Miller

Lab ID:

2211248-007

Client Sample ID S-27A 1'

Analyses	Result	RL Qua	l Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS			E300		Analyst: JTT
Chloride	ND	60	mg/Kg	20	11/8/2022 4:32:40 PM
BTEX/GRO/DRO SOIL EPA METHOD 8015M/D: DIESEL RANGI	E ORGANI	cs	SW8015		Analyst: DGH
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	11/8/2022 2:23:54 AM
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	11/8/2022 2:23:54 AM
Surr: DNOP	90.8	21 - 129	%Rec	1	11/8/2022 2:23:54 AM
BTEX/GRO/DRO SOIL EPA METHOD 8015D: GASOLINE RANG	Ε		SW8015	SW	Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	11/7/2022 4:14:00 PM
Surr: BFB	91.0	37.7 - 212	%Rec	1	11/7/2022 4:14:00 PM
BTEX/GRO/DRO SOIL EPA METHOD 8021B: VOLATILES			SW8021	SW	Analyst: CCM
Benzene	ND	0.023	mg/Kg	1	11/7/2022 4:14:00 PM
Toluene	ND	0.047	mg/Kg	1	11/7/2022 4:14:00 PM
Ethylbenzene	ND	0.047	mg/Kg	1	11/7/2022 4:14:00 PM
Xylenes, Total	ND	0.094	mg/Kg	1	11/7/2022 4:14:00 PM
Surr: 4-Bromofluorobenzene	102	70 - 130	%Rec	1	11/7/2022 4:14:00 PM

Qualifiers:

Value exceeds Maximum Contaminant Level.

Sample Diluted Due to Matrix

Holding times for preparation or analysis exceeded Н

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

% Recovery outside of standard limits. If undiluted results may be estimated.

Analyte detected in the associated Method Blank В

Above Quantitation Range/Estimated Value E

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit



Hall Environmental Analysis Laboratory

4901 Hawkins NE Albuquerque, NM 87109

TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com **Analytical Report**

(consolidated)

WO#:

2211248

Date Reported:

11/11/2022

CLIENT:

R & R Environmental

Collection Date: 11/3/2022 9:35:00 AM

Project: Lab ID:

Barry Miller

Matrix: SOIL

2211248-008

Client Sample ID S-28A 1'

Analyses	Result	RL Qual	Units	DF	Date Analyzed	
EPA METHOD 300.0: ANIONS			E300		Analyst: J	ITT
Chloride	210	60	mg/Kg	20	11/8/2022 4:45:01 F	PM
BTEX/GRO/DRO SOIL EPA METHOD 8015M/D: DIESEL RANGE	ORGANI	cs	SW8015		Analyst: [)GH
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	11/8/2022 2:34:33 A	AM
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	11/8/2022 2:34:33 A	M
Surr: DNOP	90.0	21 - 129	%Rec	1	11/8/2022 2:34:33 A	M
BTEX/GRO/DRO SOIL EPA METHOD 8015D: GASOLINE RANG	E		SW8015	SW	/5035 Analyst: C	CM
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	11/7/2022 4:33:00 P	M
Surr: BFB	90.6	37.7 - 212	%Rec	1	11/7/2022 4:33:00 P	M
BTEX/GRO/DRO SOIL EPA METHOD 8021B: VOLATILES			SW8021	SW	/5035 Analyst: C	СМ
Benzene	ND	0.024	mg/Kg	1	11/7/2022 4:33:00 P	M
Toluene	ND	0.047	mg/Kg	1	11/7/2022 4:33:00 P	M
Ethylbenzene	ND	0.047	mg/Kg	1	11/7/2022 4:33:00 P	M
Xylenes, Total	ND	0.095	mg/Kg	1	11/7/2022 4:33:00 P	M
Surr: 4-Bromofluorobenzene	105	70 - 130	%Rec	1	11/7/2022 4:33:00 P	М

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

% Recovery outside of standard limits. If undiluted results may be estimated.

В Analyte detected in the associated Method Blank

Above Quantitation Range/Estimated Value E

Analyte detected below quantitation limits

Sample pH Not In Range

RL Reporting Limit



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107

Website: www.hallenvironmental.com

Analytical Report

(consolidated)

WO#:

2211248

Date Reported: 11/11/2022

CLIENT:

R & R Environmental

Collection Date: 11/3/2022 9:40:00 AM

Project:

Barry Miller

Lab ID:

2211248-009

Client Sample ID S-29A 1'

Matrix: SOIL

Analyses	Result	RL Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS			E300		Analyst: JTT
Chloride	ND	61	mg/Kg	20	11/8/2022 4:57:21 PM
BTEX/GRO/DRO SOIL EPA METHOD 8015M/D: DIESEL RANGE	ORGANI	cs	SW8015		Analyst: DGH
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	11/8/2022 2:45:11 AM
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	11/8/2022 2:45:11 AM
Surr: DNOP	88.8	21 - 129	%Rec	1	11/8/2022 2:45:11 AM
BTEX/GRO/DRO SOIL EPA METHOD 8015D: GASOLINE RANG	E		SW8015	SW	75035 Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	11/7/2022 4:53:00 PM
Surr: BFB	92.7	37.7 - 212	%Rec	1	11/7/2022 4:53:00 PM
BTEX/GRO/DRO SOIL EPA METHOD 8021B: VOLATILES			SW8021	SW	75035 Analyst: CCM
Benzene	ND	0.024	mg/Kg	1	11/7/2022 4:53:00 PM
Toluene	ND	0.049	mg/Kg	1	11/7/2022 4:53:00 PM
Ethylbenzene	ND	0.049	mg/Kg	1	11/7/2022 4:53:00 PM
Xylenes, Total	ND	0.097	mg/Kg	1	11/7/2022 4:53:00 PM
Surr: 4-Bromofluorobenzene	105	70 - 130	%Rec	1	11/7/2022 4:53:00 PM

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
- Practical Quanitative Limit PQL
- % Recovery outside of standard limits. If undiluted results may be estimated.
- Analyte detected in the associated Method Blank В
- Above Quantitation Range/Estimated Value E
- J Analyte detected below quantitation limits
- Sample pH Not In Range
- Reporting Limit RL



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107

Website: www.hallenvironmental.com

Analytical Report

(consolidated)

WO#:

2211248

Date Reported: 11/11/2022

CLIENT:

R & R Environmental

Collection Date: 11/3/2022 9:45:00 AM

Project: Lab ID: Barry Miller

2211248-010

Matrix: SOIL

Client Sample ID S-30A 1'

Analyses	Result	RL Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS			E300		Analyst: JTT
Chloride	ND	60	mg/Kg	20	11/8/2022 11:20:05 PM
BTEX/GRO/DRO SOIL EPA METHOD 8015M/D: DIESEL RANGE	ORGANI	cs	SW8015		Analyst: DGH
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	11/8/2022 2:55:47 AM
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	11/8/2022 2:55:47 AM
Surr: DNOP	90.6	21 - 129	%Rec	1	11/8/2022 2:55:47 AM
BTEX/GRO/DRO SOIL EPA METHOD 8015D: GASOLINE RANGI	E		SW8015	SW	75035 Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	11/7/2022 5:13:00 PM
Surr: BFB	91.2	37.7 - 212	%Rec	1	11/7/2022 5:13:00 PM
BTEX/GRO/DRO SOIL EPA METHOD 8021B: VOLATILES			SW8021	SW	5035 Analyst: CCM
Benzene	ND	0.024	mg/Kg	1	11/7/2022 5:13:00 PM
Toluene	ND	0.048	mg/Kg	1	11/7/2022 5:13:00 PM
Ethylbenzene	ND	0.048	mg/Kg	1	11/7/2022 5:13:00 PM
Xylenes, Total	ND	0.096	mg/Kg	1	11/7/2022 5:13:00 PM
Surr: 4-Bromofluorobenzene	104	70 - 130	%Rec	1	11/7/2022 5:13:00 PM

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

% Recovery outside of standard limits. If undiluted results may be estimated.

Analyte detected in the associated Method Blank В

Above Quantitation Range/Estimated Value E

Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit



Hall Environmental Analysis Laboratory 4901 Hawkins NE

Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107

Website: www.hallenvironmental.com

Analytical Report

(consolidated)

WO#:

2211248

Date Reported: 11/11/2022

CLIENT:

R & R Environmental

Collection Date: 11/3/2022 9:50:00 AM

Project: Lab ID: Barry Miller

2211248-011

Matrix: SOIL

Client Sample ID S-31A 1'

Analyses	Result	RL Q	Qual Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS			E300		Analyst: JTT
Chloride	ND	60	mg/Kg	20	11/8/2022 11:32:26 PM
BTEX/GRO/DRO SOIL EPA METHOD 8015M/D: DIESEL RANGE	ORGANI	cs	SW8015		Analyst: DGH
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	11/8/2022 3:06:23 AM
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	11/8/2022 3:06:23 AM
Surr: DNOP	89.8	21 - 129	%Rec	1	11/8/2022 3:06:23 AM
BTEX/GRO/DRO SOIL EPA METHOD 8015D: GASOLINE RANGE	Ξ		SW8015	S	W5035 Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	11/7/2022 5:32:00 PM
Surr: BFB	95.1	37.7 - 212	%Rec	1	11/7/2022 5:32:00 PM
BTEX/GRO/DRO SOIL EPA METHOD 8021B: VOLATILES			SW8021	S	W5035 Analyst: CCM
Benzene	ND	0.024	mg/Kg	1	11/7/2022 5:32:00 PM
Toluene	ND	0.048	mg/Kg	1	11/7/2022 5:32:00 PM
Ethylbenzene	ND	0.048	mg/Kg	1	11/7/2022 5:32:00 PM
Xylenes, Total	ND	0.097	mg/Kg	1	11/7/2022 5:32:00 PM
Surr: 4-Bromofluorobenzene	104	70 - 130	%Rec	1	11/7/2022 5:32:00 PM

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 standard limits. If undiluted results may be estimated.

Analyte detected in the associated Method Blank

Above Quantitation Range/Estimated Value Analyte detected below quantitation limits

Sample pH Not In Range

Reporting Limit RL



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

Analytical Report

(consolidated)

WO#:

2211248

Date Reported: 11/11/2022

CLIENT:

R & R Environmental

Collection Date: 11/3/2022 9:55:00 AM

Project: Lab ID:

Barry Miller

2211248-012

Matrix: SOIL

Client Sample ID S-32A 1'

Analyses	Result	RL Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS			E300		Analyst: JTT
Chloride	ND	60	mg/Kg	20	11/8/2022 11:44:46 PM
BTEX/GRO/DRO SOIL EPA METHOD 8015M/D: DIESEL RANGE	ORGANI	cs	SW8015		Analyst: DGH
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	11/8/2022 3:16:58 AM
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	11/8/2022 3:16:58 AM
Surr: DNOP	85.2	21 - 129	%Rec	1	11/8/2022 3:16:58 AM
BTEX/GRO/DRO SOIL EPA METHOD 8015D: GASOLINE RANGI	E		SW8015	SW	5035 Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	11/7/2022 5:52:00 PM
Surr: BFB	94.8	37.7 - 212	%Rec	1	11/7/2022 5:52:00 PM
BTEX/GRO/DRO SOIL EPA METHOD 8021B: VOLATILES			SW8021	SW	Analyst: CCM
Benzene	ND	0.025	mg/Kg	1	11/7/2022 5:52:00 PM
Toluene	ND	0.049	mg/Kg	1	11/7/2022 5:52:00 PM
Ethylbenzene	ND	0.049	mg/Kg	1	11/7/2022 5:52:00 PM
Xylenes, Total	ND	0.098	mg/Kg	1	11/7/2022 5:52:00 PM
Surr: 4-Bromofluorobenzene	103	70 - 130	%Rec	1	11/7/2022 5:52:00 PM

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 standard limits. If undiluted results may be estimated.

Analyte detected in the associated Method Blank

Above Quantitation Range/Estimated Value E

Analyte detected below quantitation limits

P Sample pH Not In Range

Reporting Limit



Hall Environmental Analysis Laboratory 4901 Hawkins NE

Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com **Analytical Report**

(consolidated)

WO#:

Matrix: SOIL

Date Reported: 11/11/2022

CLIENT:

R & R Environmental

Collection Date: 11/3/2022 10:00:00 AM

Project:

Barry Miller

Lab ID:

2211248-013

Client Sample ID S-33A 1'

Surr: 4-Bromofluorobenzene

Analyses	Result	RL Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS			E300		Analyst: JTT
Chloride	ND	60	mg/Kg	20	11/8/2022 11:57:07 PM
BTEX/GRO/DRO SOIL EPA METHOD 8015M/D: DIESEL RANGE	ORGANI	cs	SW8015		Analyst: DGH
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	11/8/2022 3:27:32 AM
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	11/8/2022 3:27:32 AM
Surr: DNOP	86.1	21 - 129	%Rec	1	11/8/2022 3:27:32 AM
BTEX/GRO/DRO SOIL EPA METHOD 8015D: GASOLINE RANG	E		SW8015	SW	/5035 Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	11/7/2022 6:12:00 PM
Surr: BFB	93.3	37.7 - 212	%Rec	1	11/7/2022 6:12:00 PM
BTEX/GRO/DRO SOIL EPA METHOD 8021B: VOLATILES			SW8021	SW	/5035 Analyst: CCM
Benzene	ND	0.023	mg/Kg	1	11/7/2022 6:12:00 PM
Toluene	ND	0.047	mg/Kg	1	11/7/2022 6:12:00 PM
Ethylbenzene	ND	0.047	mg/Kg	1	11/7/2022 6:12:00 PM
Xylenes, Total	ND	0.093	mg/Kg	1	11/7/2022 6:12:00 PM

70 - 130

107

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 standard limits. If undiluted results may be estimated.

Analyte detected in the associated Method Blank В

1

- Above Quantitation Range/Estimated Value
- Analyte detected below quantitation limits J
- Sample pH Not In Range
- RL Reporting Limit

%Rec

Released to Imaging: 3/30/2023 9:21:17 AM

11/7/2022 6:12:00 PM



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107

Website: www.hallenvironmental.com

Analytical Report

(consolidated)

WO#:

2211248

Date Reported: 11/11/2022

CLIENT:

R & R Environmental

Collection Date: 11/3/2022 10:30:00 AM

Project:

Barry Miller

Lab ID:

2211248-014

Matrix: SOIL

Client Sample ID SW1

Analyses	Result	RL Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS			E300		Analyst: JTT
Chloride	210	60	mg/Kg	20	11/9/2022 12:09:27 AM
BTEX/GRO/DRO SOIL EPA METHOD 8015M/D: DIESEL RANGE	ORGANI	cs	SW8015		Analyst: DGH
Diesel Range Organics (DRO)	19	15	mg/Kg	1	11/8/2022 3:38:05 AM
Motor Oil Range Organics (MRO)	110	49	mg/Kg	1	11/8/2022 3:38:05 AM
Surr: DNOP	85.2	21 - 129	%Rec	1	11/8/2022 3:38:05 AM
BTEX/GRO/DRO SOIL EPA METHOD 8015D: GASOLINE RANG	E		SW8015	sw	5035 Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	11/7/2022 6:32:00 PM
Surr: BFB	92.2	37.7 - 212	%Rec	1	11/7/2022 6:32:00 PM
BTEX/GRO/DRO SOIL EPA METHOD 8021B: VOLATILES			SW8021	SW	5035 Analyst: CCM
Benzene	ND	0.025	mg/Kg	1	11/7/2022 6:32:00 PM
Toluene	ND	0.049	mg/Kg	1	11/7/2022 6:32:00 PM
Ethylbenzene	ND	0.049	mg/Kg	1	11/7/2022 6:32:00 PM
Xylenes, Total	ND	0.098	mg/Kg	1	11/7/2022 6:32:00 PM
Surr: 4-Bromofluorobenzene	103	70 - 130	%Rec	1	11/7/2022 6:32:00 PM

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 standard limits. If undiluted results may be estimated.

Analyte detected in the associated Method Blank

Above Quantitation Range/Estimated Value E

Analyte detected below quantitation limits

Sample pH Not In Range

RL Reporting Limit



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

Analytical Report

(consolidated)

2211248

Date Reported: 11/11/2022

WO#:

CLIENT:

R & R Environmental

Collection Date: 11/3/2022 10:35:00 AM

Project:

Barry Miller

Lab ID:

2211248-015

Client Sample ID SW2

Matrix: SOIL

Analyses	Result	RL Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS			E300		Analyst: JTT
Chloride	ND	60	mg/Kg	20	11/9/2022 12:21:47 AM
BTEX/GRO/DRO SOIL EPA METHOD 8015M/D: DIESEL RANG	E ORGANI	cs	SW8015		Analyst: DGH
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	11/8/2022 10:09:58 AM
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	11/8/2022 10:09:58 AM
Surr: DNOP	102	21 - 129	%Rec	1	11/8/2022 10:09:58 AM
BTEX/GRO/DRO SOIL EPA METHOD 8015D: GASOLINE RANG	SE.		SW8015	SW	5035 Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	11/7/2022 4:03:13 PM
Surr: BFB	88.4	37.7 - 212	%Rec	1	11/7/2022 4:03:13 PM
BTEX/GRO/DRO SOIL EPA METHOD 8021B: VOLATILES			SW8021	SW	75035 Analyst: NSB
Benzene	ND	0.024	mg/Kg	1	11/7/2022 4:03:13 PM
Toluene	ND	0.048	mg/Kg	1	11/7/2022 4:03:13 PM
Ethylbenzene	ND	0.048	mg/Kg	1	11/7/2022 4:03:13 PM
Xylenes, Total	ND	0.097	mg/Kg	1	11/7/2022 4:03:13 PM
Surr: 4-Bromofluorobenzene	92.1	70 - 130	%Rec	1	11/7/2022 4:03:13 PM

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
 - % Recovery outside of standard limits. If undiluted results may be estimated.
- Analyte detected in the associated Method Blank В
- Above Quantitation Range/Estimated Value E
- Analyte detected below quantitation limits J
- Sample pH Not In Range
- Reporting Limit RL



Hall Environmental Analysis Laboratory

4901 Hawkins NE Albuquerque, NM 87109

TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com **Analytical Report**

(consolidated)

WO#:

2211248

Date Reported: 11/11/2022

CLIENT:

R & R Environmental

Collection Date: 11/3/2022 10:40:00 AM

Project:

Barry Miller

Lab ID:

2211248-016

Matrix: SOIL

Client Sample ID SW3

Analyses	Result	RL Qu	ual Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS			E300		Analyst: JTT
Chloride	ND	60	mg/Kg	20	11/9/2022 12:34:08 AM
BTEX/GRO/DRO SOIL EPA METHOD 8015M/D: DIESEL RANGE	ORGANI	cs	SW8015		Analyst: DGH
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	11/8/2022 10:21:40 AM
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	11/8/2022 10:21:40 AM
Surr: DNOP	96.2	21 - 129	%Rec	1	11/8/2022 10:21:40 AM
BTEX/GRO/DRO SOIL EPA METHOD 8015D: GASOLINE RANGI	E		SW8015	SW	75035 Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	11/7/2022 5:14:14 PM
Surr: BFB	84.8	37.7 - 212	%Rec	1	11/7/2022 5:14:14 PM
BTEX/GRO/DRO SOIL EPA METHOD 8021B: VOLATILES			SW8021	sw	5035 Analyst: NSB
Benzene	ND	0.024	mg/Kg	1	11/7/2022 5:14:14 PM
Toluene	ND	0.049	mg/Kg	1	11/7/2022 5:14:14 PM
Ethylbenzene	ND	0.049	mg/Kg	1	11/7/2022 5:14:14 PM
Xylenes, Total	ND	0.098	mg/Kg	1	11/7/2022 5:14:14 PM
Surr: 4-Bromofluorobenzene	88.6	70 - 130	%Rec	1	11/7/2022 5:14:14 PM

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

% Recovery outside of standard limits. If undiluted results may be estimated.

Analyte detected in the associated Method Blank

Above Quantitation Range/Estimated Value Analyte detected below quantitation limits J

Sample pH Not In Range

Reporting Limit RL



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

Analytical Report

(consolidated)

2211248

Date Reported: 11/11/2022

WO#:

CLIENT:

R & R Environmental

Matrix: SOIL

Collection Date: 11/3/2022 10:45:00 AM

Project:

Barry Miller

Lab ID:

2211248-017

Client Sample ID SW4

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS			E300		Analyst: JTT
Chloride	150	60	mg/Kg	20	11/9/2022 12:46:28 AM
BTEX/GRO/DRO SOIL EPA METHOD 8015M/D: DIESEL RANG	E ORGANI	cs	SW8015		Analyst: DGH
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	11/8/2022 11:48:50 AM
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	11/8/2022 11:48:50 AM
Surr: DNOP	104	21 - 129	%Rec	1	11/8/2022 11:48:50 AM
BTEX/GRO/DRO SOIL EPA METHOD 8015D: GASOLINE RANG	GE .		SW8015	SW	V5035 Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	11/7/2022 7:35:53 PM
Surr: BFB	85.3	37.7 - 212	%Rec	1	11/7/2022 7:35:53 PM
BTEX/GRO/DRO SOIL EPA METHOD 8021B: VOLATILES			SW8021	SW	/5035 Analyst: NSB
Benzene	ND	0.023	mg/Kg	1	11/7/2022 7:35:53 PM
Toluene	ND	0.047	mg/Kg	1	11/7/2022 7:35:53 PM
Ethylbenzene	ND	0.047	mg/Kg	1	11/7/2022 7:35:53 PM
Xylenes, Total	ND	0.093	mg/Kg	1	11/7/2022 7:35:53 PM
Surr: 4-Bromofluorobenzene	89.9	70 - 130	%Rec	1	11/7/2022 7:35:53 PM

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

Practical Quanitative Limit PQL

% Recovery outside of standard limits. If undiluted results may be estimated.

Analyte detected in the associated Method Blank В

Above Quantitation Range/Estimated Value E

J Analyte detected below quantitation limits

Sample pH Not In Range

Reporting Limit RL



Hall Environmental Analysis Laboratory

4901 Hawkins NE

Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107

Website: www.hallenvironmental.com

Analytical Report

(consolidated)

WO#:

2211248

Date Reported:

11/11/2022

CLIENT:

R & R Environmental

Collection Date: 11/3/2022 10:50:00 AM

Project:

Barry Miller

Matrix: SOIL

Lab ID:

2211248-018

Client Sample ID BG1

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS			E300		Analyst: JTT
Chloride	ND	60	mg/Kg	20	11/9/2022 1:23:31 AM
BTEX/GRO/DRO SOIL EPA METHOD 8015M/D: DIESEL RANG	GE ORGANI	cs	SW8015		Analyst: DGH
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	11/8/2022 12:21:25 PM
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	11/8/2022 12:21:25 PM
Surr: DNOP	99.5	21 - 129	%Rec	1	11/8/2022 12:21:25 PM
BTEX/GRO/DRO SOIL EPA METHOD 8015D: GASOLINE RAN	GE		SW8015	SW	/5035 Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	11/7/2022 7:59:20 PM
Surr: BFB	86.2	37.7 - 212	%Rec	1	11/7/2022 7:59:20 PM
BTEX/GRO/DRO SOIL EPA METHOD 8021B: VOLATILES			SW8021	SW	/5035 Analyst: NSB
Benzene	ND	0.023	mg/Kg	1	11/7/2022 7:59:20 PM
Toluene	ND	0.047	mg/Kg	1	11/7/2022 7:59:20 PM
Ethylbenzene	ND	0.047	mg/Kg	1	11/7/2022 7:59:20 PM
Xylenes, Total	ND	0.094	mg/Kg	1	11/7/2022 7:59:20 PM
Surr: 4-Bromofluorobenzene	90.9	70 - 130	%Rec	1	11/7/2022 7:59:20 PM

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 standard limits. If undiluted results may be estimated.

Analyte detected in the associated Method Blank В

Above Quantitation Range/Estimated Value

Analyte detected below quantitation limits

Sample pH Not In Range

Reporting Limit RL



Hall Environmental Analysis Laboratory 4901 Hawkins NE

Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

Analytical Report

(consolidated)

WO#:

2211248

Date Reported: 11/11/2022

CLIENT:

R & R Environmental

Barry Miller

Project: Lab ID:

2211248-019

Client Sample ID BG2

Collection Date: 11/3/2022 10:55:00 AM

Matrix: SOIL

Analyses	Result	RL Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS			E300		Analyst: JTT
Chloride	ND	60	mg/Kg	20	11/9/2022 1:35:52 AM
BTEX/GRO/DRO SOIL EPA METHOD 8015M/D: DIESEL RANGI	ORGANIC	cs	SW8015		Analyst: DGH
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	11/8/2022 12:32:09 PM
Motor Oil Range Organics (MRO)	54	50	mg/Kg	1	11/8/2022 12:32:09 PM
Surr: DNOP	113	21 - 129	%Rec	1	11/8/2022 12:32:09 PM
BTEX/GRO/DRO SOIL EPA METHOD 8015D: GASOLINE RANG	E		SW8015	SW5	035 Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	11/7/2022 8:22:58 PM
Surr: BFB	86.0	37.7 - 212	%Rec	1	11/7/2022 8:22:58 PM
BTEX/GRO/DRO SOIL EPA METHOD 8021B: VOLATILES	(in		SW8021	SW50	035 Analyst: NSB
Benzene	ND	0.024	mg/Kg	1	11/7/2022 8:22:58 PM
Toluene	ND	0.047	mg/Kg	1	11/7/2022 8:22:58 PM
Ethylbenzene	ND	0.047	mg/Kg	1	11/7/2022 8:22:58 PM
Xylenes, Total	ND	0.094	mg/Kg	1	11/7/2022 8:22:58 PM
Surr: 4-Bromofluorobenzene	90.3	70 - 130	%Rec	1	11/7/2022 8:22:58 PM

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit ND
- PQL Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated.
- Analyte detected in the associated Method Blank В
- Above Quantitation Range/Estimated Value
- Analyte detected below quantitation limits
- Sample pH Not In Range
- RL Reporting Limit



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com **Analytical Report**

(consolidated)

WO#:

2211248

Date Reported: 11/11/2022

CLIENT:

R & R Environmental

Collection Date: 11/3/2022 11:00:00 AM

Project:

Barry Miller 2211248-020

Matrix: SOIL

Lab ID:

Client Sample ID BG3

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS			E300		Analyst: NAI
Chloride	ND	60	mg/Kg	20	11/9/2022 5:31:10 PM
BTEX/GRO/DRO SOIL EPA METHOD 8015M/D: DIESEL RANGE	ORGANI	cs	SW8015		Analyst: DGH
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	11/8/2022 12:42:53 PM
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	11/8/2022 12:42:53 PM
Surr: DNOP	144	21 - 129	S %Rec	1	11/8/2022 12:42:53 PM
BTEX/GRO/DRO SOIL EPA METHOD 8015D: GASOLINE RANGE	E		SW8015	sw	5035 Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	11/7/2022 8:46:34 PM
Surr: BFB	85.2	37.7 - 212	%Rec	1	11/7/2022 8:46:34 PM
BTEX/GRO/DRO SOIL EPA METHOD 8021B: VOLATILES			SW8021	sw	5035 Analyst: NSB
Benzene	ND	0.023	mg/Kg	1	11/7/2022 8:46:34 PM
Toluene	ND	0.047	mg/Kg	1	11/7/2022 8:46:34 PM
Ethylbenzene	ND	0.047	mg/Kg	1	11/7/2022 8:46:34 PM
Xylenes, Total	ND	0.094	mg/Kg	1	11/7/2022 8:46:34 PM
Surr: 4-Bromofluorobenzene	89.6	70 - 130	%Rec	1	11/7/2022 8:46:34 PM

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 standard limits. If undiluted results may be estimated.

Analyte detected in the associated Method Blank В

Above Quantitation Range/Estimated Value

Analyte detected below quantitation limits

Sample pH Not In Range

Reporting Limit RL



Hall Environmental Analysis Laboratory

4901 Hawkins NE Albuquerque, NM 87109

TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com **Analytical Report**

(consolidated)

WO#:

2211248

Date Reported: 11/11/2022

CLIENT:

R & R Environmental

Collection Date: 11/3/2022 11:05:00 AM

Project: Lab ID:

Barry Miller

2211248-021

Matrix: SOIL

Client Sample ID BG4

Analyses	Result	RL Qua	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS			E300		Analyst: NAI
Chloride	ND	60	mg/Kg	20	11/9/2022 6:08:22 PM
BTEX/GRO/DRO SOIL EPA METHOD 8015M/D: DIESEL RANGE	ORGANI	cs	SW8015		Analyst: DGH
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	11/8/2022 12:53:38 PM
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	11/8/2022 12:53:38 PM
Surr: DNOP	100	21 - 129	%Rec	1	11/8/2022 12:53:38 PM
BTEX/GRO/DRO SOIL EPA METHOD 8015D: GASOLINE RANG	E		SW8015	SW	/5035 Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.6	mg/Kg	1	11/7/2022 9:10:05 PM
Surr: BFB	84.2	37.7 - 212	%Rec	1	11/7/2022 9:10:05 PM
BTEX/GRO/DRO SOIL EPA METHOD 8021B: VOLATILES	,		SW8021	SW	/5035 Analyst: NSB
Benzene	ND	0.023	mg/Kg	1	11/7/2022 9:10:05 PM
Toluene	ND	0.046	mg/Kg	1	11/7/2022 9:10:05 PM
Ethylbenzene	ND	0.046	mg/Kg	1	11/7/2022 9:10:05 PM
Xylenes, Total	ND	0.092	mg/Kg	1	11/7/2022 9:10:05 PM
Surr: 4-Bromofluorobenzene	89.1	70 - 130	%Rec	1	11/7/2022 9:10:05 PM

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- Sample Diluted Due to Matrix D
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated.
- В Analyte detected in the associated Method Blank
- Above Quantitation Range/Estimated Value E
- Analyte detected below quantitation limits
- Sample pH Not In Range P
- Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

WO#: 2211248 11-Nov-22

Client:

R & R Environmental

Project:	Bar	ry Miller	
Sample ID:	MB-71360	SampType: MBLK TestCode: EPA Method 300.0: Anions	
Client ID:	PBS	Batch ID: 71360 RunNo: 92424	
Prep Date:	11/8/2022	Analysis Date: 11/8/2022 SeqNo: 3321854 Units: mg/Kg	
Analyte		Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qu	ual
Chloride		ND 1.5	
Sample ID:	LCS-71360	SampType: LCS TestCode: EPA Method 300.0: Anions	
Client ID:	LCSS	Batch ID: 71360 RunNo: 92424	
Prep Date:	11/8/2022	Analysis Date: 11/8/2022 SeqNo: 3321855 Units: mg/Kg	
Analyte		Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qu	ual
Chloride		14 1.5 15.00 0 93.9 90 110	
Sample ID:	MB-71373	SampType: MBLK TestCode: EPA Method 300.0: Anions	
Client ID:	PBS	Batch ID: 71373 RunNo: 92424	
Prep Date:	11/8/2022	Analysis Date: 11/8/2022 SeqNo: 3321884 Units: mg/Kg	
Analyte		Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qu	ual
Chloride		ND 1.5	
Sample ID:	LCS-71373	SampType: LCS TestCode: EPA Method 300.0: Anions	
Client ID:	LCSS	Batch ID: 71373 RunNo: 92424	
Prep Date:	11/8/2022	Analysis Date: 11/8/2022 SeqNo: 3321885 Units: mg/Kg	
Analyte		Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qu	ıal
Chloride		14 1.5 15.00 0 93.7 90 110	
Sample ID: I	MB-71398	SampType: mblk TestCode: EPA Method 300.0: Anions	
Client ID:	PBS	Batch ID: 71398 RunNo: 92446	
Prep Date:	11/9/2022	Analysis Date: 11/9/2022 SeqNo: 3323859 Units: mg/Kg	
Analyte		Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qua	ıal
Chloride		ND 1.5	
Sample ID: I	LCS-71398	SampType: Ics TestCode: EPA Method 300.0: Anions	
Client ID: L	LCSS	Batch ID: 71398 RunNo: 92446	
Prep Date:	11/9/2022	Analysis Date: 11/9/2022 SeqNo: 3323860 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 94.8 90 110	

Received by OCD: 12/16/2022 9:25:36 AM Qualifiers:

- Value exceeds Maximum Contaminant Level.
- Sample Diluted Due to Matrix
- Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit
- Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated.
- Analyte detected in the associated Method Blank
- Above Quantitation Range/Estimated Value E
- Analyte detected below quantitation limits
- Sample pH Not In Range
- RL Reporting Limit

Page 22 of 27

Hall Environmental Analysis Laboratory, Inc.

WO#: 2211248

11-Nov-22

Client:

R & R Environmental

Project: Barry M	liller									
Sample ID: LCS-71298	SampTyp	e: LC	s	Tes	TestCode: EPA Method 8015M/D: Diesel Range Organics					
Client ID: LCSS	Batch II	D: 712	298	RunNo: 92379						
Prep Date: 11/4/2022	Analysis Date	e: 11	/7/2022	\$	SeqNo: 3	320993	Units: mg/K	g		
Analyte	Result F	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	49	15	50.00	0	97.6	64.4	127			
Surr: DNOP	5.8		5.000		117	21	129			
Sample ID: LCS-71310	SampTyp	e: LC	S	Tes	tCode: EF	PA Method	8015M/D: Die	sel Range	Organics	
Client ID: LCSS	Batch ID	D: 713	10	F	RunNo: 92	2379				
Prep Date: 11/4/2022	Analysis Date	e: 11	/8/2022	5	SeqNo: 3	320994	Units: mg/K	g		
Analyte	Result F	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	44	15	50.00	0	88.3	64.4	127			
Surr: DNOP	4.8		5.000		96.4	21	129			
								The second secon		
Sample ID: MB-71298	SampType	e: MB	LK	Tes	tCode: EF	A Method	8015M/D: Die:	sel Range	Organics	
Sample ID: MB-71298 Client ID: PBS	SampType Batch ID				tCode: EF		8015M/D: Die:	sel Range	Organics	
): 712	98	F		2379	8015M/D: Die		Organics	
Client ID: PBS	Batch ID): 712	98 /7/2022	F	RunNo: 92 SeqNo: 33	2379			Organics RPDLimit	Qual
Client ID: PBS Prep Date: 11/4/2022 Analyte Diesel Range Organics (DRO)	Batch ID Analysis Date Result F	D: 712 e: 11 / PQL 15	98 /7/2022	F	RunNo: 92 SeqNo: 33	2379 320995	Units: mg/K	9		Qual
Client ID: PBS Prep Date: 11/4/2022 Analyte Diesel Range Organics (DRO) Motor Oil Range Organics (MRO)	Batch ID Analysis Date Result F ND ND	D: 712 E: 11 /	98 /7/2022 SPK value	F	RunNo: 92 SeqNo: 33 %REC	2379 320995 LowLimit	Units: mg/K	9		Qual
Client ID: PBS Prep Date: 11/4/2022 Analyte Diesel Range Organics (DRO)	Batch ID Analysis Date Result F	D: 712 e: 11 / PQL 15	98 /7/2022	F	RunNo: 92 SeqNo: 33	2379 320995	Units: mg/K	9		Qual
Client ID: PBS Prep Date: 11/4/2022 Analyte Diesel Range Organics (DRO) Motor Oil Range Organics (MRO)	Batch ID Analysis Date Result F ND ND	D: 712 D: 712 D: 11 PQL 15 50	98 77/2022 SPK value 10.00	F SPK Ref Val	RunNo: 92 SeqNo: 33 %REC 103	2379 320995 LowLimit	Units: mg/K	9 %RPD	RPDLimit	Qual
Client ID: PBS Prep Date: 11/4/2022 Analyte Diesel Range Organics (DRO) Motor Oil Range Organics (MRO) Surr: DNOP	Batch ID Analysis Date Result F ND ND 10	D: 712 D: 712 D: 11 D: 15 D: 50 D: MB	98 77/2022 SPK value 10.00	SPK Ref Val	RunNo: 92 SeqNo: 33 %REC 103	2379 320995 LowLimit 21	Units: mg/K HighLimit 129	9 %RPD	RPDLimit	Qual
Client ID: PBS Prep Date: 11/4/2022 Analyte Diesel Range Organics (DRO) Motor Oil Range Organics (MRO) Surr: DNOP Sample ID: MB-71310	Batch ID Analysis Date Result F ND ND 10 SampType	PQL 15 50 9: MBI 0: 713	98 17/2022 SPK value 10.00 LK 10	SPK Ref Val Tes	RunNo: 92 SeqNo: 33 %REC 103	2379 820995 LowLimit 21 PA Method	Units: mg/K HighLimit 129	g %RPD sel Range	RPDLimit	Qual
Client ID: PBS Prep Date: 11/4/2022 Analyte Diesel Range Organics (DRO) Motor Oil Range Organics (MRO) Surr: DNOP Sample ID: MB-71310 Client ID: PBS	Batch ID Analysis Date Result F ND ND 10 SampType Batch ID Analysis Date	PQL 15 50 9: MBI 0: 713	98 /7/2022 SPK value 10.00 LK 10	SPK Ref Val Tes	RunNo: 92 SeqNo: 33 %REC 103 tCode: EF tunNo: 92 SeqNo: 33	2379 820995 LowLimit 21 PA Method	Units: mg/K HighLimit 129 8015M/D: Dies	g %RPD sel Range	RPDLimit	Qual
Client ID: PBS Prep Date: 11/4/2022 Analyte Diesel Range Organics (DRO) Motor Oil Range Organics (MRO) Surr: DNOP Sample ID: MB-71310 Client ID: PBS Prep Date: 11/4/2022 Analyte Diesel Range Organics (DRO)	Batch ID Analysis Date Result F ND ND 10 SampType Batch ID Analysis Date Result F ND	PQL 15 PQL 1713 PQL 15	98 /7/2022 SPK value 10.00 LK 10	SPK Ref Val Tes	RunNo: 92 SeqNo: 33 %REC 103 tCode: EF RunNo: 92 SeqNo: 33	2379 320995 LowLimit 21 2A Method 3379 320996	Units: mg/K HighLimit 129 8015M/D: Dies Units: mg/K	%RPD sel Range	RPDLimit Organics	
Client ID: PBS Prep Date: 11/4/2022 Analyte Diesel Range Organics (DRO) Motor Oil Range Organics (MRO) Surr: DNOP Sample ID: MB-71310 Client ID: PBS Prep Date: 11/4/2022 Analyte	Batch ID Analysis Date Result F ND ND 10 SampType Batch ID Analysis Date Result F	D: 712 D: 11/ PQL 15 50 D: 713 D: 713	98 /7/2022 SPK value 10.00 LK 10	SPK Ref Val Tes	RunNo: 92 SeqNo: 33 %REC 103 tCode: EF RunNo: 92 SeqNo: 33	2379 320995 LowLimit 21 2A Method 3379 320996	Units: mg/K HighLimit 129 8015M/D: Dies Units: mg/K	%RPD sel Range	RPDLimit Organics	

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- Sample Diluted Due to Matrix
- Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit
- Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated.
- Analyte detected in the associated Method Blank
- Above Quantitation Range/Estimated Value E
- Analyte detected below quantitation limits
- Sample pH Not In Range
- RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

WO#:

2211248

11-Nov-22

Client:

R & R Environmental

Project:

Barry Miller

Project: Barry	ivilliei					
Sample ID: mb-71306	SampType: MBLK	TestCode: EPA Method	I 8015D: Gasoline Range			
Client ID: PBS	Batch ID: 71306	RunNo: 92384				
Prep Date: 11/4/2022	Analysis Date: 11/7/2022	SeqNo: 3319942	Units: mg/Kg			
Analyte	Result PQL SPK valu	e SPK Ref Vall %REC LowLimit	HighLimit %RPD RPDLimit Qual			
Gasoline Range Organics (GRO)	ND 5.0					
Surr: BFB	860 100	0 85.9 37.7 	212 			
Sample ID: Ics-71306	SampType: LCS	TestCode: EPA Method	l 8015D: Gasoline Range			
Client ID: LCSS	Batch ID: 71306	RunNo: 92384				
Prep Date: 11/4/2022	Analysis Date: 11/7/2022	SeqNo: 3319943	Units: mg/Kg			
Analyte	Result PQL SPK valu	e SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual			
Gasoline Range Organics (GRO)	23 5.0 25.00		137			
Surr: BFB	1800 1000	0 183 37.7	212 			
Sample ID: 2211248-015am	s SampType: MS	TestCode: EPA Method	8015D: Gasoline Range			
Client ID: SW2	Batch ID: 71306	RunNo: 92384				
Prep Date: 11/4/2022	Analysis Date: 11/7/2022	SeqNo: 3319945	Units: mg/Kg			
Analyte	Result PQL SPK value	e SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual			
Gasoline Range Organics (GRO)	21 4.8 23.76		130			
Surr: BFB	1700 950.6	S 183 37.7	212			
Sample ID: 2211248-015ams	sd SampType: MSD	TestCode: EPA Method 8015D: Gasoline Range				
Client ID: SW2	Batch ID: 71306	RunNo: 92384				
Prep Date: 11/4/2022	Analysis Date: 11/7/2022	SeqNo: 3319946	Units: mg/Kg			
Analyte		e SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual			
Gasoline Range Organics (GRO)	21 4.7 23.41 1700 936,3		130 2.91 20 212 0 0			
Surr: BFB	1700 936.3	3 181 37.7 	212 0 0			
Sample ID: Ics-71295	SampType: LCS	TestCode: EPA Method	8015D: Gasoline Range			
Client ID: LCSS	Batch ID: 71295	RunNo: 92401				
Prep Date: 11/4/2022	Analysis Date: 11/7/2022	SeqNo: 3320729	Units: mg/Kg			
Analyte		SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual			
Gasoline Range Organics (GRO)	23 5.0 25.00		137			
Surr: BFB	2100 1000	206 37.7	212			
Sample ID: mb-71295	SampType: MBLK	TestCode: EPA Method	8015D: Gasoline Range			
Client ID: PBS	Batch ID: 71295	RunNo: 92401				
Prep Date: 11/4/2022	Analysis Date: 11/7/2022	SeqNo: 3320730	Units: mg/Kg			
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual			

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limi
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 24 of 27

Hall Environmental Analysis Laboratory, Inc.

WO#:

2211248

11-Nov-22

Client:

R & R Environmental

Project:

Barry Miller

Sample ID: mb-71295 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range Client ID: **PBS** Batch ID: 71295 RunNo: 92401 Prep Date: 11/4/2022 Analysis Date: 11/7/2022 SeqNo: 3320730 Units: mg/Kg Analyte Result **PQL** SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Gasoline Range Organics (GRO) ND 5.0

Surr: BFB

1500

1000

149

37.7

212

Qualifiers:

Received by OCD: 12/16/2022 9:25:36 AM

Value exceeds Maximum Contaminant Level.

Sample Diluted Due to Matrix

Holding times for preparation or analysis exceeded

Not Detected at the Reporting Limit

Practical Quanitative Limit

% Recovery outside of standard limits. If undiluted results may be estimated.

Analyte detected in the associated Method Blank

Above Quantitation Range/Estimated Value

Analyte detected below quantitation limits

Sample pH Not In Range

Reporting Limit

Page 25 of 27

WO#:

2211248

11-Nov-22

Hall Environmental Analysis Laboratory, Inc.

Client: Project: R & R Environmental

Barry Miller

QC SUMMARY REPORT

Sample ID: mb-71306	SampT	уре: МЕ	BLK	TestCode: EPA Method 8021B: Volatiles						
Client ID: PBS	Batcl	n ID: 71306 RunNo: 92384								
Prep Date: 11/4/2022	Analysis D	Date: 11	/7/2022	5	SeqNo: 3	319981	Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.90		1.000		90.4	70	130			

Sample ID: LCS-71306	Samp ¹	SampType: LCS TestCode: EPA Method 8						les			
Client ID: LCSS	Batc	Batch ID: 71306 RunNo: 92384									
Prep Date: 11/4/2022	Analysis [Date: 11	/7/2022	5	SeqNo: 3:	319982	Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene	0.97	0.025	1.000	0	97.0	80	120				
Toluene	0.99	0.050	1.000	0	98.6	80	120				
Ethylbenzene	0.98	0.050	1.000	0	98.1	80	120				
Xylenes, Total	3.0	0.10	3.000	0	98.9	80	120				
Surr: 4-Bromofluorobenzene	0.95		1.000		94.5	70	130				

Sample ID: 2211248-016ams	SampType: MS TestCode: EPA Method						8021B: Volati	les			
Client ID: SW3	Batcl	h ID: 713	306	F	RunNo: 92	2384					
Prep Date: 11/4/2022	Analysis D	Date: 11	/7/2022	5	SeqNo: 33	319985	Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene	0.85	0.025	0.9960	0	85.8	68.8	120				
Toluene	0.90	0.050	0.9960	0.01426	89.3	73.6	124				
Ethylbenzene	0.91	0.050	0.9960	0	91.0	72.7	129				
Xylenes, Total	2.7	0.10	2.988	0.01895	91.0	75.7	126				
Surr: 4-Bromofluorobenzene	0.90		0.9960		90.8	70	130				

Sample ID: 2211248-016amsd	Sampl	ype: MS	D	I es	tCode: EF	A Method	8021B: Volati	les		
Client ID: SW3	Batch	ID: 713	806	F	RunNo: 92	2384				
Prep Date: 11/4/2022	Analysis D	ate: 11	/7/2022	5	SeqNo: 33	319986	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.82	0.025	0.9862	0	83.6	68,8	120	3.58	20	
Toluene	0.91	0.049	0.9862	0.01426	90.7	73.6	124	0.539	20	
Ethylbenzene	0.92	0.049	0.9862	0	92.9	72.7	129	1.12	20	
Xylenes, Total	2.8	0.099	2.959	0.01895	93.8	75.7	126	1.99	20	
Surr: 4-Bromofluorobenzene	0.92		0.9862		93.5	70	130	0	0	

Qualifiers:

Received by OCD: 12/16/2022 9:25:36 AM

- Value exceeds Maximum Contaminant Level.
- Sample Diluted Due to Matrix
- Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit
- Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated.
- Analyte detected in the associated Method Blank
- Above Quantitation Range/Estimated Value Analyte detected below quantitation limits E
- Sample pH Not In Range
- RLReporting Limit

Page 26 of 27

Hall Environmental Analysis Laboratory, Inc.

WO#:

2211248

11-Nov-22

Client:

R & R Environmental

Project:

Barry Miller

				-						
Sample ID: Ics-71295	SampT	ype: LC	s	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: LCSS	Batch	ID: 712	295	F	RunNo: 92	2401				
Prep Date: 11/4/2022	Analysis D	ate: 11	/7/2022	\$	SeqNo: 3	320756	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.025	1.000	0	111	80	120			
Toluene	1.1	0.050	1.000	0	113	80	120			
Ethylbenzene	1.1	0.050	1.000	0	114	80	120			
Xylenes, Total	3.4	0.10	3.000	0	113	80	120			
Surr: 4-Bromofluorobenzene	1.1		1.000		109	70	130			
Sample ID: mb-71295	SampTy	/pe: MB	LK	Tes	tCode: EF	PA Method	8021B: Volati	les		
Client ID: PBS	Batch	ID: 712	95	R	lunNo: 92	2401				
Prep Date: 11/4/2022	Analysis Da	ate: 11/	7/2022	S	eqNo: 33	320757	Units: mg/K	g		
Analyte	Result	POL	SPK value	SPK Ref Val	%REC	I owl imit	Highl imit	%RPD	RPDL imit	Qual

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.7		1.000		169	70	130			S

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- Sample Diluted Due to Matrix
- Holding times for preparation or analysis exceeded
- Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated.
- Analyte detected in the associated Method Blank
- Above Quantitation Range/Estimated Value
- Analyte detected below quantitation limits
- Sample pH Not In Range
- Reporting Limit

Page 27 of 27



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque. NM 87109

TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

Sample Log-In Check List

er: 2211248			
		RcptNo:	1
M			
M			
Yes 🗹	No 🗆	Not Present	
Courier			
_	_		
Yes 🗹	No ∐	NA 📙	
Yes 🗹	No 🗌	NA 🗆	
Yes 🗹	No 🗌		
Yes 🗹	No 🗆		
Yes 🔽	No 🗌		
Yes 🗌	No 🗸	NA []	
Yes 🗌	No 🗆	NA 🗹	
Yes	No 🗹	# of preserved	
Yes 🗹	No 🗆	bottles checked for pH:	12 unless noted)
Yes V	No 🗆	Adjusted?	
	No 🗆		KPG 11.L
Yes 🗹	No 🗆	Checked by:	6 H300
	ı		11.4.2
Yes 🗌	No 🗆	na 🔽	
eMail F	hone Fax	☐ In Person	
Control of the Section of the Sectio	entra de la companya	Commission caregorists and a second categorist and a second care	
		national data and combined an advance of the combined and the combined of the	
	Yes V Courier Yes V Yes V Yes V Yes V Yes I Yes I Yes V Yes V Yes V Yes V Yes V Yes V	Yes ♥ No □ Courier Yes ♥ No □ Yes □ No ♥ Yes □ No ♥ Yes □ No □ Yes ♥ No □	Yes ✓ No Not Present □ Courier Yes ✓ No □ NA □ Yes ✓ No □ NA □ □ NA □ NA □ □ NA □ □ NA □ □ NA □ □ □ NA □ □ NA □ □ □ □

O	hain-	of-Cu	ecord	Turn-Around Time:					*	=	4		Č				
Client	Jag F	SCOUNG.	Client Por Church Machan	X Standard	K Rush STOCH.				4 2	MALL ENVI	2 7	Y Z	HALL ENVIRONMENTAL ANALYSIS I ABORATORY	ME		4 0	
				3	20			-	M	/.halle	nviror (ment	www.hallenvironmental.com)	-	
Mailing	Mailing Address: Grown	GRE		1			4901	Haw	4901 Hawkins NE	1	Mbuqi	ierque	Albuquerque, NM 87109	37109			
3	Jackshad.	7	2	Project #:	,		E E	505-3	Tel. 505-345-3975	10	Fax	505-	505-345-4107	20			
Phone	Phone #(5/15)#	13KL	7.100	-5000c						An	alysis	Analysis Request	lest				
email o	r Fax#	Pines (D)	email or Fax# Town Elek Hilly wor war Project Manage	Project Manager:		(1		e e			700		nt)			_	
QAVQC	QA/QC Package:			S SWAN	ころういる	208		80	SW		S 'Þ(əsq				
□ Standard	ndard		☐ Level 4 (Full Validation)) s,		21	1150		ر ا		A\tu				
Accreditation:	itation:	□ Az Co	☐ Az Compliance	Sampler: 12 Lycycy	>	BW.	A	i di sala			^{'2} O		iəsə	•			
D NELAC	AC	□ Other			oN 🗆	L/	-			-	NI "	(A(Pre)		_		
	☐ EDD (Type)			# of Coolers:		38.	- 1						u.				
				Cooler Temp(Including CF); 4.6	(00) Sh = 1.0-91. his	TM	12D	oilse Athel	83 Kg	9W 8	٤۲, <i>1</i> (AOV)	imə	olilo		-		
				Container	vative HEAL No.	/ XΞ						-	al C				
Date	Time	Matrix	Sample Name	Type and # Type	22	TB	100			RC	928		toT				
11/3	4:00		5.214 1'	100	· ~	_)						
	9,05		1 JEC 5		007			-2 6									
	4:10		523n 1		200		i i										
4	9:15		1 who 5		MOO												
	930		15 25/ 1'		SOO				7	-							
	205		1, sale 2		200											_	
	9:30		1 San 1.		-003-			2 -					2				
	9:35		1 28es		900					= []							
	gn6		1 JP65		009		1 22						= =		- 7		
	वं.पर		530 ≥ 1.		010												
	950		531 n r		110											_	
	9155	_	53× 1		210	7	7				7					_	
Date:	Time:	Relinquished by:	ned by:	Received by: Via:	M 3 72 (18)		Remarks:				_			a.			
Date	Time:	Relinquished by:	ned by:	Received by: Via:	E.												
22	" 3,72 1920	Comme			11/4/22 7:36												
	If necessary	v, samples su	If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility, Any sub-contracted data will be clearly notated on the analytical report.	contracted to other accredited	laboratories. This serves as notice of th	is possi	ollity, Ar	y sub-c	ontracte	d data w	ill be cle	arly nota	ted on the	e analytic	al report		

	HALL ENVIRONMENTAL	ANALYSIS LABORATORY	www.hallenvironmental.com		Analysis Request	((Sis	SIW	90 188	3 100 (A	AGES Siles S	etho Wellon Wellon Mellon Mellon Mellon Mellon Mellon Mellon Mellon	1.80° (M) (Se (N) (Se (V) (V)	808 808 8CF 5CF 5CF 808 808	3								->			Remarks:		
Turn-Around Time:	Standard Chush Cl. Den	Project Name: NA	Charact II. Were	Project #	3000.003		Course Course		Sampler & LANAN	No U	olers:	Cooler Temp(including cp): 4.6 -0.1 - 4.5 (°C)		# Type 221248	210 78		V-73	300	7.7	810	610	020	7			Maria 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Via: cator Date	11/4/22 7:30
ord	Clienting and EUDUNION Medital		5 GNORIN		47. UOC	@ Rap Etuliannala		☐ Level 4 (Full Validation)	npliance	□ Other				Matrix Sample Name	5.334 U	1 W C	50.2	503.3	425	156		T6.3	13cm		Delineuriahad bur		Relinquished by:	
Chain-	Client: pall		Mailing Address's	CANA BADAS	Phone #: (1575)	email or Fax#: Awas	QA/QC Package:	□ Standard	Accreditation:	□ NELAC	□ EDD (Type)			Date Time	13 1000	08'0)	N.34	cht of	SUP ICH	05:07	52.01	14,00	V Hiron		Timo:		Date: Time:	12 12 19 m



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

November 22, 2022

James Carnes

R & R Environmental 1505 W. Bullock Ave Artesia, NM 88210 TEL: (575) 616-9340

FAX

RE: Barry Miller Booster Station

OrderNo.: 2211795

Dear James Carnes:

Hall Environmental Analysis Laboratory received 3 sample(s) on 11/15/2022 for the analyses presented in the following report.

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

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

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

Sincerely,

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report

Lab Order 2211795

Date Reported: 11/22/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: R & R Environmental

Project: Barry Miller Booster Station

Lab ID: 22

2211795-001

Matrix: SOIL

Client Sample ID: S-4B 2.5'

Collection Date: 11/11/2022 1:40:00 PM Received Date: 11/15/2022 7:30:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed Bat	tch
EPA METHOD 300.0: ANIONS	,				Analyst: JTT	Т
Chloride	ND	60	mg/Kg	20	11/18/2022 12:46:10 AM 715	580
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst: DG	ЭH
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	11/17/2022 12:11:11 PM 715	561
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	11/17/2022 12:11:11 PM 715	561
Surr: DNOP	102	21-129	%Rec	1	11/17/2022 12:11:11 PM 715	561
EPA METHOD 8015D: GASOLINE RANGE					Analyst: NSE	В
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	11/16/2022 4:48:30 PM 715	521
Surr: BFB	91.4	37.7-212	%Rec	1	11/16/2022 4:48:30 PM 715	521
EPA METHOD 8021B: VOLATILES					Analyst: NSE	В
Benzene	ND	0.025	mg/Kg	1	11/16/2022 4:48:30 PM 715	521
Toluene	ND	0.049	mg/Kg	1	11/16/2022 4:48:30 PM 715	521
Ethylbenzene	ND	0.049	mg/Kg	1	11/16/2022 4:48:30 PM 7152	521
Xylenes, Total	ND	0.099	mg/Kg	1	11/16/2022 4:48:30 PM 7152	521
Surr: 4-Bromofluorobenzene	95.3	70-130	%Rec	1	11/16/2022 4:48:30 PM 7152	521

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
- ID Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
 - S % Recovery outside of standard limits. If undiluted results may be estimated.
- Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 1 of 7

Analytical Report

Lab Order 2211795

Date Reported: 11/22/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: R & R Environmental

Barry Miller Booster Station

Lab ID: 2211795-002

Project:

Client Sample ID: S-16B 2.5'

Collection Date: 11/11/2022 1:50:00 PM

Received Date: 11/15/2022 7:30:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed Batch
EPA METHOD 300.0: ANIONS					Analyst: JTT
Chloride	130	60	mg/Kg	20	11/18/2022 1:48:12 AM 71580
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst: DGH
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	11/17/2022 12:21:47 PM 71561
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	11/17/2022 12:21:47 PM 71561
Surr: DNOP	84.6	21-129	%Rec	1	11/17/2022 12:21:47 PM 71561
EPA METHOD 8015D: GASOLINE RANGE					Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	11/16/2022 5:58:56 PM 71521
Surr: BFB	92.3	37.7-212	%Rec	1	11/16/2022 5:58:56 PM 71521
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	0.025	mg/Kg	1	11/16/2022 5:58:56 PM 71521
Toluene	ND	0.049	mg/Kg	1	11/16/2022 5:58:56 PM 71521
Ethylbenzene	ND	0.049	mg/Kg	1	11/16/2022 5:58:56 PM 71521
Xylenes, Total	ND	0.098	mg/Kg	1	11/16/2022 5:58:56 PM 71521
Surr: 4-Bromofluorobenzene	95.9	70-130	%Rec	1	11/16/2022 5:58:56 PM 71521

Matrix: SOIL

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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Analytical Report

Lab Order 2211795

Date Reported: 11/22/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: R & R Environmental

Barry Miller Booster Station

Lab ID: 2211795-003

Project:

Client Sample ID: S-19B 2.5'

Collection Date: 11/11/2022 1:55:00 PM

Received Date: 11/15/2022 7:30:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed Batch
EPA METHOD 300.0: ANIONS					Analyst: JTT
Chloride	290	60	mg/Kg	20	11/18/2022 2:00:36 AM 71580
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst: DGH
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	11/17/2022 12:32:23 PM 71561
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	11/17/2022 12:32:23 PM 71561
Surr: DNOP	84.8	21-129	%Rec	1	11/17/2022 12:32:23 PM 71561
EPA METHOD 8015D: GASOLINE RANGE					Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	11/16/2022 6:22:25 PM 71521
Surr: BFB	92.1	37.7-212	%Rec	1	11/16/2022 6:22:25 PM 71521
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	0.025	mg/Kg	1	11/16/2022 6:22:25 PM 71521
Toluene	ND	0.049	mg/Kg	1	11/16/2022 6:22:25 PM 71521
Ethylbenzene	ND	0.049	mg/Kg	1	11/16/2022 6:22:25 PM 71521
Xylenes, Total	ND	0.099	mg/Kg	1	11/16/2022 6:22:25 PM 71521
Surr: 4-Bromofluorobenzene	96.7	70-130	%Rec	1	11/16/2022 6:22:25 PM 71521

Matrix: SOIL

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
 - 8 % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- Sample pH Not In Range
- RL Reporting Limit

Page 3 of 7

Received by OCD: 12/16/2022 9:25:36 AM

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2211795 22-Nov-22

Client:

R & R Environmental

Project:

Barry Miller Booster Station

Sample ID: MB-71580

SampType: MBLK

TestCode: EPA Method 300.0: Anions

TestCode: EPA Method 300.0: Anions

LowLimit

Client ID: PBS

Batch ID: 71580

RunNo: 92686

Units: mg/Kg

Prep Date: 11/17/2022

Analysis Date: 11/17/2022

SeqNo: 3334966

Analyte

Result

14

14

SPK value SPK Ref Val %REC LowLimit

HighLimit

RPDLimit

Qual

Chloride

ND 1.5

Sample ID: LCS-71580

Client ID: LCSS

SampType: LCS Batch ID: 71580

Prep Date: 11/17/2022

RunNo: 92686

SeqNo: 3334967

Units: mg/Kg

RPDLimit

Qual

Analyte

Analysis Date: 11/17/2022

SPK value SPK Ref Val %REC

LowLimit

HighLimit

%RPD

%RPD

%RPD

Chloride

Sample ID: LCS-71580

SampType: LCS

TestCode: EPA Method 300.0: Anions RunNo: 92726

Prep Date: 11/17/2022

Client ID: LCSS

Batch ID: 71580

SeqNo: 3337110

Units: mg/Kg

RPDLimit

Qual

Analyte Chloride

Analysis Date: 11/18/2022 Result

SPK value SPK Ref Val PQL 1.5

15.00

15.00

0

95.5

%REC

90

HighLimit 110

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- Sample Diluted Due to Matrix
- Holding times for preparation or analysis exceeded Not Detected at the Reporting Limit
- Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated.
- Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value Analyte detected below quantitation limits
- Sample pH Not In Range P
- Reporting Limit

Page 4 of 7

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#:

2211795

22-Nov-22

Client:

R & R Environmental

Project:

Barry Miller Booster Station

Sample	ID:	LCS-715	6
--------	-----	---------	---

SampType: LCS

TestCode: EPA Method 8015M/D: Diesel Range Organics

Client ID: LCSS

Batch ID: 71561

RunNo: 92653

Prep Date: 11/17/2022

SeqNo: 3333143 Units: mg/Kg

Analyte

Analysis Date: 11/17/2022

Result **PQL** SPK value SPK Ref Val 45 15 50.00

%REC LowLimit

%RPD **RPDLimit** HighLimit Qual

%RPD

Diesel Range Organics (DRO) 89.4 64.4 127 Surr: DNOP 5.0 5.000 99.5 129 21

1	Sample ID:	MB-71561
	Client ID:	
	Prep Date:	11/17/2022

Analyte

Surr: DNOP

SampType: MBLK Batch ID: 71561 Analysis Date: 11/17/2022

PQL

RunNo: 92653

SPK value SPK Ref Val %REC LowLimit

TestCode: EPA Method 8015M/D: Diesel Range Organics

SeqNo: 3333145

Units: mg/Kg

HighLimit

RPDLimit Qual

Diesel Range Organics (DRO)
Motor Oil Range Organics (MRO)

ND 15 ND 50

Result

9.3

10.00

93.1

21 129

_	_		
0		: 6	

Received by OCD: 12/16/2022 9:25:36 AM

Value exceeds Maximum Contaminant Level.

Sample Diluted Due to Matrix

Holding times for preparation or analysis exceeded

Not Detected at the Reporting Limit

Practical Quanitative Limit

% Recovery outside of standard limits. If undiluted results may be estimated.

Analyte detected in the associated Method Blank

Above Quantitation Range/Estimated Value

Analyte detected below quantitation limits

Sample pH Not In Range

Reporting Limit

Page 5 of 7

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#:

2211795

22-Nov-22

Client:

R & R Environmental

Project:

Barry Miller Booster Station

Sample ID: mb-71521

SampType: MBLK

TestCode: EPA Method 8015D: Gasoline Range

Client ID: PBS

Batch ID: 71521

RunNo: 92616

Prep Date: 11/15/2022

Analysis Date: 11/16/2022

SeqNo: 3332067

Units: mg/Kg

Analyte

Result **PQL** ND 5.0

Gasoline Range Organics (GRO)

SPK value SPK Ref Val %REC LowLimit

%RPD **RPDLimit**

Qual

930

1000

37.7

Surr: BFB

92.5

212

HighLimit

Sample ID: Ics-71521

Client ID: LCSS

SampType: LCS Batch ID: 71521

5.0

TestCode: EPA Method 8015D: Gasoline Range RunNo: 92616

HighLimit

Prep Date: 11/15/2022

Analysis Date: 11/16/2022

SeqNo: 3332068 %REC

Units: mg/Kg

%RPD

RPDLimit

Qual

Analyte Gasoline Range Organics (GRO) Surr: BFB

25 1900

Result

25.00 1000

SPK value SPK Ref Val

0

100 190 72.3 37.7

LowLimit

137

212

Qualifiers:

Received by OCD: 12/16/2022 9:25:36 AM

- Value exceeds Maximum Contaminant Level.
- Sample Diluted Due to Matrix Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit
- Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated.
- Analyte detected in the associated Method Blank
- Above Quantitation Range/Estimated Value
- Analyte detected below quantitation limits
- Sample pH Not In Range
- Reporting Limit RL

Page 6 of 7

Hall Environmental Analysis Laboratory, Inc.

WO#:

RPDLimit

RPDLimit

RPDLimit

2211795

22-Nov-22

Qual

Qual

Qual

Client:

R & R Environmental

Project:

Barry Miller Booster Station

Sample	ID:	mb-7152
--------	-----	---------

SampType: MBLK

TestCode: EPA Method 8021B: Volatiles

Client ID: PBS Batch ID: 71521

RunNo: 92616

Prep Date: 11/15/2022

Analysis Date: 11/16/2022

SeqNo: 3332113

Units: mg/Kg

%RPD

%RPD

HighLimit

Analyte Benzene

Result PQL ND 0.025 0.050 Toluene ND ND 0.050 Ethylbenzene ND Xylenes, Total

0.10

97.5

130 70

Sample ID: LCS-71521

Surr: 4-Bromofluorobenzene

SampType: LCS

0.98

SPK value SPK Ref Val %REC LowLimit

TestCode: EPA Method 8021B: Volatiles

Client ID: LCSS Prep Date: 11/15/2022 Batch ID: 71521

Analysis Date: 11/16/2022

1.000

RunNo: 92616

HighLimit

SeqNo: 3332114 Units: mg/Kg

Analyte Benzene Toluene Ethylbenzene

Xylenes, Total

Result PQL 0.98 0.025 1.0 0.050

1.0

3.0

1.0

SPK value SPK Ref Val %REC 1.000 1.000 0

98.2 80 120 100 80 120 100 80

LowLimit

120 1.000 0 120 3.000 0 101 80 99.8 70 130 1.000

Sample ID: 2211795-001ams Client ID: S-4B 2.5'

Surr: 4-Bromofluorobenzene

SampType: MS Batch ID: 71521 TestCode: EPA Method 8021B: Volatiles

RunNo: 92616

Prep Date: 11/15/2022

Analysis Date: 11/16/2022

0.050

0.10

SeqNo: 3332116

Units: mg/Kg %RPD

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit
Benzene	1.2	0.025	0.9990	0	118	68.8	120
Toluene	1.2	0.050	0.9990	0.01251	121	73.6	124
Ethylbenzene	1.2	0.050	0.9990	0.01468	122	72.7	129
Xylenes, Total	3.7	0.10	2.997	0.03478	123	75.7	126
Surr: 4-Bromofluorobenzene	0.96		0.9990		95.6	70	130

Sample ID: 2211795-001amsd Client ID: S-4B 2.5'

SampType: MSD Batch ID: 71521 TestCode: EPA Method 8021B: Volatiles

RunNo: 92616

	Prep Date:	11
	Analyte	
	Benzene	
	Toluene	
X	Ethylbenzene	

Analysis Date: 11/16/2022

SeaNo: 3332117

	Prep Date. 11/15/2022	Analysis L	ate. Ti	110/2022		eqivo. 3	332111	Units. Ing/N	y			
	Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
	Benzene	1.2	0.025	0.9881	0	121	68.8	120	1.96	20	S	
	Toluene	1.2	0.049	0.9881	0.01251	124	73.6	124	1.71	20	S	
4	Ethylbenzene	1.3	0.049	0.9881	0.01468	125	72.7	129	1.51	20		
	Xylenes, Total	3.7	0.099	2.964	0.03478	125	75.7	126	0.558	20		
	Surr: 4-Bromofluorobenzene	0.96		0.9881		97.0	70	130	0	0		
2												

Qualifiers:

12/16/2022 9:25:36 4

Received by OCD:

- Value exceeds Maximum Contaminant Level.
- Sample Diluted Due to Matrix
- Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit
- Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated.
- Analyte detected in the associated Method Blank
- Above Quantitation Range/Estimated Value
- Analyte detected below quantitation limits
- Sample pH Not In Range
- Reporting Limit

Page 7 of 7



Hall Environmental Analysis Laboratory 4901 Hawkins NE

Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: R & R Environmental	Work Order Nu	umber: 2211795		RcptNo:	İ
Received By: Juan Rojas	11/15/2022 7:30	:00 AM	Hansy.		
Completed By: Sean Livingston	11/15/2022 8:16:	:50 AM	< /.	m	
Reviewed By: W	5.00		رناسرر	70.—	
Chain of Custody					
1. Is Chain of Custody complete?		Yes 🗹	No 🗆	Not Present	
2. How was the sample delivered?		Courier			
Log In	•	v	No 🗆	na 🗆	
3. Was an attempt made to cool the samples	?	Yes 🗹	ובן סאו	NA L	
4. Were all samples received at a temperatur	e of >0° C to 6.0°C	Yes 🗹	No 🗆	na 🗆	
5. Sample(s) in proper container(s)?		Yes 🗹	No 🗌		
6. Sufficient sample volume for indicated test	s)?	Yes 🗹	No 🗆		
7. Are samples (except VOA and ONG) prope	rly 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 brok	en?	Yes 🗌	No 🗹	# of preserved	
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)		Yes 🗹	No 🗆	bottles checked for pH:	12 unless noted)
2. Are matrices correctly identified on Chain of	Custody?	Yes 🗹	No 🗆	Adjusted?	
3. Is it clear what analyses were requested?		Yes 🗹	No 🗆		1 - 1 -
4. Were all holding times able to be met? (If no, notify customer for authorization.)		Yes 🗹	No 🗆	Checked by:	W1111212
Special Handling (if applicable)					
15. Was client notified of all discrepancies with	this order?	Yes 🗌	No 🗌	NA 🗹	
Person Notified:	Dat	e: 1			
By Whom:	Via		hone Fax	☐ In Person	
Regarding:		All and the second of the seco			
Client Instructions:				over an in a southern first desirable with an extreme management of the	
16. Additional remarks:				The second secon	
17. <u>Cooler Information</u>					
	eal Intact Seal No	Seal Date	Signed By		
		4			

Cha	D-10-U	Chain-or-Custody Record	Kecord	חומסול-וויס						4	5	ĺ	2.4.4	(
Slient: R	i R E	EnvironMenta	1 tx (□ Standard	⊠ Rush	3 des				Z		Z	V		ANAL KANTKONMENTAL ANALYSTS LABORATORY	10	
	۵			Project Name:					•	WWW	halle	nviro) de	www.hallenvironmental.com			
Mailing Address:	388: 150 S	3	BU1106)?	Barry	M.II. B.	Booster St. 1.		4901	Haw	Sins	ц	Albuo	Uera	4901 Hawkins NE - Albuquerque, NM 87109	87109		
Arteria	NH.	1188		1	1			<u>a</u>	Tel. 505-345-3975	45-36	. 22	E	505	Fax 505-345-4107	201		
Phone #: 9	075-616-9340	0766-9		_	500,						An	alysi	s Rec	Analysis Request			100
email or Fax	# Renele	email or Fax#: Rene@ Menvironmenta	nmental, net	Project Manager:	jer:		(1	(0)	_		-	701	_	(ţu			
QA/QC Package:	ge:			\			805		9.04	SW		S '7(əsq			
□ Standard		□ Level 4	☐ Level 4 (Full Validation)	JAMES	Larnes) s,8		7 1 .	ISO)d '		A\tu			
Accreditation:		☐ Az Compliance		(,,	77.75		TME	OOOO	2808 (1.1	728 -		NO ^S		rese			
IN RELAC				On loe:	sa. D.	20	/3					180	∀ O.				
dk 1) dd = 1	(a)			# or Coolers:			BT						_			_	
				Cooler Lemp(including CF):	é	3 7 20 - 3 (°C)	.W(
					Preservative	HEAL No.	LEX		A) BC		ARC) L' (() 09i				
Date Time	Matrix	Sample Name	Vame	Type and #	Type	5511 20S	8	_	-	_	\simeq	_	_				_
11/11/32 1:40	0 50:1	5-4B	2.5'	Gle65 34-11	Xce/Cool	(00)											
1,50	1 0	5-168	2.51		-	200											1
1:56	9	861-5	2.5'			500				- 7	-						Т
									_								Т
								-	_			_					Т
								-				\vdash	<u> </u>				T
									_			-	-				
						-		\forall									
-	1							\dashv	\dashv		\dashv	\dashv	\dashv	1		1	$\overline{}$
		-						\dagger	\dashv		1	\dashv	\dashv	1			T
								+	+			+				#	Т-
Date: Time:	Relinquished by:	shed by:		Received by:	Via:	Date, Time	Ren	Remarks:	$\ \cdot\ $] =	1	1	-				Т
	Jano de	io lees		\rightarrow	(100)	11/14/22 (136	则	EMA:	\$1	111.	5,30	N. C.	3	rent	results, janes@ rrenvironnental. net	il. net	
Date: Time:	Refinqui	shed by:		Received by:	Via:	Date Time				147	SS	200	3	<u>6</u>	JAMCS, CGINES@ 201, 204		
1/14m/19100		anni	Z	N	1 × 0.000 ×	~ rovanier 11/5/22 7130	_										
if neces	sary. samples s	ubmitted to Hall E	f necessary, samples submitted to Hall Environmental may be subcontracted to other	contracted to other	ccredited laboratorie	accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the snatyfical record	is possil	IIIIv. Ar	v Stib-c	ntracte	dala v	la ha c	park no	tated on t	a analytical report		1



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

November 22, 2022

James Carnes

R & R Environmental 1505 W. Bullock Ave Artesia, NM 88210 TEL: (575) 616-9340

FAX

RE: Barry Miller Booster Station

OrderNo.: 2211797

Dear James Carnes:

Hall Environmental Analysis Laboratory received 1 sample(s) on 11/15/2022 for the analyses presented in the following report.

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

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

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

Sincerely,

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

_

Released to Imaging: 3/30/2023 9:21:17 AM

Analytical Report

Lab Order 2211797

Date Reported: 11/22/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: R & R Environmental

Client Sample ID: SW1A

Project:Barry Miller Booster StationCollection Date: 11/11/2022 2:10:00 PMLab ID:2211797-001Matrix: SOILReceived Date: 11/15/2022 7:30:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed Batch
EPA METHOD 300.0: ANIONS					Analyst: JTT
Chloride	ND	60	mg/Kg	20	11/18/2022 2:13:00 AM 71580
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst: DGH
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	11/17/2022 12:43:10 PM 71561
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	11/17/2022 12:43:10 PM 71561
Surr: DNOP	93.5	21-129	%Rec	1	11/17/2022 12:43:10 PM 71561
EPA METHOD 8015D: GASOLINE RANGE					Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	11/16/2022 6:45:59 PM 71521
Surr: BFB	90.9	37.7-212	%Rec	1	11/16/2022 6:45:59 PM 71521
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	0.025	mg/Kg	1	11/16/2022 6:45:59 PM 71521
Toluene	ND	0.049	mg/Kg	1	11/16/2022 6:45:59 PM 71521
Ethylbenzene	ND	0.049	mg/Kg	1	11/16/2022 6:45:59 PM 71521
Xylenes, Total	ND	0.098	mg/Kg	1	11/16/2022 6:45:59 PM 71521
Surr: 4-Bromofluorobenzene	95.4	70-130	%Rec	1	11/16/2022 6:45:59 PM 71521

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 standard limits. If undiluted results may be estimated.
- Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

OC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#:

2211797

22-Nov-22

Client:

R & R Environmental

Project:

Barry Miller Booster Station

Sample ID: MB-71580

SampType: MBLK

TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 71580

RunNo: 92686

Prep Date: 11/17/2022

Analysis Date: 11/17/2022

SeqNo: 3334966

Analyte

Result PQL

Units: mg/Kg

HighLimit

%RPD **RPDLimit**

Qual

Chloride

ND 1.5

Sample ID: LCS-71580

SampType: LCS

TestCode: EPA Method 300.0: Anions

Prep Date: 11/17/2022

Client ID: LCSS

Batch ID: 71580

RunNo: 92686

Analysis Date: 11/17/2022

1.5

SeqNo: 3334967

Units: mg/Kg

110

Qual

Analyte

Result 14 PQL

SPK value SPK Ref Val 0

0

SPK value SPK Ref Val %REC LowLimit

%REC 95.8

LowLimit HighLimit 90

%RPD

RPDLimit

Chloride

Sample ID: LCS-71580

Client ID: LCSS

Prep Date: 11/17/2022

SampType: LCS

Batch ID: 71580

TestCode: EPA Method 300.0: Anions

RunNo: 92726

SeqNo: 3337110

Units: mg/Kg

Qual

Analyte Chloride

Analysis Date: 11/18/2022

SPK value SPK Ref Val %REC LowLimit

15.00

95.5

HighLimit

%RPD

RPDLimit

14

15.00

110

Qualifiers:

12/16/2022 9:25:36 AM

Received by OCD:

- Value exceeds Maximum Contaminant Level.
- Sample Diluted Due to Matrix Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated.
- Analyte detected in the associated Method Blank
- Above Quantitation Range/Estimated Value
- Analyte detected below quantitation limits
- Sample pH Not In Range Reporting Limit

Page 2 of 5

Client:

Project:

6 A M

Qualifiers: * Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

D Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

% Recovery outside of standard limits. If undiluted results may be estimated.

WO#:

2211797

22-Nov-22

Barry Miller Booster Station

Sample ID: LCS-71561 SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: LCS Batch ID: 71561 RunNo: 92653

Prep Date: 11/17/2022 Analysis Date: 11/17/2022 SeqNo: 3333143 Units: mg/Kg

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

 Diesel Range Organics (DRO)
 45
 15
 50.00
 0
 89.4
 64.4
 127

 Surr: DNOP
 5.0
 5.000
 99.5
 21
 129

Sample ID: MB-71561 SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics

Client ID: PBS Batch ID: 71561 RunNo: 92653

Prep Date: 11/17/2022 Analysis Date: 11/17/2022 SeqNo: 3333145 Units: mg/Kg

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

Diesel Range Organics (DRO) ND 15

Motor Oil Range Organics (MRO) ND 50

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

R & R Environmental

Surr: DNOP 9.3 10.00 93.1 21 129

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 3 of 5

Hall Environmental Analysis Laboratory, Inc.

WO#:

2211797 22-Nov-22

Client:

R & R Environmental

Project:

Barry Miller Booster Station

Sample I	D: m	b-715	521
----------	-------------	-------	-----

SampType: MBLK

TestCode: EPA Method 8015D: Gasoline Range

Client ID: PBS

Batch ID: 71521

RunNo: 92616

Prep Date: 11/15/2022

Analysis Date: 11/16/2022

SeqNo: 3332067

Units: mg/Kg

Analyte

Result PQL

5.0

LowLimit %REC

ND Gasoline Range Organics (GRO)

930

1000

SPK value SPK Ref Val

HighLimit

%RPD

%RPD

RPDLimit Qual

92.5

37.7

212

Surr: BFB

Client ID: LCSS

Prep Date: 11/15/2022

Sample ID: Ics-71521

SampType: LCS

Batch ID: 71521 Analysis Date: 11/16/2022

RunNo: 92616

SeqNo: 3332068

TestCode: EPA Method 8015D: Gasoline Range

Units: mg/Kg

HighLimit LowLimit

RPDLimit

Qual

Surr: BFB

Result Gasoline Range Organics (GRO) 25

1900

PQL SPK value SPK Ref Val %REC 5.0 25.00

1000

100 72.3 190

37.7

137 212

Qualifiers:

Received by OCD: 12/16/2022 9:25:36 AM

Value exceeds Maximum Contaminant Level.

Sample Diluted Due to Matrix Holding times for preparation or analysis exceeded

Not Detected at the Reporting Limit Practical Quanitative Limit

% Recovery outside of standard limits. If undiluted results may be estimated.

Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

Analyte detected below quantitation limits

Sample pH Not In Range

Reporting Limit

Page 4 of 5

Hall Environmental Analysis Laboratory, Inc.

WO#:

2211797

22-Nov-22

Client:

R & R Environmental

Project:

Barry Miller Booster Station

Sample ID: mb-71521	Samp	уре: МЕ	BLK	Tes	tCode: El					
Client ID: PBS	Batcl	h ID: 71	521	F	RunNo: 9	2616				
Prep Date: 11/15/2022	Analysis D	Date: 11	1/16/2022	S	SeqNo: 3	332113	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-Bromofluorobenzene	0.98		1.000		97.5	70	130			

Sample ID: LCS-71521	Sampi	ype: LC	S	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: LCSS	Batch	n ID: 71	521	F	RunNo: 92	2616				
Prep Date: 11/15/2022	Analysis D	ate: 11	/16/2022	S	SeqNo: 3	332114	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.98	0.025	1.000	0	98.2	80	120			
Toluene	1.0	0.050	1.000	0	100	80	120			
Ethylbenzene	1.0	0.050	1.000	0	100	80	120			
Xylenes, Total	3.0	0.10	3.000	0	101	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		99.8	70	130			

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ID Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
 - 8 % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: R & R Environmental Work Order Nu	ımber: 2211797		RcptNo	: 1
Received By: Juan Rojas 11/15/2022 7:30:	00 AM	Henreng		
Completed By: Sean Livingston 11/15/2022 8:20:	01 AM	Guarage Sal		
Reviewed By: Wy 11-15-27		رماسار	70-	
Chain of Custody				
1. Is Chain of Custody complete?	Yes 🗸	No 🗌	Not Present	
2. How was the sample delivered?	Courier			
Log In 3. Was an attempt made to cool the samples?	Yes 🗹	No 🗆	na 🗆	
o. Trus an attempt made to cool the samples:	163 6			
4. Were all samples received at a temperature of >0° C to 6.0°C	Yes 🗹	No 🗆	na 🗆	
5. Sample(s) in proper container(s)?	Yes 🗸	No 🗌		
6. Sufficient sample volume for indicated test(s)?	Yes 🗹	No 🗆		
7. Are samples (except VOA and ONG) properly preserved?	Yes 🗹	No 🗌		
8. Was preservative added to bottles?	Yes 🗌	No 🗹	na 🗌	
9. Received at least 1 vial with headspace <1/4" for AQ VOA?	Yes 🗌	No 🗆	na 🗹	
(). Were any sample containers received broken?	Yes 📙	No 🗹	# of preserved bottles checked	
Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes 🗹	No 🗆	for pH:	>12 upless noted)
2. Are matrices correctly identified on Chain of Custody?	Yes 🗹	No 🗆	Adjusted?	
3. Is it clear what analyses were requested?	Yes 🗹	No 🔲		Juni15
4. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes 🗹	No ∐ _	Checked by:	Joc 11121 s
pecial Handling (if applicable)				
5. Was client notified of all discrepancies with this order?	Yes 🗌	No 🗌	NA 🗹	
Person Notified: Dat	e: J	BAARA STATES STATES		expression and
By Whom: Via	: eMail F	Phone 🗌 Fax	☐ In Person	
Regarding:				
Client Instructions:		A STORY OF THE PARTY OF THE PAR		
6. Additional remarks:				
7. Cooler Information	\$1 - No. 1 - No. 1 - N			
Cooler No Temp °C Condition Seal Intact Seal No	Seal Date	Signed By		

Cha	in-of-Cı	Chain-of-Custody Record	Turn-Around Time:	ë													
Client: R	ER Enu	EnvironMental	Standard	M Rush 3	9			I	AL	<u> </u>	>	8	HALL ENVIRONMENTAL	EN	M		
			Project Name:))			4	\$	∑ .	S	4	ANALYSIS LABORATORY	FA	0	>	
Mailing Add	Mailing Address: 1695	W. Bullock		Miller Brooks	7.7.7.		7	WWW.hi	ww.hg	llenvi	ronme	www.hallenvironmental.com	mc s	,			
Artes: 4	.4. NM	88210	Project #:	7	00000		Tell	Tel 505-345-3075	307E		uanbr	due, N	Aibuquerque, NIM 87109	ົກ			
Phone #:	578-616-9340	-9340	30000.005	\			9.9	0.040	0.000	Inal	ax of	Analysis Reguest	410/				-
email or Fa	# Bene	email or Fax#: Acne (の パアピカV:いかれんなし、ルナ	Project Manager:				10		_	70		(1	_		-	_	
QA/QC Package:	age:		ŀ	,					CIA	OS '*		uəsc	-			-	
Standard		☐ Level 4 (Full Validation)	James C	Gerhes				1100	WICC.	ЪО		∃A∖tı	-				
Accreditation:		☐ Az Compliance ☐ Other	7	Ci					170	NO ⁵							
□ EDD (Type			# of Coolers:	es						' ^E (
			Cooler Tempylochigher on:		(00)					NC			_				
	7		A COO		(0) 5 (0)					Вг,							
Date Time	e Matrix	Sample Name	Container Prese	ervative	HEAL No.	IEX)	9:H9:	DB (AHS I	:JF,	092	270 (s Otal C					
01:5 25/11/11	9 50%	SULA	1-	100/	100			_ [3,>	- 1		+	1	+	+	
			_		3	₹ 		+	-	<	+	\bot	+		\dagger		
			·			+		+			+		+		+		
			1			+			+		+		+		\dagger		
						\vdash			-		+		╁		+	\bot	
							_		_		+	L	+	1.	+	-	
									-		-		+		+	-	
									_		╁		-		+		
								-	_		-		-		+		
									_		\vdash		\vdash		+	-	
								\vdash			+		-		+		
T								-	_				-		+	L	
Date: Time:	: Relinquished by:	ed by;	Received by: Via:	a: Date	Tlme	Remarks	1		┨.		-		$\frac{1}{1}$		┨,	7	
	June On	S days	Www.	٧.	11/12 1130	たれが		1250	اري د زي	SI	8	rran	results, James@ rrenvironmensal, net	(MCh)	2	18th	
Date: Time:	22_	ed by: (Received by: Via:	Date	te Time		ې	Janes. Carnes (Daol. con	arn	esco	aol.	400					
15 12 12 B		admin	3/	100 may 1015	11/15/2 7120												
Нпаса	fine seam samples on	The Later Construction of Political		1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			2									

nitted to Hall Environmental may be subcontracted to ottler accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.



Appendix VI

Seed Tag



ovegrass, Bend Seed Mix tal

ater.

ed:

istlegrass, Variety Not Stated opseed, Variety Not Stated

BLM 2 - Barry Miller Booster Station Lot #: 2599

LOC W.	15
	4.0

% Mix Origin Purity 50.95% Oklahoma 99.47% 24.39% Colorado 98.63% 24.01% Texas 99.35% 99.35%	77.00%	0.00% 77.00% 21.00%	Test Date 10/2022 5/2022 6/2022 7/2022	1
0.63%				
0.01%				
0.01%				

Texas Permit 2772

Bagged into 1) 1 acre bag @ 4.526 bulk pounds.

500 North Prince, Clovis, NM 88101

(575) 762-4759

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

District II 811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III 1000 Rio Brazos Rd., Aztec, NM 87410

Phone:(505) 334-6178 Fax:(505) 334-6170 1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 167725

CONDITIONS

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	167725
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Cre	ated By	Condition	Condition Date
rh	amlet	We have received your closure report and final C-141 for Incident #NAPP2229363998 BARRY MILLER BOOSTER STATION, thank you. This closure is approved.	3/30/2023