# 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.

<b><u>Closure Report Attachment Checklist</u>:</b> Each of the following items mus	t be included in the closure report.				
A scaled site and sampling diagram as described in 19.15.29.11 NMAC					
Photographs of the remediated site prior to backfill or photos of the lin must be notified 2 days prior to liner inspection)	Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)				
Laboratory analyses of final sampling (Note: appropriate ODC District	office must be notified 2 days prior to final sampling)				
Description of remediation activities					
I hereby certify that the information given above is true and complete to the l and 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 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 where Printed Name:	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 he responsible party acknowledges they must substantially that existed prior to the release or their final land use in a reclamation and re-vegetation are complete.				
OCD Only					
Received by: <u>Robert Hamlet</u>	Date: 3/30/2023				
Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.					
Closure Approved by: <u>Robert Hamlet</u>	Date: 3/30/2023				
Printed Name: <u>Robert Hamlet</u>	Title: Environmental Specialist - Advanced				

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

1625 N. French Dr., Hobbs, NM 88240 <u>District II</u> 811 S. First St., Artesia, NM 88210 <u>District III</u> 1000 Rio Brazos Road, Aztec, NM 87410 <u>District IV</u> 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

)

nAPP2229363998
E-21-22S-28E 0N 0E

# **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 Release Source**

Latitude <u>32.38478</u> Longitude <u>-104.10065 (location of source)</u>

(NAD 83 in decimal degrees to 5 decimal places)

Site Name: Barry Miller Booster Station	Site Type: Production Battery
Date Release Discovered: 10/21/2022	API# (if applicable)E-21_22S-28E ON OE

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

Surface Owner: State Federal Tribal Private (Name:

#### Nature and Volume of Release

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

Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
Produced Water	Volume Released (bbls) 7	Volume Recovered (bbls) 5
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	Yes No
Condensate	Volume Released (bbls)	Volume Recovered (bbls)
Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)
Cause of Release: Seal	on charge pump failed releasing fluid inside containm	ent.

Incident ID	nAPP2288482page 3 of 15
District RP	
Facility ID	L-21-20S-35E ON OE
Application ID	

Was this a major	IFVES for what magazing) does the manufacture and identifies a major relation? The Delagoe was > 50kkl
Was this a major	If YES, for what reason(s) does the responsible party consider this a major release? The Release was > 50bbl
release as defined by	
19.15.29.7(A) NMAC?	
$\square$ Yes $\bowtie$ No	
If YES, was immediate n	otice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?
Notification was provided	d to the NMOCD on 10/20/22 by Arsenio Jones of Matador (online).

#### **Initial Response**

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

$\boxtimes$	The s	source o	of the r	elea	se has	been	stopped	•	

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

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

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

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

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

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

Printed Name: <u>Arsenio T. Jones</u> Title: <u>Regulatory, Env</u>	vironmental and Safety Specialist
Signature:	Date: <u>10/21/22</u>
email:arsenio.jones@matadorresources.com	Telephone:575-361-4333
OCD Only Jocelyn Harimon Received by:	10/21/2022 Date:

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

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Oil Conservation Division

	1 uge 4 0j 15.
Incident ID	nAPP2229363998
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Application ID	

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# Site Assessment/Characterization

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

	1	
What is the shallowest depth to groundwater beneath the area affected by the release?	$\frac{53}{bgs}$	_(ft
Did this release impact groundwater or surface water?	C /	N-
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	□ Yes ⊠ □ 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?	🗌 Yes 🖂	No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	$\Box \operatorname{Yes} \boxtimes$	
Are the lateral extents of the release within 300 feet of a wetland?		N
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ⊠	
Are the lateral extents of the release overlying an unstable area such as karst geology?	🗌 Yes 🖂	
Are the lateral extents of the release within a 100-year floodplain?	🗌 Yes 🖂	No
Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?	🗌 Yes 🖂	No
Die die release impact areas not on an exploration, development, production, or storage site:	🗌 Yes 🖂	No

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

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

Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.

- Field data
- Data table of soil contaminant concentration data
- $\boxtimes$  Depth to water determination
- Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- Boring or excavation logs
- Photographs including date and GIS information
- Topographic/Aerial maps
- Laboratory data including chain of custody

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

Received by OCD: 1.	2/16/2022 9:25:36 AM State of New Mexico			<b>Page 5 of 155</b>
			Incident ID	nAPP2229363998
Page 4	Oil Conservation Division		District RP	
			Facility ID	E-21-22S-28E
			Application ID	
regulations all operat public health or the e failed to adequately i addition, OCD accep and/or regulations. <u>Printed Name:</u> Signature:	the information given above is true and complete to the tors are required to report and/or file certain release noti environment. The acceptance of a C-141 report by the C investigate and remediate contamination that pose a three stance of a C-141 report does not relieve the operator of <u>Artenio Jones</u> <u>Title:</u> <u>tes@matadorresources.com</u>	fications and perform OCD does not relieve t eat to groundwater, sur responsibility for com <u>Regulatory Env</u> Date: <u>11/30</u>	corrective actions for r he operator of liability face water, human heat pliance with any other ironmental and Safet	eleases which may endanger should their operations have th or the environment. In federal, state, or local laws <u>y Specialist</u>
Received by:		Date:		

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

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Oil Conservation Division

Incident ID	nAPP2229363998
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# **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:				
OCD Only				
Received by:         Date:				

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.

<b><u>Closure Report Attachment Checklist</u></b> : Each of the following items	s must be included in the closure report.						
A scaled site and sampling diagram as described in 19.15.29.11 NMAC							
Photographs of the remediated site prior to backfill or photos of the must be notified 2 days prior to liner inspection)	Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)						
Laboratory analyses of final sampling (Note: appropriate ODC Dis	strict 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 and regulations all operators are required to report and/or file certain rel may endanger public health or the environment. The acceptance of a C should their operations have failed to adequately investigate and remedie human health or the environment. In addition, OCD acceptance of a C- compliance with any other federal, state, or local laws and/or regulation restore, reclaim, and re-vegetate the impacted surface area to the conditi accordance with 19.15.29.13 NMAC including notification to the OCD Printed Name: Title: Title: Regula	ease notifications and perform corrective actions for releases which -141 report by the OCD does not relieve the operator of liability ate contamination that pose a threat to groundwater, surface water, 141 report does not relieve the operator of responsibility for s. The responsible party acknowledges they must substantially tons that existed prior to the release or their final land use in						
Signature: Da	te:11/30/2022						
email: <u>arsenio.jones@matadorresources.com</u>	Telephone: <u>575-361-4333</u>						
OCD Only							
Received by:	Date:						
Closure approval by the OCD does not relieve the responsible party of li remediate contamination that poses a threat to groundwater, surface wate party of compliance with any other federal, state, or local laws and/or re	r, human health, or the environment nor does not relieve the responsible						
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

ENVIRONMENTAL REMEDIATION & RECLAMATION SERVICES

# November 3, 2022

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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

Carlos a series and a series of the	Sample Date able 1 Closure .15.29 NMAC	Depth (BGS) Criteria	BTEX mg/kg 50 mg/kg	Benzene mg/kg 10 mg/kg		DRO mg/kg + DRO + I ned = 100		Total TPH mg/kg 100 mg/kg	Chlorides mg/kg 600 mg/kg
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	10/24/2022	0.5'	ND	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								

#### 10/24/2022 Soil Sample Laboratory Results

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.

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

#### Table II

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
	CD Table 1 Clo ria 19.15.29 NI		50 mg/kg	10 mg/kg	GRC	+ DRO + ned = 100		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	-	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		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

#### 11/2/2022 Confirmation Sample Laboratory Results (Pad Impact)

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#### Table III

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	-	ND
S-28A	11/3/2022	1'	ND	ND	ND	ND	ND	-	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	-	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

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

ND = Analyte Not Detected SW = Sidewall sample BG = Background sample \* = 2' horizontal extension

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

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

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#### 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 INMOCDAppendix IISite MapsAppendix IIIGroundwater Data, Soil Survey, & Wetlands MapAppendix IVPhotographic DocumentationAppendix VLaboratory DataAppendix VISeed Tag

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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

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 Release Source**

Latitude <u>32.38478</u> Longitude <u>-104.10065 (location of source)</u>

(NAD 83 in decimal degrees to 5 decimal places)

Site Name: Barry Miller Booster Station	Site Type: Production Battery
Date Release Discovered: 10/21/2022	API# (if applicable)E-21_22S-28E ON OE

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

Surface Owner: State Federal Tribal Private (Name: \_\_\_\_\_

#### Nature and Volume of Release

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

Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
Produced Water	Volume Released (bbls) 7	Volume Recovered (bbls) 5
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	🗌 Yes 🖾 No
Condensate	Volume Released (bbls)	Volume Recovered (bbls)
🗌 Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release: Seal on charge pump failed releasing fluid inside containment.

Form C-141	
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Page 2

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State of New Mexico Oil Conservation Division

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

	Application ID		
Was this a major	If YES, for what reason(s) does the responsible party consider this a major release? The Release was > 50bbl		
release as defined by			
19.15.29.7(A) NMAC?			
🗌 Yes 🖾 No			
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?			
Notification was provided	to the NMOCD on 10/20/22 by Arsenio Jones of Matador (online).		

#### **Initial Response**

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

${ imes}$	The	source	of	the	release	has	been	stopped.	
-----------	-----	--------	----	-----	---------	-----	------	----------	--

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

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

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

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

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

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

Printed Name: <u>Arsenio T. Jones</u> Title: <u>Regulatory, En</u>	nvironmental and Safety Specialist
Signature:	Date: <u>10/21/22</u>
email:arsenio.jones@matadorresources.com	Telephone:575-361-4333
OCD Only	
Jocelyn Harimon Received by:	10/21/2022 Date:

State of New Mexico Oil Conservation Division

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?	$\frac{53}{\text{bgs}}$ (ft
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 watercourse?	☐ Yes ⊠ No ☐ 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
Are the lateral extents of the release overlying an unstable area such as karst geology?	🗌 Yes 🛛 No
Are the lateral extents of the release within a 100-year floodplain?	🗌 Yes 🛛 No
Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?	🗌 Yes 🛛 No
2.2 are resource impart areas not on an exploration, development, production, or storage site:	Ves 🛛 No

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

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

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

2/16/2022 9:25:36

Received by OCI

Laboratory data including chain of custody

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

Form C-141 Page 4			Incident ID District RP	nAPP2229363998
			Facility ID	E-21-22S-28E
			Application ID	
regulations all operators are public health or the environ failed to adequately investig addition, OCD acceptance of and/or regulations. <u>Printed Name: Are</u> Signature: email: <u>arsenio.jones@m</u>	primation given above is true and complete required to report and/or file certain reliment. The acceptance of a C-141 report gate and remediate contamination that prof a C-141 report does not relieve the op nio Jones	lease notifications and perform t by the OCD does not relieve ose a threat to groundwater, s berator of responsibility for co <u>Title: Regulatory En</u>	n corrective actions for r the operator of liability urface water, human hea mpliance with any other <u>vironmental and Safet</u>	eleases which may endanger should their operations have lth or the environment. In federal, state, or local laws
OCD Only				
Received by:Joc	elyn Harimon	Date:	2/16/2022	

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Page 5

State of New Mexico **Oil Conservation Division** 

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

 $\boxtimes$ Scaled sitemap with GPS coordinates showing delineation points

 $\boxtimes$ Estimated volume of material to be remediated

 $\boxtimes$ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC

 $\boxtimes$ 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: <u>12/16/2022</u>

Form C-141

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State of New Mexico **Oil Conservation Division** 

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.

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

A scaled site and sampling diagram as described in 19.15.29.11 NMAC

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

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

Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules. and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name:Arsenio Jones	Title: <u>Regulatory Environmental and Safety Specialist</u>			
Signature:	Date: 11/30/2022			
email: <u>arsenio.jones@matadorresources.com</u>	Telephone: <u>575-361-4333</u>			
OCD Only				
Received by:	Date:			
Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.				
Closure Approved by:	Date:			
Printed Name:	Title:			

Received by OCD: 12/<del>16/2022 9:25:36.4</del>M

# 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.

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



Liner Integrity Certification Matador Resources Barry Miller Booster Station





# Appendix II

Site Maps

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













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# Appendix III

# Groundwater Data, Soil Survey, & Wetlands Map

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# 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=POI been rep O=orpha C=the fi closed)	blaced, aned, le is							W 2=NE lest to la	3=SW 4=S rgest) (1	E) NAD83 UTM in m	neters)	(In	feet)	
		POD Sub-		0	• •	2 Q								,	Water
POD Number	Code	basin	County							X		DistanceDe	pthWellDep		
<u>C 00642</u>		С	ED				19	22S	28E	582220	3582687* 🌑	2490	200		
<u>C 01508</u>		С	ED	1	1	4	18	22S	28E	582206	3584195* 🌍	2502	180		
<u>C_00052</u>	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	0		ED	4	3	4	24	22S	27E	580901	3581970* 🌑	3974	67	36	31
<u>C 03094</u>		С	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
<u>C 00236</u>		С	ED	2	2	3	32	22S	28E	583723	3579372* 🌍	4161	80	39	41
<u>C 00209</u>		С	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		
<u>C 03533 POD4</u>		CUB	ED	4	3	4	03	22S	28E	587331	3586892 🏐	4404	55		
<u>C 03533 POD3</u>		CUB	ED	3	4	4	03	22S	28E	587370	3586911 🏐	4443	55		
<u>C 03533 POD2</u>		CUB	ED	3	4	4	03	22S	28E	587358	3586935 🌍	4454	55		
<u>C 03533 POD1</u>		CUB	ED	3	4	4	03	22S	28E	587377	3586934 🌰	4466	55		
<u>C 00627</u>		С	ED			1	13	22S	27E	580178	3584690* 🌍	4587	100		
<u>C_00971</u>		С	ED		3	3	13	22S	27E	579981	3583679* 🌑	4618	60	18	42
<u>C 04554 POD1</u>		С	ED	4	1	1	13	22S	27E	580167	3584850 🍈	4644	70	18	52
<u>C_00214</u>		CUB	ED	2	3	3	32	22S	28E	583327	3578962* 🌑	4655	200		
<u>C 03184</u>		С	ED	2	3	3	32	22S	28E	583327	3578962* 🌑	4655	157	30	127
<u>C 01677</u>		С	ED		1	3	13	22S	27E	579979	3584084* 🌑	4658	56	20	36
<u>C 02840</u>		CUB	ED	2	3	1	31	22S	28E	581721	3579758* 🏐	4671	220		
C 03514 POD1		С	ED	1	3	1	24	22S	27E	579923	3583010 🏐	4689	59	31	28
<u>C 01590</u>		С	ED		3	1	13	22S	27E	579977	3584489* 🌑	4733	100	40	60
C 04318 POD1		С	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>		С	ED	4	3	1	31	22S	28E	582254	3579191 🏐	4851	72	42	30
<u>C_02529</u>		С	ED			3	12	22S	27E	580174	3585501* 🏐	4875	113	51	62
<u>C 02536</u>		С	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			

10/24/22, 1:20 PM	nmwrrs.ose.state.nm	.us/Re	port	Pro	ху?	?que	ryData	a=%7B"ı	report"%3/	A"waterColumn"	%2C%0A"Bas	inDiv"%3A"tru	e"%2C%0	A"Basi
<u>C 00836</u>	С	ED	3	1	1	13	22S	27E	579874	3584794* 🌍	4908	175	52	123
<u>C 01722</u>	С	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		
<u>C 02499</u>	С	ED		1	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	
											Minimum Dep	th:	12 feet	
											Maximum Dept	h:	64 feet	
Record Count: 38					10 IT 10									
UTMNAD83 Rad	<u>lius Search (in meters):</u>													
Easting (X):	584593	North	ing	(Y)	: :	35834	142		1	Radius: 5000				
*UTM location was deriv	ved 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

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

								NE 3=S o larges	W 4=SE) t)	(NAD83	UTN	A in meters	;)	
Well Tag P	PODN	Number	C	64	Q16	Q4	Sec	Tws	Rng	X	C	Ŋ	7	
° C	C 030	)94		4	3	1	32	22S	U	583317	7 3	3579567	• 🧼	
Driller Licens	se: 1	348	Dri	iller	Соп	npa	ny:	TA	YLOR V	VATER W	ELI	L SERVI	CE	
Driller Name:	:													
Drill Start Da	ite:	11/24/2004	Dri	ll F	inish	Da	te:	1	1/28/200	4 1	Plug	Date:		
Log File Date	:	12/06/2004	PC	W I	Rev I	Date	:			5	Sour	ce:		Shallow
Pump Type:			Pip	e D	ischa	irge	Size	:		Ĩ	Estii	mated Y	ield:	120 GPM
Casing Size:		6.63	Dej	oth	Well	:		1	38 feet	1	Dept	th Water		53 feet
W	Vater	Bearing Stratifi	cations	:		To	p B	ottom	Descr	iption				1
						8	34	94	Sands	tone/Grav	el/C	Conglome	erate	
						11	9	138	Sandst	one/Grav	el/C	onglome	erate	-
ŝ		Casing Perfo	ration	s:		То	рВ	ottom						
						7	8	98						
						11	8	138						
the state of the second second														

#### \*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

POINT OF DIVERSION SUMMARY



United States Department of Agriculture

> 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



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



Custom Soil Resource Report

And of functor (AD)       Solid Note for (AD)		MAP LE	EGEND		MAP INFORMATION
Seil Map Unit Polygons       Very Storty Spot         Soil Map Unit Lines       Soil Map Unit Polygons         Soil Map Unit Lines       A Ver Storty Spot         Soil Map Unit Points       A Ver Storty Spot         Soil Map Unit Points       A Ver Spot         Borrow Pit       Streams and Canals         Borrow Pit       Tansportation         Clay Spot       Clay Spot         Clay Spot       Clay Spot         Clay Spot       A Ralis         Gravel Pit       Lus Routes         Gravel Pit       Lus Routes         Gravel Pit       Marsh or Swamp         Mire or Quarry       Marsh or Swamp         Miscellaneous Water       Marsh or Swamp         Miscellaneous Water       Severely Eroded Spot         Samy Spot       Samy Spot         Silkhole       Silkhole         Silkhole       Silkhole         Silkhole       Silkhole	Area of In Solis	rterest (AOI) Area of Interest (AOI)	80	Spoil Area Stony Spot	The soil surveys that comprise your AOI were mapped at 1:20,000.
Points Points Secial Line Features Points Secial Line Features Secial Line Features Water Features Canals Transportation Hermitian Ralls Second Major Roads US Routes Major Roads Local Roads Local Roads Spot ted Spot ted Spot		Soil Map Unit Polygons	8 9	Very Stony Spot Wet Spot	Warning: Soil Map may not be valid at this scale.
Mater Features Water Features Water Features Streams and Canals Transportation Herstate Highways Major Roads Major Roads Background Mater Ied Spot	<b>}</b>   c	Soil Map Unit Lines Soil Man Unit Points	- ⊲	Other	Enlargement of maps beyond the scale of mapping can cause
Water Features Streams and Canals Transportation Transportation Methods Major Roads Major Roads Background Mater isr Ied Spot	Special	Point Features	I.	Special Line Features	line placement, the maps do not show the small areas of
Borrow Pit Streams and Canals Streams and Canals Clay Spot Transportation Clay Spot Transportation Closed Depression Transportation Gravel Pit Backel Spot Major Roads Landfill Lava Flow Background Marsh or swamp Miscellaneous Water Rock Outcrop Safine Spot Sardy Spot Sardy Spot Sifte or Silp Sodic Spot Silde or Silp Sodic Spot S	9	Blowout	Water Feat	tures	contrasting soils that could have been shown at a more detailed scale.
Clay Spot Clased Depression Gravel Pit Gravel Pit Gravely Spot Landfill Landfill Landfill Land Flow Marsh or swamp Marsh or swamp Mire or Quarry Mire or Quarry Safine Spot Safine Spot Safine Spot Sinkhole Sinkhole Sinkhole Sinkhole Sinkhole	Ø	Borrow Pit	(	Streams and Canals	
Closed Depression       Interstate Highways         Gravel Pt       US Routes         Gravelly Spot       US Routes         Landfill       US Routes         Landfill       Local Roads         Landfill       Local Roads         Lava Flow       Major Roads         Marsh or swamp       Local Roads         Mine or Quarry       Mine or Quarry         Mine or Quarry       Merial Photography         Mine or Quarry       Aerial Photography         Sack Outcrop       Marsh or swamp         Salter Spot       Salter Spot         Sandy Spot       Sandy Spot         Sinkhole       Sinkhole         Sodic Spot       Sodic Spot	滅	Clay Spot	Transport	ation Rails	Please rely on the bar scale on each map sheet for map
Gravel Plt US Routes Gravely Spot US Routes Landfill Lava Flow Major Roads Lava Flow Local Roads Lava Flow Aarial Photography Mine or Quarry Arrial Photography Mine or Quarry Arrial Photography Mine or Quarry Arrial Photography Miscellaneous Water Perennial Water Rock Outcrop Sandy Spot Sandy Spot Sandy Spot Severely Eroded Spot Sinkhole Silp Sodic Spot	\$	Closed Depression	1	Interstate Highways	
Gravely Spot     Major Roads       Landfill     Local Roads       Lava Flow     Local Roads       Lava Flow     Background       Marsh or swamp     March       Marsh or swamp     Aerial Photography       Mine or Quarry     Mine or Quarry       Miscellaneous Water     Miscellaneous Water       Perennial Water     Aerial Photography       Rock Outcrop     Miscellaneous Water       Rock Outcrop     Aerial Photography       Sandy Spot     Aerial Photography       Sandy Spot     Aerial Photography       Sinkhole     Sinkhole       Sodic Spot     Aerial Photography	Ж	Gravel Pit	}	US Routes	Source of Map: Natural Resources Conservation Service Web Soil Survey URL:
Landfill Local Roads Lava Flow Background Marsh or swamp Aarial Photography Mine or Quarry Miscellaneous Water Miscellaneous Water Perennial Water Perennial Water Perennial Water Perennial Water Perennial Safer Safine Spot Saline Spot Saline Spot Sinkhole Sinkhole Sinkhole Sinkhole Sodic Spot	•*•	Gravelly Spot		Maior Roads	Coordinate System: Web Mercator (EPSG:3857)
Lava Flow Background Marsh or swamp Background Marsh or swamp Mine or Quarry Mine or Quarry Miscellaneous Water Perennial Water Perennial Water Perennial Water Safrire Spot Safrire Spot Safrire Spot Sinkhole Sinkhole Sinkhole Stort Sodic Spot	0	Landfill	and the second	Local Roads	Mane from the Web Soil Summer an based on the Web M
Marsh or swamp Marsh or swamp Marsh or swamp Mine or Quarry Mine or Quarry Miscellaneous Water Perennial Water Rock Outcrop Saline Spot Saline Spot Saline Spot Severely Eroded Spot Sinkhole Sinkhole Sinkhole Sodic Spot Sodic Spot	V	Lava Flow	Backgrour	Pe	projection, which preserves direction and shape but distorts
Mine or Quarry Miscellaneous Water Perennial Water Rock Outcrop Saline Spot Sandy Spot Sandy Spot Severely Eroded Spot Sinkhole Slide or Slip Sodic Spot	4	Marsh or swamp		Aerial Photography	distance and area. A projection that preserves area, such as the Albers equal-area conic projection. should be used if more
Miscellaneous Water Perennial Water Rock Outcrop Saline Spot Saline Spot Saline Spot Severely Eroded Spot Sinkhole Slide or Slip Sodic Spot	¢.	Mine or Quarry			accurate calculations of distance or area are required.
Perennial Water Rock Outcrop Saline Spot Sandy Spot Severely Eroded Spot Sinkhole Slide or Slip Sodic Spot	0	Miscellaneous Water			This product is generated from the USDA-NBCS certified data as
Rock Outcrop       Soil Survey Area: Eddy Area, New Mexico         Saline Spot       Survey Area in Eddy Area, New Mexico         Sandy Spot       Soil map units are labeled (as space allows)         Severely Eroded Spot       Soil map units are labeled (as space allows)         Sinkhole       1:50,000 or larger.         Sinkhole       Date(s) aerial images were photographed:         Successor       28, 2020         Sodic Spot       The orthophoto or other base map on which or other base map on which or other base map on which or photographed.	0	Perennial Water			of the version date(s) listed below.
Saline Spot Sandy Spot Sandy Spot Severely Eroded Spot Severely Eroded Spot Sinkhole Silde or Slip Sodic Spot Sodic Spot Sodic Spot	>	Rock Outcrop			
Sandy Spot Sandy Spot Severely Eroded Spot Severely Eroded Spot Sinkhole Sinkhole Sinkhole Side or Slip Sodic Spot Sodic Spot	+	Saline Spot			-
Severely Eroded Spot Sinkhole 1:50,000 or larger. Sinkhole 28, 2020 Sodic Spot The orthophoto or other base map on which compiled and digitized probably differs from imagery displayed on these maps. As a rest	8 8 8 6	Sandy Spot			Soil man units are labeled (as snare allows) for man scales
Sinkhole Date(s) aerial images were photographed: 28, 2020 Slide or Slip Sodic Spot The orthophoto or other base map on which compiled and digitized probably differs from imagery displayed on these map. As a rest, or a r	Û	Severely Eroded Spot			1:50,000 or larger.
Slide or Slip Sodic Spot Sodic Spot imagery displayed on these maps. As a resu	\$	Sinkhole			Date(s) aerial imares were nhrtrorranhed. Ech 27 2020 Ech
Sodic Spot	A	Slide or Slip			מומ ווומלכס אמים הווסנסלומהוופת.
compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor	Ø	Sodic Spot			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

10

•
# 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)
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

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

### **Description of Gypsum Land**

# Setting

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

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.

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

# **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

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

# Received by OCD: 12/16/2012 9:25:36 AM National Flood Hazard Layer FIRMette



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# Appendix IV

Photographic Documentation











# 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,

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

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

**Analytical Report** Lab Order 2210C50

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: R & R Environmental

Surr: 4-Bromofluorobenzene

Date Reported: 11/2/2022 Client Sample ID: S-1 0.5' Collection Date: 10/24/2022 9:00:00 AM

<b>Project:</b>	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 MET	HOD 300.0: ANIONS					Analyst	: NAI			
Chloride		150	60	mg/Kg	20	10/31/2022 4:23:08 PM	71179			
EPA MET	HOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	: DGH			
Diesel Ra	ange 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: E	NOP	93.6	21-129	%Rec	1	10/28/2022 6:43:27 PM	71099			
EPA MET	HOD 8015D: GASOLINE RANG	E				Analyst	CCM			
Gasoline	Range Organics (GRO)	ND	4.9	mg/Kg	1	10/28/2022 5:06:00 PM	71084			
Surr: B	FB	98.7	37.7-212	%Rec	1	10/28/2022 5:06:00 PM	71084			
EPA MET	HOD 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			
Ethylbenz	ene	ND	0.049	mg/Kg	1	10/28/2022 5:06:00 PM	71084			
Xylenes,	Fotal	ND	0.099	mg/Kg	1	10/28/2022 5:06:00 PM	71084			

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.

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

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# Hall Environmental Analysis Laboratory, Inc.

Lab Order 2210C50

10/28/2022 5:25:00 PM 71084

10/28/2022 5:25:00 PM 71084

Date Reported: 11/2/2022

CLIENT: Project:	R & R Environmental Barry Miller Booster Station			ient Sample I		2 0.5' /24/2022 9:05:00 AM	
Lab ID:	2210C50-002	Matrix: SOIL				/26/2022 7:10:00 AM	
Analyses		Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA MET	THOD 300.0: ANIONS		999 - 900 - 900 - 900 - 900 - 900 - 900 - 900 - 900 - 900 - 900 - 900 - 900 - 900 - 900 - 900 - 900 - 900 - 900			Analyst	NAI
Chloride		3100	150	mg/Kg	50	11/1/2022 9:40:53 AM	71179
EPA MET	THOD 8015M/D: DIESEL RANG	E ORGANICS				Analyst	DGH
Diesel Ra	ange 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: D	NOP	123	21-129	%Rec	1	10/28/2022 6:54:12 PM	71099
EPA MET	HOD 8015D: GASOLINE RANG	GE				Analyst	ССМ
Gasoline	Range Organics (GRO)	ND	4.6	mg/Kg	1	10/28/2022 5:25:00 PM	71084
Surr: B	FB	99.9	37.7-212	%Rec	1	10/28/2022 5:25:00 PM	71084
EPA MET	HOD 8021B: VOLATILES					Analyst	ссм
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
Ethylbenz	tene	ND	0.046	mg/Kg	1	10/28/2022 5:25:00 PM	71084

ND

114

0.093

70-130

1

1

mg/Kg

%Rec

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

Qualifiers:	* D H ND	Value exceeds Maximum Contaminant Level. Sample Diluted Due to Matrix Holding times for preparation or analysis exceeded Not Detected at the Reporting Limit	B E J P	Analyte detected in the associated Method Blank Above Quantitation Range/Estimated Value Analyte detected below quantitation limits Sample pH Not In Range	D 0 011
	PQL S	Practical Quanitative Limit % Recovery outside of standard limits. If undiluted results may be estimated.	RL	Reporting Limit	Page 2 of 11

Xylenes, Total

Surr: 4-Bromofluorobenzene

# Hall Environmental Analysis Laboratory, Inc.

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

CLIENT:	R & R Environmental		Client	Sample Il	D: S-3	3 0.5'		
<b>Project:</b>	Barry Miller Booster Station	Collection Date: 10/24/2022 9:15:00 AM						
Lab ID:	2210C50-003	Matrix: SOIL	: SOIL Received Date: 10/26/2022 7:10:00 AM					
Analyses		Result	RL QI	al Units	DF	Date Analyzed	Batch	
EPA MET	THOD 300.0: ANIONS					Analys	t: NAI	
Chloride		1400	60	mg/Kg	20	10/31/2022 4:47:58 PM	71179	
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analys	: DGH	
Diesel Ra	ange Organics (DRO)	ND	15	mg/Kg	1	10/28/2022 7:04:55 PM	71099	

	EPA METHOD 8015M/D: DIESEL RANGE ORGA	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
E	EPA METHOD 8015D: GASOLINE RANGE					Analyst:	ССМ
	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
E	EPA METHOD 8021B: VOLATILES					Analyst:	ССМ
	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.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank	
-	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value	
	н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range	D

Not Detected at the Reporting Limit Practical Quanitative Limit

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

- Sample pH Not In Range P
- RL Reporting Limit

Page 3 of 11

# Hall Environmental Analysis Laboratory, Inc.

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

CLIENT: R & R Environmental Client Sample ID: S-4 0.5'										
<b>Project:</b>	Barry Miller Booster Station		(	<b>Collection Dat</b>	e: 10	/24/2022 9:20:00 AM				
Lab ID:	2210C50-004	Matrix: SOIL		Received Date: 10/26/2022 7:10:00 AM						
Analyses		Result	RL	Qual Units	DF	Date Analyzed	Batch			
EPA MET	HOD 300.0: ANIONS					Analyst				
Chloride		1300	60	mg/Kg	20	10/31/2022 5:00:22 PM	71179			
EPA MET	HOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	DGH			
Diesel Ra	ange Organics (DRO)	ND	15	mg/Kg	1	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: D	NOP	92.9	21-129	%Rec	1	10/28/2022 7:15:37 PM	71099			
EPA MET	HOD 8015D: GASOLINE RANG	E				Analyst	CCM			
Gasoline I	Range Organics (GRO)	ND	4.8	mg/Kg	1	10/28/2022 6:05:00 PM	71084			
Surr: B	FB	96.4	37.7-212	%Rec	1	10/28/2022 6:05:00 PM	71084			
EPA MET	HOD 8021B: VOLATILES					Analyst	CCM			
Benzene		ND	0.024	mg/Kg	1	10/28/2022 6:05:00 PM	71084			
Toluene		ND	0.048	mg/Kg	1	10/28/2022 6:05:00 PM	71084			
Ethylbenz	ene	ND	0.048	mg/Kg	1	10/28/2022 6:05:00 PM	71084			
Xylenes, T	Fotal	ND	0.097	mg/Kg	1	10/28/2022 6:05:00 PM	71084			
Surr: 4-	Bromofluorobenzene	114	70-130	%Rec	1	10/28/2022 6:05:00 PM	71084			

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

<b>Oualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	в	Analyte detected in the associated Method Blank	
•	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value	
	н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range	Deer 4 - 611
	PQL	Practical Quanitative Limit	RL	Reporting Limit	Page 4 of 11
	S	% Recovery outside of standard limits. If undiluted results may be estimated.			

# Hall Environmental Analysis Laboratory, Inc.

**EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** 

Diesel Range Organics (DRO)

Surr: DNOP

Surr: BFB

Benzene

Toluene

Ethylbenzene

Xylenes, Total

Motor Oil Range Organics (MRO)

Gasoline Range Organics (GRO)

Surr: 4-Bromofluorobenzene

D

Н

ND

PQL

S

Sample Diluted Due to Matrix

Practical Quanitative Limit

Not Detected at the Reporting Limit

Holding times for preparation or analysis exceeded

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

**EPA METHOD 8021B: VOLATILES** 

**EPA METHOD 8015D: GASOLINE RANGE** 

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

10/28/2022 7:36:52 PM

10/28/2022 7:36:52 PM

10/28/2022 7:36:52 PM

10/28/2022 6:24:00 PM 71084

10/28/2022 6:24:00 PM 71084

Analyst: DGH

Analyst: CCM

Analyst: CCM

71099

71099

71099

71084

71084

71084

71084

71084

Page 5 of 11

	and a second							
CLIENT:	R & R Environmental		Client	Sample I	D: S-:	5 0.5'		
<b>Project:</b>	Barry Miller Booster Station	Collection Date: 10/24/2022 9:30:00 AM						
Lab ID:	2210C50-005	Matrix: SOIL	Received Date: 10/26/2022 7:10:00 AM					
Analyses		Result	RL Qu	al Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS						Analys	t: NAI	
Chloride		1300	60	mg/Kg	20	10/31/2022 5:12:46 PM	71179	

ND

ND

85.0

ND

104

ND

ND

ND

ND

115

14

46

4.7

21-129

37.7-212

0.024

0.047

0.047

0.095

70-130

mg/Kg

mg/Kg

%Rec

mg/Kg

%Rec

mg/Kg

mg/Kg

mg/Kg

mg/Kg

%Rec

1

1

1

1

1

1

1

1

1

1

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information. Analyte detected in the associated Method Blank \* Value exceeds Maximum Contaminant Level. **Qualifiers:** в

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

# Hall Environmental Analysis Laboratory, Inc.

Surr: 4-Bromofluorobenzene

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

10/28/2022 6:44:00 PM 71084

CLIENT:	R & R Environmental		Cl	ient Sample II	D: S-	6 0.5'		
<b>Project:</b>	Barry Miller Booster Station		(	<b>Collection Dat</b>	<b>e:</b> 10	/24/2022 9:35:00 AM		
Lab ID:	2210C50-006	Matrix: SOIL	atrix: SOIL Received Date: 10/26/2022 7:10:00 AM					
Analyses		Result	RL	Qual Units	DF	Date Analyzed	Batch	
EPA MET	HOD 300.0: ANIONS					Analyst		
Chloride		2000	60	mg/Kg	20	10/31/2022 5:25:10 PM	71179	
EPA MET	HOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	DGH	
Diesel Ra	ange 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: D	NOP	85.1	21-129	%Rec	1	10/28/2022 7:47:31 PM	71099	
EPA MET	HOD 8015D: GASOLINE RANG	E				Analyst	CCM	
Gasoline	Range Organics (GRO)	ND	4.7	mg/Kg	1	10/28/2022 6:44:00 PM	71084	
Surr: B	FB	98.4	37.7-212	%Rec	1	10/28/2022 6:44:00 PM	71084	
EPA MET	HOD 8021B: VOLATILES					Analyst	ССМ	
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	
Ethylbenz	ene	ND	0.047	mg/Kg	1	10/28/2022 6:44:00 PM	71084	
Xylenes,	Fotal	ND	0.093	mg/Kg	1	10/28/2022 6:44:00 PM	71084	

114

70-130

%Rec

1

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

<b>Oualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	в	Analyte detected in the associated Method Blank	
<b>~</b>	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value	
	н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	
	ND Not Detected at the Reporting Limit		Р	Sample pH Not In Range	Deer Caf 11
	PQL	L Practical Quanitative Limit		Reporting Limit	Page 6 of 11
	S	% Recovery outside of standard limits. If undiluted results may be estimated.			

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

# Hall Environmental Analysis Laboratory, Inc.

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

10/28/2022 7:23:00 PM 71084

10/28/2022 7:23:00 PM 71084

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

1

1

mg/Kg

%Rec

CLIENT:	R & R Environmental		Cl	ient Sa	mple II	D: S-'	7 0.5'			
<b>Project:</b>	Barry Miller Booster Station	Collection Date: 10/24/2022 9:40:00 AM								
Lab ID:	2210C50-007	Matrix: SOIL		Receiv	ed Dat	<b>e:</b> 10	/26/2022 7:10:00 AM			
Analyses		Result	RL	Qual	Units	DF	Date Analyzed	Batch		
EPA MET	HOD 300.0: ANIONS						Analyst	NAI		
Chloride		2000	60		mg/Kg	20	10/31/2022 7:41:39 PM	71186		
EPA MET	HOD 8015M/D: DIESEL RANGE	ORGANICS					Analyst	DGH		
Diesel Ra	ange 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: D	NOP	77.4	21-129		%Rec	1	10/28/2022 7:58:09 PM	71099		
EPA MET	HOD 8015D: GASOLINE RANG	E					Analyst	ССМ		
Gasoline	Range Organics (GRO)	ND	4.7		mg/Kg	1	10/28/2022 7:23:00 PM	71084		
Surr: B	FB	97.5	37.7-212		%Rec	1	10/28/2022 7:23:00 PM	71084		
EPA MET	HOD 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		
Ethylbenz	ene	ND	0.047		mg/Kg	1	10/28/2022 7:23:00 PM	71084		

ND

114

0.094

70-130

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

Qualifiers:	* H ND PQL S	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.	B E J P RL	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 11

Xylenes, Total

Surr: 4-Bromofluorobenzene

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

WO#: 2210C50

Qual

%RPD

**RPDLimit** 

02-Nov-22

#### **Client:** R & R Environmental **Project:** Barry Miller Booster Station Sample ID: MB-71179 SampType: mblk TestCode: EPA Method 300.0: Anions Client ID: PBS Batch ID: 71179 RunNo: 92227 Prep Date: 10/31/2022 Analysis Date: 10/31/2022 SeqNo: 3312348 Units: mg/Kg Result PQL SPK value SPK Ref Val %REC HighLimit Analyte LowLimit ND Chloride 1.5 Sample ID: LCS-71179 SampType: Ics TestCode: EPA Method 300.0: Anions Client ID: LCSS Batch ID: 71179 RunNo: 92227 Prep Date: 10/31/2022 Analysis Date: 10/31/2022 SeaNo: 3312349 Units: ma/Ka

Frep Date. 10/31/2022	Analysis Date. 10/31/2022	Seq110. 3312349	Units. mg/kg					
Analyte	Result PQL SPK valu	e SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual				
Chloride	14 1.5 15.0	0 0 95.7 90	110	2				
Sample ID: LCS-71186	SampType: Ics	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					
Analyte	Result PQL SPK valu	e SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual				
Chloride	14 1.5 15.0	0 0 96.5 90	110					
Sample ID: MB-71186	SampType: mblk	TestCode: EPA Method	TestCode: EPA Method 300.0: Anions					
Client ID: PBS	Batch ID: 71186	RunNo: 92252						
Prep Date: 10/31/2022	Analysis Date: 11/1/2022	SeqNo: 3313631	Units: mg/Kg					
Analyte	Result PQL SPK valu	e SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual				
Chloride	ND 1.5							

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

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 S

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

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

Page 8 of 11

**Client:** 

R & R Environmental

#### **Project:** Barry Miller 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 HighLimit Analyte Result PQL SPK value SPK Ref Val %REC LowLimit %RPD **RPDLimit** Qual Diesel Range Organics (DRO) 45 15 50.00 127 0 90.6 64.4 Surr: DNOP 5.000 4.9 98.8 21 129 Sample ID: MB-71099 SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: PRS 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) ND 50 Surr: DNOP 9.4 10.00 93.5 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 Result PQL SPK value SPK Ref Val %RPD RPDLimit Analyte %REC LowLimit HighLimit 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 Units: %Rec Analysis Date: 10/31/2022 SeqNo: 3311076 Analyte Result PQL SPK value SPK Ref Val %REC HighLimit %RPD **RPDLimit** LowLimit 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 Batch ID: 71174 Client ID: LCSS RunNo: 92198 Prep Date: Analysis Date: 10/31/2022 10/31/2022 SeqNo: 3312301 Units: %Rec Analyte Result PQL SPK value SPK Ref Val %REC %RPD RPDLimit LowLimit HighLimit Qual Surr: DNOP 5.5 5.000 110 21 129 Sample ID: MB-71174 SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: PBS Batch ID: 71174 RunNo: 92198 Prep Date: 10/31/2022 Analysis Date: 10/31/2022 SeqNo: 3312302 Units: %Rec SPK value SPK Ref Val %REC %RPD **RPDLimit** Analyte Result POL HighLimit Qual LowLimit Sun: DNOP 9.7 10.00 96.8 21 129

AM

9:25:36

12/16/2022

Received by OCD:

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

Page 9 of 11

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: 2210C50

02-Nov-22

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

Project: Barry M	Amer Booster Station										
Sample ID: Ics-71084	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range									
Client ID: LCSS	Batch ID: 71084	RunNo: 92196									
Prep Date: 10/26/2022	Analysis Date: 10/28/2022	SeqNo: 3310373	Units: mg/Kg								
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual							
Gasoline Range Organics (GRO)	26 5.0 25.00		137	5-2							
Surr: BFB	2200 1000	216 37.7	212	S							
Sample ID: mb-71084	SampType: MBLK	TestCode: EPA Method	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 71084	RunNo: 92196									
Prep Date: 10/26/2022	Analysis Date: 10/28/2022	SeqNo: 3310374	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	970 1000	97.5 37.7	212								
Sample ID: Ics-71125	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range									
Client ID: LCSS	Batch ID: 71125	RunNo: 92196	RunNo: 92196								
Prep Date: 10/27/2022	Analysis Date: 10/29/2022	SeqNo: 3310421	Units: %Rec								
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual							
Surr: BFB	2200 1000	221 37.7	212	S							
Sample ID: mb-71125	SampType: MBLK	TestCode: EPA Method	8015D: Gasoline Range								
Client ID: PBS	Batch ID: 71125	RunNo: 92196	RunNo: <b>92196</b>								
Prep Date: 10/27/2022	Analysis Date: 10/29/2022	SeqNo: 3310422	Units: %Rec								
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual							
Surr: BFB	1000 1000	102 37.7	212								

# Qualifiers:

Value exceeds Maximum Contaminant Level. \*

- Sample Diluted Due to Matrix D

H ND

PQL S

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

Page 10 of 11

RL

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

#### **Client:** R & R Environmental

**Project:** Barry Miller Booster Station

Contraction of the second s								the second second second second		and the second secon			
Sample ID:	lcs-71084	Samp	Гуре: LC	s	TestCode: EPA Method 8021B: Volatiles								
Client ID:	LCSS	Batcl	h ID: 710	)84	F	RunNo: 92							
Prep Date:	10/26/2022	Analysis D	Date: 10	/28/2022	5	SeqNo: 33	310523	Units: <b>mg/Kg</b>					
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	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-Brom	nofluorobenzene	1.1		1.000		113	70	130					
Sample ID:	mb-71084	SampT	уре: МВ	LK	Tes	tCode: EP	PA Method	8021B: Volati	les				
Client ID:	PBS	Batch	n ID: 710	84	F	lunNo: 92	2196						
Prep Date:	10/26/2022	Analysis D	)ate: 10	/28/2022	S	eqNo: 33	g						
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Benzene		ND	0.025										
Toluene		ND	0.050										
Ethylbenzene		ND	0.050										
Xylenes, Total		ND	0.10										
Surr: 4-Brom	ofluorobenzene	1.1		1.000		112	70	130					
Sample ID:	lcs-71125	SampT	ype: LCS	3	TestCode: EPA Method 8021B: Volatiles								
Client ID:	LCSS	Batch	ID: 711	25	R	unNo: 92	196						
Prep Date:	10/27/2022	Analysis D	ate: 10/	29/2022	S	eqNo: 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	Test	Code: EP	A Method	8021B: Volatil	es				
Client ID:	PBS	Batch	ID: 711	25	R	unNo: <b>92</b>	196						
Prep Date:	10/27/2022	Analysis D	ate: 10/	29/2022	SeqNo: 3310572 Units: %Rec								
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Surr: 4-Brome	ofluorobenzene	1.2		1.000	26 a 170	120	70	130					

# 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 S

% 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 J Analyte detected below quantitation limits
  - Sample pH Not In Range
- Р RL Reporting Limit

Page 11 of 11

HALL ENVIRONMENTAL ANALYSIS LABORATORY	TEL: 505-345	nental Analysis Labo 4901 Hawk Albuquerque, NM 5-3975 FAX: 505-34 ww.hallenvironment	tins NE 187109 San 5-4107	ample Log-In Check List						
Client Name: R & R Environmental	Work Order Nu	mber: 2210C50		RcptNo: 1						
Received By: Juan Rojas Completed By: Sean Livingston Reviewed By: JK 10/26/22	10/26/2022 7:10: 10/26/2022 7:46:		Guavenez S-L	John						
<ul><li><u>Chain of Custody</u></li><li>1. Is Chain of Custody complete?</li><li>2. How was the sample delivered?</li></ul>		Yes <b>⊻</b> <u>Courier</u>	No 🗌	Not Present						
<u>Log In</u> 3. Was an attempt made to cool the samples	?	Yes 🗹	No 🗌							
4. Were all samples received at a temperature	e of ≥0° C to 6.0°C	Yes 🔽	No 🗌							
5. Sample(s) in proper container(s)?		Yes 🔽	No 🗌							
<ol> <li>Sufficient sample volume for indicated test( 7. Are samples (except VOA and ONG) proper</li> </ol>		Yes 🗹 Yes 🗹	No 🗌 No 🗌							
8. Was preservative added to bottles?		Yes 🗌	No 🗹	NA 🗌						
<ol> <li>Received at least 1 vial with headspace &lt;1/2</li> <li>Were any sample containers received broke</li> </ol>		Yes 🗌 Yes 🗍	No □ No ☑	NA 🗹						
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)		Yes 🗹	No 🗆	bottles checked for pH: (<2 or >12	unless noted)					
12. Are matrices correctly identified on Chain of	Custody?	Yes 🗹	No 🗌	Adjusted?						
<ul><li>13. Is it clear what analyses were requested?</li><li>14. Were all holding times able to be met? (If no, notify customer for authorization.)</li></ul>		Yes 🗹 Yes 🗹	No 🗌 No 🗌	Checked by: KPC	10.26.22					
Special Handling (if applicable)										
15. Was client notified of all discrepancies with	this order?	Yes 🗌	No 🗌	NA 🗹						
Person Notified: By Whom: Regarding: Client Instructions:	Date Via:	·	Phone 🗌 Fax	In Person						
16. Additional remarks: 17. <u>Cooler Information</u>										
	eal Intact Seal No	Seal Date	Signed By							

Page 58 of 155

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

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Page 59 of 155

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NEW DX 0001: 14/10/2022 2:22:20 VIN	Chain-of-Custody
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•	HALL ENVIRONMENTA	analysis laborator	www.hallenvironmental.com	Ā	1ei. 505-345-3975 Fax 505-345-4107 Analysis Brannes								н ш х н ц т	×	×			×						Remarks: Email Results to: james.carnes@aol.com	
Г				Т				U	 	0			n o o	×	×	×	×	×	×	×	,	-	 -	 Rer	
•	Ruish C-Dr.	677 S	c						Se	ON D		2-6.121.1	HEAL No.	001	200,	200	PUC		2)CN	- (N)				Date Time	nga nimi
I Time:		1	Booster Statio	Project #:		ner:			James Carnes	Yes		Cooler Temp(including cp): 1, 2-0, 1 = 1.	Preservative Type	Ice/Cool				Via:	m						
Turn-Around Time:	-    🕅 Standaro	Project Name:	-   Barry Miller	Project #:	- <b>-</b>	Project Manager	James Carnes		Sampler:	On Ice:	# of Coolers:	Cooler Temp	Container Type and #	Glass Jar/1				Received by:	aruuu						
Chain-of-Custody Record			1505 W. Bullock Ave		.9340			Level 4 (Full Validation)	npliance				Sample Name	S-1 0.5'	S-2 0.5'	S-3 0.5'	S-4 0.5'	S-5 0.5'	S-6 0.5'	S-7 0.5;					(ha)
f-Cu	ironmer			-	575.616.9340		×.		D AZ CC				Matrix	Soil				Relinquished by: $\Lambda$	these						
lain-o	R&R Environmental		dress:	1 88210		÷ŧ	age:	7			(ed		Time	9:00	9:05	9:15	9:20	9:30	9:35	9:40				Time:	
Ч <mark>О</mark>	Client:		Mailing Address:	Artesia, NM 88210	Phone #:	email or Fax#:	QA/QC Package:	Standard	Accreditation:				Date -	10/24/2022	10/24/2022	10/24/2022	10/24/2022	10/24/2022	10/24/2022	10/24/2022				 10 Acho	

# HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

November 11, 2022

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

OrderNo.: 2211156

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

Dear James Carnes:

RE: Barry Miller

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

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Analytical Report									
Lab Order 2211156									
Date Reported: 11/11/2022									

Analyst: NSB

Analyst: NSB

71278

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11/5/2022 1:24:16 AM

11/5/2022 1:24:16 AM 11/5/2022 1:24:16 AM

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: R & R Environmental Client Sample ID: S2A 2'											
Project:Barry MillerCollection Date: 11/2/2022 8:00:00											
Lab ID:	2211156-001	Matrix: SOIL	Matrix: SOIL Received Date: 11/3/2022 7:30:00 AM								
Analyses		Result	RL Q	ual Units	DF	Date Analyzed	Batch				
EPA ME	THOD 300.0: ANIONS	τ.				Analyst	: JTT				
Chloride		380	60	mg/Kg	20	11/7/2022 9:20:32 PM	71352				
EPA ME	THOD 8015M/D: DIESEL R	ANGE ORGANICS				Analyst	: DGH				
Diesel R	ange Organics (DRO)	ND	15	mg/Kg	1	11/4/2022 1:44:12 PM	71292				
Motor Oi	Range Organics (MRO)	ND	50	mg/Kg	1	11/4/2022 1:44:12 PM	71292				
Surr: [	ONOP	98.2	21-129	%Rec	1	11/4/2022 1:44:12 PM	71292				

ND

87.4

ND

ND

ND

ND

92.2

37.7-212

0.023

0.047

0.047

0.093

70-130

4.7

mg/Kg

%Rec

mg/Kg

mg/Kg

mg/Kg

mg/Kg

%Rec

1

1

1

1

1

1

1

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

Page 1 of 26

-

Surr: BFB

Benzene

Toluene

Ethylbenzene

Xylenes, Total

**EPA METHOD 8015D: GASOLINE RANGE** 

Gasoline Range Organics (GRO)

Surr: 4-Bromofluorobenzene

**EPA METHOD 8021B: VOLATILES** 

# Hall Environmental Analysis Laboratory, Inc.

Date Reported: 11/11/2022

CLIENT:	R & R Environmental		Cl	ient Sample II	<b>):</b> S3	A 2'	
<b>Project:</b>	Barry Miller		(	Collection Date	e: 11	/2/2022 8:05:00 AM	
Lab ID:	2211156-002	Matrix: SOIL		<b>Received Dat</b>	e: 11	/3/2022 7:30:00 AM	
Analyses		Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA MEI	THOD 300.0: ANIONS					Analyst	: JTT
Chloride		140	60	mg/Kg	20	11/7/2022 9:32:53 PM	71352
EPA MET	HOD 8015M/D: DIESEL RA	NGE ORGANICS				Analyst	: DGH
Diesel Ra	ange 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: D	NOP	103	21-129	%Rec	1	11/4/2022 1:54:44 PM	71292
EPA MET	HOD 8015D: GASOLINE R	ANGE				Analyst	: NSB
Gasoline	Range Organics (GRO)	ND	4.7	mg/Kg	1	11/5/2022 1:47:37 AM	71278
Surr: B	IFB	85.9	37.7-212	%Rec	1	11/5/2022 1:47:37 AM	71278
EPA MET	HOD 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
Ethylbenz	ene	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

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

- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit

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

- Analyte detected in the associated Method Blank В Above Quantitation Range/Estimated Value Ε
- Analyte detected below quantitation limits J
- Sample pH Not In Range Р
- RL **Reporting Limit**

Page 2 of 26

Analytical Report
Lab Order 2211156
Data Danastade 11/11/201

# Hall Environmental Analysis Laboratory, Inc.

Date Reported: 11/11/2022

CLIENT: R & R Environmental		Cl	ient Sample II	<b>D:</b> S4	A 2'	
Project: Barry Miller		C	<b>Collection Dat</b>	e: 11	/2/2022 8:10:00 AM	
Lab ID: 2211156-003	Matrix: SOIL		<b>Received Dat</b>	e: 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	ORGANICS				, 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 RANGI	Ξ				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

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

Qualifiers:

Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix

\*

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

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# Hall Environmental Analysis Laboratory, Inc.

Date Reported: 11/11/2022

CLIENT:	R & R Environmental		Cl	ient Sample II	<b>D:</b> S5	A 2'	
<b>Project:</b>	Barry Miller		(	Collection Dat	e: 11	/2/2022 8:15:00 AM	
Lab ID:	2211156-004	Matrix: SOIL		<b>Received Dat</b>	<b>e:</b> 11	/3/2022 7:30:00 AM	
Analyses		Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA MET	HOD 300.0: ANIONS					Analyst	: JTT
Chloride		270	60	mg/Kg	20	11/7/2022 10:22:15 PM	71352
EPA MET	HOD 8015M/D: DIESEL RANG	E ORGANICS				Analyst	DGH
Diesel Ra	ange Organics (DRO)	ND	14	mg/Kg	1	11/4/2022 2:15:52 PM	71292
Motor Oil	Range Organics (MRO)	ND	47	mg/Kg	1	11/4/2022 2:15:52 PM	71292
Surr: D	NOP	94.2	21-129	%Rec	1	11/4/2022 2:15:52 PM	71292
EPA MET	HOD 8015D: GASOLINE RANG	E				Analyst	NSB
Gasoline	Range Organics (GRO)	ND	4.7	mg/Kg	1	11/5/2022 3:20:55 AM	71278
Surr: B	FB	84.3	37.7-212	%Rec	1	11/5/2022 3:20:55 AM	71278
EPA MET	HOD 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
Ethylbenz	ene	ND	0.047	mg/Kg	1	11/5/2022 3:20:55 AM	71278
Xylenes, 1	Fotal	ND	0.095	mg/Kg	1	11/5/2022 3:20:55 AM	71278
Surr: 4-	Bromofluorobenzene	90.4	70-130	%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.

- 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
  - Analyte detected below quantita Sample pH Not In Range
- P Sample pH Not In I RL Reporting Limit

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# Hall Environmental Analysis Laboratory, Inc.

Date Reported: 11/11/2022

CLIENT:	R & R Environmental		Cl	ient Sample II	D: S6	A 2'	
<b>Project:</b>	Barry Miller		(	<b>Collection Dat</b>	e: 11	/2/2022 8:20:00 AM	
Lab ID:	2211156-005	Matrix: SOIL		<b>Received Dat</b>	e: 11	/3/2022 7:30:00 AM	
Analyses		Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA MET	THOD 300.0: ANIONS					Analyst	: JTT
Chloride		ND	59	mg/Kg	20	11/7/2022 10:34:36 PM	71352
EPA MET	THOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	DGH
Diesel Ra	ange 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: E	NOP	107	21-129	%Rec	1	11/4/2022 2:26:29 PM	71292
EPA MET	HOD 8015D: GASOLINE RANG	E				Analyst	: NSB
Gasoline	Range Organics (GRO)	ND	4.9	mg/Kg	1	11/5/2022 3:44:17 AM	71278
Surr: E	BFB	83.7	37.7-212	%Rec	1	11/5/2022 3:44:17 AM	71278
EPA MET	HOD 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
Ethylbenz	zene	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.

- 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. S
- Analyte detected in the associated Method Blank в Е Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- Sample pH Not In Range Р
- RL Reporting Limit

# Hall Environmental Analysis Laboratory, Inc.

Date Reported: 11/11/2022

CLIENT:	R & R Environmental		Cl	ient Sample II	<b>):</b> S7	'A 2'	
<b>Project:</b>	Barry Miller		(	Collection Dat	e: 11	/2/2022 8:25:00 AM	
Lab ID:	2211156-006	Matrix: SOIL		<b>Received Dat</b>	e: 11	/3/2022 7:30:00 AM	
Analyses		Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA MET	HOD 300.0: ANIONS					Analyst	: JTT
Chloride		ND	60	mg/Kg	20	11/7/2022 10:46:57 PM	71352
EPA MET	HOD 8015M/D: DIESEL RANG	E ORGANICS				Analyst	DGH
Diesel Ra	ange 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: D	NOP	99.5	21-129	%Rec	1	11/4/2022 2:37:05 PM	71292
EPA MET	HOD 8015D: GASOLINE RANG	<b>GE</b>				Analyst	NSB
Gasoline	Range Organics (GRO)	ND	4.8	mg/Kg	1	11/5/2022 4:07:34 AM	71278
Surr: B	FB	86.0	37.7-212	%Rec	1	11/5/2022 4:07:34 AM	71278
EPA MET	HOD 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
Ethylbenz	ene	ND	0.048	mg/Kg	1	11/5/2022 4:07:34 AM	71278
Xylenes, 7	Fotal	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

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

- 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

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Date Reported: 11/11/2022

Without the second second						Contract of States and State	
CLIENT: Project: Lab ID:	R & R Environmental Barry Miller 2211156-007	Matrix: SOIL			e: 11/	A 2' /2/2022 8:30:00 AM /3/2022 7:30:00 AM	
Lau ID:	2211130-007	Maurix, SOIL		Received Dat	<b>c.</b> 11/	572022 7.50.00 AW	
Analyses	5	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA ME	THOD 300.0: ANIONS					Analyst	: JTT
Chloride		280	60	mg/Kg	20	11/7/2022 10:59:17 PM	71352
EPA ME	THOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	DGH
Diesel R	ange Organics (DRO)	ND	15	mg/Kg	1	11/4/2022 2:47:42 PM	71292
Motor Oi	I Range Organics (MRO)	ND	50	mg/Kg	1	11/4/2022 2:47:42 PM	71292
Surr: [	ONOP	94.0	21-129	%Rec	1	11/4/2022 2:47:42 PM	71292
EPA ME	THOD 8015D: GASOLINE RANG	E				Analyst	: NSB
Gasoline	Range Organics (GRO)	ND	4.8	mg/Kg	1	11/5/2022 4:30:48 AM	71278
Surr: E	3FB	83.5	37.7-212	%Rec	1	11/5/2022 4:30:48 AM	71278
EPA MEI	THOD 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
Ethylben	zene	ND	0.048	mg/Kg	1	11/5/2022 4:30:48 AM	71278
-				N 97	10 N	the second second second second second	

ND

89.6

0.095

70-130

mg/Kg

%Rec

1

1

11/5/2022 4:30:48 AM

11/5/2022 4:30:48 AM

71278

71278

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

\* Value exceeds Maximum Contaminant Level. Qualifiers:

Xylenes, Total

Surr: 4-Bromofluorobenzene

D Sample Diluted Due to Matrix

Holding times for preparation or analysis exceeded н

Hall Environmental Analysis Laboratory, Inc.

- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit

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

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

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<b>Analytical Report</b>
Lab Order 2211156

# Hall Environmental Analysis Laboratory, Inc.

Date Reported: 11/11/2022

CLIENT: R & R Environmental		Cl	ient Sample II	D: S9	A 2'	
Project: Barry Miller		(	<b>Collection Dat</b>	e: 11	/2/2022 8:35:00 AM	
Lab ID: 2211156-008	Matrix: SOIL		<b>Received Dat</b>	e: 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	ORGANICS				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	E		<i>x</i> -		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.

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

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

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

**Analytical Report** Lab Order 2211156 Date Reported: 11/11/2022

11/5/2022 5:17:16 AM

71278

71278

71278

71278

71278

71278

71278

Analyst: NSB

# Hall Environmental Analysis Laboratory, Inc.

CLIENT:	R & R Environmental		Clien	t Sample II	<b>):</b> S1	0A 2'	
<b>Project:</b>	Barry Miller		Col	lection Date	e: 11	/2/2022 8:40:00 AM	
Lab ID:	2211156-009	Matrix: SOIL	Re	eceived Date	e: 11	/3/2022 7:30:00 AM	
Analyses		Result	RL Q	ual Units	DF	Date Analyzed	Batch
EPA MET	HOD 300.0: ANIONS					Analyst	: JTT
Chloride		160	60	mg/Kg	20	11/8/2022 11:23:59 AM	71360
EPA MET	HOD 8015M/D: DIESEL RA	NGE ORGANICS				Analyst	DGH
Diesel Ra	ange 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: D	NOP	96.8	21-129	%Rec	1	11/4/2022 3:08:58 PM	71292
EPA MET	HOD 8015D: GASOLINE R	ANGE				Analyst	NSB

ND

81.9

ND

ND

ND

ND

88.1

4.9

37.7-212

0.024

0.049

0.049

0.097

70-130

mg/Kg

%Rec

mg/Kg

mg/Kg

mg/Kg

mg/Kg

%Rec

1

1

1

1

1

1

1

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

**Qualifiers:** 

Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix

\*

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

Gasoline Range Organics (GRO)

Surr: 4-Bromofluorobenzene

**EPA METHOD 8021B: VOLATILES** 

Surr: BFB

Benzene

Toluene

Ethylbenzene

Xylenes, Total

Analytical Report
Lab Order 2211156

11/5/2022 5:40:28 AM

71278

# Date Reported: 11/11/2022

			-				
	Cl	ient Sample II	<b>D:</b> S1	1A 2'			
Collection Date: 11/2/2022 8:45:00 AM							
Matrix: SOIL	Matrix: SOIL         Received Date: 11/3/2022 7:30:00 AM						
Result	RL	Qual Units	DF	Date Analyzed	Batch		
				Analyst	: JTT		
450	60	mg/Kg	20	11/8/2022 12:01:01 PM	71360		
<b>BE ORGANICS</b>				Analyst	DGH		
ND	15	mg/Kg	1	11/4/2022 3:19:47 PM	71292		
ND	50	mg/Kg	1	11/4/2022 3:19:47 PM	71292		
99.2	21-129	%Rec	1	11/4/2022 3:19:47 PM	71292		
GE				Analyst	NSB		
ND	4.9	mg/Kg	1	11/5/2022 5:40:28 AM	71278		
84.4	37.7-212	%Rec	1	11/5/2022 5:40:28 AM	71278		
				Analyst	NSB		
ND	0.025	mg/Kg	1	11/5/2022 5:40:28 AM	71278		
ND	0.049	mg/Kg	1	11/5/2022 5:40:28 AM	71278		
ND	0.049	mg/Kg	1	11/5/2022 5:40:28 AM	71278		
ND	0.099	mg/Kg	1	11/5/2022 5:40:28 AM	71278		
	Result 450 SE ORGANICS ND 99.2 GE ND 84.4 ND 84.4 ND ND ND ND	Matrix:         SOIL           Result         RL           450         60           5E ORGANICS         00           ND         15           ND         50           99.2         21-129           GE         ND         4.9           84.4         37.7-212           ND         0.025           ND         0.049           ND         0.049	Collection Dat Matrix: SOIL Received Dat Result RL Qual Units 450 60 mg/Kg 450 60 mg/Kg 99.2 21-129 %Rec GE ND 4.9 mg/Kg 84.4 37.7-212 %Rec ND 0.025 mg/Kg ND 0.049 mg/Kg	Collection Date: 11         Matrix: SOIL       Received Date: 11         Result       RL       Qual       Units       DF         450       60       mg/Kg       20         450       60       mg/Kg       1         ND       15       mg/Kg       1         99.2       21-129       %Rec       1         GE         ND       4.9       mg/Kg       1         84.4       37.7-212       %Rec       1         ND       0.025       mg/Kg       1         ND       0.049       mg/Kg       1         ND       0.049       mg/Kg       1	Matrix: SOIL         Received Date: 11/3/2022 7:30:00 AM           Result         RL         Qual         Units         DF         Date Analyzed           450         60         mg/Kg         20         11/8/2022 12:01:01 PM           450         60         mg/Kg         1         11/8/2022 12:01:01 PM           6E ORGANICS         Analyst           ND         15         mg/Kg         1         11/4/2022 3:19:47 PM           99.2         21-129         %Rec         1         11/4/2022 3:19:47 PM           6E         Analyst           MD         4.9         mg/Kg         1         11/5/2022 5:40:28 AM           84.4         37.7-212         %Rec         1         11/5/2022 5:40:28 AM           ND         0.025         mg/Kg         1         11/5/2022 5:40:28 AM           ND         0.049		

89.4

70-130

%Rec

1

Hall Environmental Analysis Laboratory, Inc.

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

Qualifiers:

٠

Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix

Surr: 4-Bromofluorobenzene

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

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# Hall Environmental Analysis Laboratory, Inc.

Lab Order 2211156 Date Reported: 11/11/2022

CLIENT: R & R Environmental		CI	ient Sample II	D. S1	2 4 2'	
	Client Sample ID: S12A 2' Collection Date: 11/2/2022 8:50:00 AM					
Project: Barry Miller						
Lab ID: 2211156-011	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	180	60	mg/Kg	20	11/8/2022 12:38:04 PM	71360
EPA METHOD 8015M/D: DIESEL RANGE	E ORGANICS				Analys	: 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 RANG	E				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	Analy		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.

<b>Oualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	в	Analyte detected in the associated Method Blank	
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value	
	н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range	Dece 11 +606
	PQL	Practical Quanitative Limit	RL	Reporting Limit	Page 11 of 26
	S	% Recovery outside of standard limits. If undiluted results may be estimated.			

<b>Analytical Report</b>					
Lab Order 2211156					
Date Reported: 11/11/2022					

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: R & R Environmental

Barry Miller

2211156-012

**Project:** 

Lab ID:

		•
	Client Sample ID: S13A 2'	
	Collection Date: 11/2/2022 8:55:00 AM	
Matrix: SOIL	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	t: JTT
Chloride	340	60	mg/Kg	20	11/8/2022 1:15:05 PM	71360
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS					Analyst	t: 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	I 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.

\* Value exceeds Maximum Contaminant Level. Qualifiers:

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. S

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

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**Analytical Report** Lab Order 2211156

## Hall Environmental Analysis Laboratory, Inc.

Date Reported: 11/11/2022

CLIENT: R & R Environmental		C	ient Sample II	$\mathbf{D} \cdot \mathbf{S} 1$	4A 2'				
Project: Barry Miller	<b>Collection Date:</b> 11/2/2022 9:00:00 AM								
Lab ID: 2211156-013	Matrix: SOIL								
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch			
EPA METHOD 300.0: ANIONS					Analyst	: JTT			
Chloride	ND	60	mg/Kg	20	11/8/2022 1:27:27 PM	71360			
EPA METHOD 8015M/D: DIESEL RANG	E ORGANICS				Analyst	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 RANG	E				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			

ND

89.1

0.096

70-130

1

1

mg/Kg

%Rec

11/5/2022 6:50:10 AM

11/5/2022 6:50:10 AM

71278

71278

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

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

Xylenes, Total

Surr: 4-Bromofluorobenzene

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#### Analyte detected in the associated Method Blank в

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

Page 13 of 26

ND Not Detected at the Reporting Limit Practical Quanitative Limit PQL S

Sample Diluted Due to Matrix

Value exceeds Maximum Contaminant Level.

Holding times for preparation or analysis exceeded

\*

D

Н

Qualifiers:

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

Analytical Report
Lab Order 2211156
Date Reported: 11/11/2022

11/8/2022 1:39:48 PM

11/7/2022 11:44:13 PM 71298

11/7/2022 11:44:13 PM 71298

11/7/2022 11:44:13 PM 71298

11/7/2022 10:39:00 AM 71295

11/7/2022 10:39:00 AM

Batch

71360

Analyst: DGH

Analyst: CCM

Analyst: CCM

71295

### Hall Environmental Analysis Laboratory, Inc.

EPA METHOD 8015M/D: DIESEL RANGE ORGANICS

Analyses EPA METHOD 300.0: ANIONS								
		RL Qual Units	DF Date Analyzed	Batel				
156-014	Matrix: SOIL	Received Date: 11/3/2022 7:30:00 AM						
y Miller	Collection Date: 11/2/2022 9:05:00 AM							
R Environmental	Client Sample ID: S15A 2'							
	R Environmental y Miller 156-014	y Miller	y Miller Collection Date 156-014 Matrix: SOIL Received Date	Y Miller         Collection Date: 11/2/2022 9:05:00 AM           156-014         Matrix: SOIL         Received Date: 11/3/2022 7:30:00 AM				

60

15

50

4.8

21-129

37.7-212

0.024

0.048

0.048

0.095

70-130

mg/Kg

mg/Kg

mg/Kg

%Rec

mg/Kg

%Rec

mg/Kg

mg/Kg

mg/Kg

mg/Kg

%Rec

20

1

1

1

1

1

1

1

1

1

1

ND

ND

ND

108

ND

104

ND

ND

ND

ND

114

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

Value exceeds Maximum Contaminant Level. Qualifiers:

- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit ND
- POL Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated. S
- Analyte detected in the associated Method Blank в
- Ε Above Quantitation Range/Estimated Value Analyte detected below quantitation limits J
  - Sample pH Not In Range
- Р RL Reporting Limit
- Page 14 of 26

Chloride

Surr: DNOP

Surr: BFB

Benzene

Toluene

Ethylbenzene

Xylenes, Total

**Diesel Range Organics (DRO)** 

Motor Oil Range Organics (MRO)

Gasoline Range Organics (GRO)

Surr: 4-Bromofluorobenzene

**EPA METHOD 8021B: VOLATILES** 

**EPA METHOD 8015D: GASOLINE RANGE** 

Analytical Report Lab Order 2211156

# Hall Environmental Analysis Laboratory, Inc.

Date Reported: 11/11/2022

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		<b>Received Dat</b>	e: 11	/3/2022 7:30:00 AM			
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch		
EPA METHOD 300.0: ANIONS					Analyst:	JTT		
Chloride	700	60	mg/Kg	20	11/8/2022 1:52:09 PM	71360		
EPA METHOD 8015M/D: DIESEL RANG	E ORGANICS				Analyst:	DGH		
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	11/8/2022 12:15:57 AM	71298		
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	11/8/2022 12:15:57 AM	71298		
Surr: DNOP	82.5	21-129	%Rec	1	11/8/2022 12:15:57 AM	71298		
EPA METHOD 8015D: GASOLINE RANG	E				Analyst:	ССМ		
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	11/7/2022 11:39:00 AM	71295		
Surr: BFB	101	37.7-212	%Rec	1	11/7/2022 11:39:00 AM	71295		
EPA METHOD 8021B: VOLATILES					Analyst:	ССМ		
Benzene	ND	0.025	mg/Kg	1	11/7/2022 11:39:00 AM	71295		
Toluene	ND	0.049	mg/Kg	1	11/7/2022 11:39:00 AM	71295		
Ethylbenzene	ND	0.049	mg/Kg	1	11/7/2022 11:39:00 AM	71295		
Xylenes, Total	ND	0.098	mg/Kg	1	11/7/2022 11:39:00 AM	71295		
Surr: 4-Bromofluorobenzene	114	70-130	%Rec	1	11/7/2022 11:39:00 AM	71295		

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

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

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**Analytical Report** Lab Order 2211156

## Hall Environmental Analysis Laboratory, Inc.

Date Reported: 11/11/2022

11/7/2022 12:38:00 PM 71295

11/7/2022 12:38:00 PM 71295

CLIENT:	R & R Environmental		Cl	ient Sample I	<b>D:</b> S1	7A 2'			
<b>Project:</b>	Barry Miller			Collection Dat	te: 11	/2/2022 9:15:00 AM			
Lab ID:	2211156-016	Matrix: SOIL	Matrix: SOIL         Received Date: 11/3/2022 7:30:00 AM						
Analyses		Result	RL	Qual Units	DF	Date Analyzed	Batch		
EPA ME	THOD 300.0: ANIONS					Analyst	: JTT		
Chloride		250	59	mg/Kg	20	11/8/2022 2:04:30 PM	71360		
EPA MET	THOD 8015M/D: DIESEL RANG	E ORGANICS				Analyst	: DGH		
Diesel Ra	ange 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: E	DNOP	88.2	21-129	%Rec	1	11/8/2022 12:26:33 AM	71298		
EPA MET	HOD 8015D: GASOLINE RANG	θE				Analyst	ссм:		
Gasoline	Range Organics (GRO)	ND	4.9	mg/Kg	1	11/7/2022 12:38:00 PM	71295		
Surr: E	3FB	91.3	37.7-212	%Rec	1	11/7/2022 12:38:00 PM	71295		
ЕРА МЕТ	HOD 8021B: VOLATILES					Analyst	ссм:		
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		
Ethylbenz	zene	ND	0.049	mg/Kg	1	11/7/2022 12:38:00 PM	71295		

ND

106

0.097

70-130

mg/Kg

%Rec

1

1

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

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Xylenes, Total

Surr: 4-Bromofluorobenzene

\*

D

н

ND

PQL

S

Qualifiers:

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

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

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

Value exceeds Maximum Contaminant Level.

Holding times for preparation or analysis exceeded

Sample Diluted Due to Matrix

Not Detected at the Reporting Limit

Analytical Report
Lab Order 2211156
Data Danastad. 11/11/20

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: R & R Environmental

Date Reported: 11/11/2022 Client Sample ID: S18A 2'

Project: Barry Miller	t: Barry Miller Collection Date: 11/2/2022 9:00:00 AM								
Lab ID: 2211156-017	Matrix: SOIL	/3/2022 7:30:00 AM							
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch			
EPA METHOD 300.0: ANIONS					Analysi	t: JTT			
Chloride	310	60	mg/Kg	20	11/8/2022 2:16:50 PM	71360			
EPA METHOD 8015M/D: DIESEL RANG	E ORGANICS				Analyst	t: 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 RANG	GE				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	ссм:			
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. D Sample Diluted Due to Matrix

\*

- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit

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

- Analyte detected in the associated Method Blank В Е Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL **Reporting Limit**

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Analytical Report Lab Order 2211156

## Hall Environmental Analysis Laboratory, Inc.

Date Reported: 11/11/2022

CLIENT: R & R Envi	ronmental	Client Sample ID: S19A 2'								
Project: Barry Miller	r	Collection Date: 11/2/2022 9:25:00 AM								
Lab ID: 2211156-01	8 N	Matrix: SOIL         Received Date: 11/3/2022 7:30:00 Å								
Analyses		Result	RL	Qual Units	DF	Date Analyzed	Batch			
EPA METHOD 300.0:	ANIONS					Analyst	: JTT			
Chloride		660	60	mg/Kg	20	11/8/2022 2:29:11 PM	71360			
EPA METHOD 8015M	/D: DIESEL RANGE O	RGANICS				Analyst	: DGH			
Diesel Range Organics (	(DRO)	ND	15	mg/Kg	1	11/8/2022 12:47:48 AM	71298			
Motor Oil Range Organic	cs (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					Analyst	CCM			
Gasoline Range Organic	s (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-Bromofluorobe	nzene	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.

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

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Analytical Report
Lab Order 2211156
Date Reported: 11/11/2022

11/7/2022 1:37:00 PM

71295

# 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	/3/2022 7:30:00 AM						
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch		
EPA METHOD 300.0: ANIONS					Analyst	: JTT		
Chloride	370	60	mg/Kg	20	11/8/2022 2:41:32 PM	71360		
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	DGH		
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	11/8/2022 12:58:26 AM	71298		
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	11/8/2022 12:58:26 AM	71298		
Surr: DNOP	90.4	21-129	%Rec	1	11/8/2022 12:58:26 AM	71298		
EPA METHOD 8015D: GASOLINE RANGE	E				Analyst	CCM		
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	11/7/2022 1:37:00 PM	71295		
EPA METHOD 8021B: VOLATILES					Analyst	CCM		
Benzene	ND	0.024	mg/Kg	1	11/7/2022 1:37:00 PM	71295		
Toluene	ND	0.047	mg/Kg	1	11/7/2022 1:37:00 PM	71295		
Ethylbenzene	ND	0.047	mg/Kg	1	11/7/2022 1:37:00 PM	71295		
Xylenes, Total	ND	0.095	mg/Kg	1	11/7/2022 1:37:00 PM	71295		

109

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. D Sample Diluted Due to Matrix

Surr: 4-Bromofluorobenzene

- 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. S
- Analyte detected in the associated Method Blank В E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
  - Р Sample pH Not In Range
- RL **Reporting Limit**

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WO#: 2211156

11-Nov-22

Client:		R Environmental								
Project:	Barr	y Miller					19209-824-01-0-1-0-1-0-1-0-1-0-1-0-1-0-1-0-1-0-1			
Sample ID:	MB-71352	SampType: ME	BLK	Tes	tCode: EF	PA Method	300.0: Anions	i		
Client ID:	PBS	Batch ID: 71:	352	F	RunNo: 92	2399				
Prep Date:	11/7/2022	Analysis Date: 11	/7/2022	5	SeqNo: 3	320666	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-71352	SampType: LC	S	Tes	tCode: EF	PA Method	300,0: Anions	1		
Client ID:	LCSS	Batch ID: 713	352	F	RunNo: 92	2399				
Prep Date:	11/7/2022	Analysis Date: 11	/7/2022	5	SeqNo: 3	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	SampType: MB	LK	Tes	tCode: EF	PA Method	300.0: Anions			
Client ID:	PBS	Batch ID: 713	60	F	RunNo: 92	2424				
Prep Date:	11/8/2022	Analysis Date: 11	/8/2022	S	SeqNo: 33	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	SampType: LC:	S	Tes	tCode: EF	PA Method	300.0: Anions			
Client ID:	LCSS	Batch ID: 713	60	F	RunNo: 92	2424				
Prep Date:	11/8/2022	Analysis Date: 11	/8/2022	s	SeqNo: 33	321855	Units: mg/Kg	g		
Analyte		Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		14 1.5	15.00	0	93.9	90	110			

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- Sample Diluted Due to Matrix
- 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 В Above Quantitation Range/Estimated Value
- E J Analyte detected below quantitation limits
- Sample pH Not In Range
- Р RL Reporting Limit

WO#: 2211156

11-Nov-22

Client:R & R EProject:Barry M	iller	ntal								
Sample ID: LCS-71292	Samp	Type: LC	s	TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: LCSS	Batc	h ID: 71	292	RunNo: 92341						
Prep Date: 11/3/2022	Analysis [	Date: 1	1/4/2022		SeqNo: 3	318007	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO) Surr: DNOP	44 5.1	15	50.00 5.000	0	87.5 102	64.4 21	127 129			
Sample ID: MB-71292	SampT	Гуре: МІ	BLK	Tes	tCode: EF	PA Method	8015M/D: Die	sel Range	Organics	
Client ID: PBS	Batcl	h ID: 71	292	F	RunNo: 92	2341				
Prep Date: 11/3/2022	Analysis E	Date: 11	1/4/2022	\$	SeqNo: 33	318008	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO) Motor Oil Range Organics (MRO) Surr: DNOP	ND ND 10	15 50	10.00		104	21	129			
Sample ID: 2211156-014AMS	SampT	ype: MS	6	Tes	tCode: EF	A Method	8015M/D: Die	sel Range	Organics	
Client ID: S15A 2'	Batch	n ID: 71	298	F	RunNo: 92	2379				
Prep Date: 11/4/2022	Analysis D	Date: 11	1/7/2022	5	SeqNo: 33	20971	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO) Surr: DNOP	49 5.7	15	49.46 4.946	0	98.5 115	36.1 21	154 129			
Sample ID: 2211156-014AMS	SampT	ype: MS	D	Tes	tCode: EP	A Method	8015M/D: Die	sel Range	Organics	
Client ID: S15A 2'	Batch	D: 712	298	F	RunNo: 92	370				
					unino. 92	.515				
Prep Date: 11/4/2022	Analysis D	ate: 11	/8/2022	S	SeqNo: 33		Units: mg/K	g		
Prep Date: <b>11/4/2022</b> Analyte	Analysis D Result	Pate: 11 PQL		s SPK Ref Val			Units: <b>mg/K</b> HighLimit	g %RPD	RPDLimit	Qual
Analyte Diesel Range Organics (DRO)	Result 43		SPK value 49,26		SeqNo: 33 %REC 87.0	20972 LowLimit 36.1	HighLimit 154	%RPD 12.8	33.9	Qual
Analyte	Result	PQL	SPK value	SPK Ref Val	SeqNo: 33 %REC	20972 LowLimit	HighLimit	%RPD		Qual
Analyte Diesel Range Organics (DRO)	Result 43 5.0	PQL	SPK value 49.26 4.926	SPK Ref Val 0	SeqNo: 33 %REC 87.0 101	20972 LowLimit 36.1 21	HighLimit 154	%RPD 12.8 0	33.9 0	Qual
Analyte Diesel Range Organics (DRO) Surr: DNOP	Result 43 5.0 SampT	PQL 15	SPK value 49.26 4.926 <b>S</b>	SPK Ref Val 0 Tes	SeqNo: 33 %REC 87.0 101	20972 LowLimit 36.1 21 A Method 3	HighLimit 154 129	%RPD 12.8 0	33.9 0	Qual
Analyte Diesel Range Organics (DRO) Surr: DNOP Sample ID: LCS-71298	Result 43 5.0 SampT	PQL 15 ype: LC	SPK value 49.26 4.926 S 298	SPK Ref Val 0 Tes F	SeqNo: 33 %REC 87.0 101 tCode: EP	20972 LowLimit 36.1 21 A Method 3 379	HighLimit 154 129	%RPD 12.8 0	33.9 0	Qual
Analyte Diesel Range Organics (DRO) Surr: DNOP Sample ID: LCS-71298 Client ID: LCSS	Result 43 5.0 SampT Batch	PQL 15 ype: LC	SPK value 49.26 4.926 8 98 17/2022	SPK Ref Val 0 Tes F	SeqNo: 33 %REC 87.0 101 tCode: EP	20972 LowLimit 36.1 21 A Method 3 379	HighLimit 154 129 8015M/D: Dies	%RPD 12.8 0	33.9 0	Qual

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 S

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

Analyte detected in the associated Method Blank в Above Quantitation Range/Estimated Value

Ε J Analyte detected below quantitation limits

Sample pH Not In Range

Р RL Reporting Limit Page 21 of 26

**Client:** R & R Environmental Barry Miller **Project:** 

· · · · · · · · · · · · · · · · · · ·										
Sample ID: MB-71298	SampType: MBLK			TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: PBS	Batch ID: 71298			RunNo: 92379						
Prep Date: 11/4/2022	Analysis Date: 11/7/2022			SeqNo: 3320995 Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	15								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	10		10.00		103	21	129			

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

Holding times for preparation or analysis exceeded Not Detected at the Reporting Limit Н

ND

PQL Practical Quanitative Limit S

- % 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 J
- Р

Page 22 of 26

- Sample pH Not In Range
- Reporting Limit RL

R & R Environmental **Client:** 

ct:	Barry Miller
-----	--------------

Project:	Barry Mi	iller									
Sample ID:	mb-71278	Samp	Гуре: МЕ	BLK	Tes	tCode: El	PA Method	8015D: Gaso	line Range	)	
Client ID:	PBS	Batc	h ID: 71	278	RunNo: 92355						
Prep Date:	11/3/2022	Analysis [	Date: <b>1</b> 1	/4/2022	:	SeqNo: 3318918 Units: mg/Kg					
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Ran Surr: BFB	ge Organics (GRO)	ND 870	5.0	1000		87.3	37.7	212			
Sample ID:	lcs-71278	SampT	Type: LC	S	Tes	tCode: EF	PA Method	8015D: Gaso	line Range	)	
Client ID:	LCSS	Batcl	h ID: 71	278	F	RunNo: 92	2355				
Prep Date:	11/3/2022	Analysis D	Date: 11	/4/2022	5	SeqNo: 3	318919	Units: mg/K	(g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang Surr: BFB	ge Organics (GRO)	24 1900	5.0	25.00 1000	0	96.7 187	72.3 37.7	137 212			
Sample ID:	lcs-71295	SampT	ype: LC	S	Tes	tCode: EF	PA Method	8015D: Gaso	ine Range		
Client ID:	LCSS	Batch	D: 712	295	F	RunNo: 92	2401				
Prep Date:	11/4/2022	Analysis D	)ate: 11	/7/2022	5	SeqNo: 33	320729	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang	ge 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	SampT	ype: MB	LK	Tes	tCode: EF	PA Method	8015D: Gaso	line Range		
Client ID:	PBS	Batch	n ID: 712	95	F	RunNo: 92	2401				
Prep Date:	11/4/2022	Analysis D	)ate: 11	/7/2022	S	SeqNo: 33	320730	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang Surr: BFB	e Organics (GRO)	ND 1500	5.0	1000		149	37.7	212			
Sample ID:	2211156-014ams	SampT	ype: MS		Tes	tCode: EP	A Method	8015D: Gasol	ine Range		
Client ID:	S15A 2'	Batch	ID: 712	95	R	unNo: 92	401				
Prep Date:	11/4/2022	Analysis D	ate: 11	7/2022	S	eqNo: 33	20732	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
	e Organics (GRO)	23	4.9	24.49	0	93.2	70	130			0
Surr: BFB		2100		979.4		217	37.7	212			S
Sample ID:	2211156-014amsd	SampT	ype: MS	D	Test	Code: EP	A Method	8015D: Gasol	ine Range		
Client ID:	S15A 2'	Batch	ID: 712	95	R	unNo: 92	401				
Prep Date:	11/4/2022	Analysis D	ate: 11/	7/2022	S	eqNo: 33	20733	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Qualifiers:

S

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

ND Not Detected at the Reporting Limit Practical Quanitative Limit PQL

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

В Analyte detected in the associated Method Blank Ε Above Quantitation Range/Estimated Value

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

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

11-Nov-22

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

Holding times for preparation or analysis exceeded H

#### **Client:** R & R Environmental

**Project:** Barry Miller

Sample ID: 2211156-014amsd	SampT	SampType: MSD			TestCode: EPA Method 8015D: Gasoline Range					
Client ID: S15A 2'	Batch ID: 71295			F	RunNo: 92401					
Prep Date: 11/4/2022	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

S

Value exceeds Maximum Contaminant Level.

- Sample Diluted Due to Matrix D
- Holding times for preparation or analysis exceeded Not Detected at the Reporting Limit н

ND

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
- Ε
- Analyte detected below quantitation limits J
- Р Sample pH Not In Range Reporting Limit
- RL

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**Project:** 

# QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Barry Miller

**Client:** R & R Environmental

1				BLK	TestCode: EPA Method 8021B: Volatiles						
Client ID:	PBS	Bate	ch ID: 71	1278		RunNo: 92355					
Prep Date:	11/3/2022	Analysis	Date: 1	1/4/2022		SeqNo: 3	318970	Units: mg/l	۲g		
Analyte	×	Result	PQL	SPK value	SPK Ref Va	I %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-Bror	nofluorobenzene	0.91		1.000		91.4	70	130			
Sample ID:	LCS-71278	Samp	Туре: LC	cs	Te	estCode: E	PA Method	8021B: Volat	iles		
Client ID:	LCSS	Batc	h ID: 71	278		RunNo: 9	2355				
Prep Date:	11/3/2022	Analysis I	Date: 1	1/4/2022		SeqNo: 3	318971	Units: mg/h	(g		
Analyte		Result	PQL		SPK Ref Val		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-Brom	nofluorobenzene	0.94		1.000		93.7	70	130			
Sample ID:	lcs-71295	Samp	ype: LC	s	Те	stCode: EF	PA Method	8021B: Volat	iles		
Client ID:	LCSS	Batc	n ID: 71	295		RunNo: 92	2401				
Prep Date:	11/4/2022	Analysis D	)ate: 11	1/7/2022		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			
Foluene		1.1	0.050	1.000	0	113	80	120			
Ethylbenzene		1.1	0.050	1.000	0	114	80	120			
(ylenes, Total		3.4	0.10	3.000	0	113	80	120			
Surr: 4-Brom	ofluorobenzene	1.1		1.000		109	70	130			
Sample ID:	mb-71295	SampT	ype: ME	BLK	Tes	stCode: EF	A Method	8021B: Volati	les		
Client ID:	PBS	Batch	ID: 712	295	I	RunNo: 92	401				
Prep Date:	11/4/2022	Analysis D	ate: 11	/7/2022	:	SeqNo: 33	20757	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
enzene		ND	0.025								
oluene		ND	0.050								
thylbenzene		ND	0.050								
ylenes, Total	fuereberrer	ND	0.10	4 000		400	70	400			~
Surr: 4-Bromo	ofluorobenzene	1.7		1.000		169	70	130			S
D Sample D H Holding ti ND Not Detect PQL Practical (	eeds Maximum Contamin iluted Due to Matrix imes for preparation or ana ted at the Reporting Limit Quanitative Limit ery outside of standard limi	ilysis exceeded	lts may be e	stimated.	E Above Qua J Analyte de	antitation Range tected below qu I Not In Range	sociated Method /Æstimated Valu aantitation limits			Page 25 of	f 26

1.1

3.4

1.1

0.049

0.099

0.9852

2.956

0.9852

#### Client: R & R Environmental

Project: Barry Miller

Sample ID: 2211156-015ams	Samp	SampType: MS			TestCode: EPA Method 8021B: Volatiles					
Client ID: S16A 2'	Batc	h ID: 712	295	F	RunNo: 92	2401				
Prep Date: 11/4/2022	Analysis Date: 11/7/2022			5	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: 2211156-015amsd	Samp	Type: MS	D	Tes	TestCode: EPA Method 8021B: Volatiles					
Client ID: S16A 2'	Batc	h ID: 712	95	F	RunNo: 92	401				
Prep Date: 11/4/2022	Analysis [	Date: 11	/7/2022	S	SeqNo: 33	20761	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
	1.1	0.025	0.9852	0	111	68.8	120	0.682	20	
Benzene	1.1	0.020	0.9052	0		00.0	120	0.002	20	

0

0

114

114

108

72.7

75.7

70

129

126

130

1.44

1.40

0

20

20

0

Qualifiers:

Ethylbenzene

Xylenes, Total

Surr: 4-Bromofluorobenzene

- \* 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 standar
  - % 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
- E Above Quantitation Range/Estimated Valu J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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WO#: 2211156

11-Nov-22

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HALL ENVIRONMENTAL ANALYSIS LABORATORY	VIRONMENTAL 4901 Hawkins NE Albuquerque. NM 87109 Sample Log-In					
Client Name: R & R Environmental	Work Order Number:	2211156		RcptNo:	1	
,	11/3/2022 7:30:00 AM 11/3/2022 8:36:35 AM		How & G.			
Chain of Custody						
1. Is Chain of Custody complete?		Yes 🗹	No 🗌	Not Present		
2. How was the sample delivered?		Courier				
Log In 3. Was an attempt made to cool the samples?		Yes 🗹	No 🗌	na 🗆		
4. Were all samples received at a temperature of	>0° C to 6.0°C	Yes 🗹	No 🗌			
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 p	preserved?	Yes 🗹	No 🗆			
8. Was preservative added to bottles?		Yes 🗌	No 🗹	na 🗆		
9. Received at least 1 vial with headspace <1/4" for	or AQ VOA?	Yes 🗌	No 🗌	NA 🔽		
10. Were any sample containers received broken?		Yes 🗌	No 🗹	# of preserved	0	
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)		Yes 🗹	No 🗌	bottles checked for pH:	>12 unless noted)	
12. Are matrices correctly identified on Chain of Cu	stody?	Yes 🗹	No 🗌	Adjusted?		
13. Is it clear what analyses were requested?		Yes 🗹	No 🗌		un ulalas	
14. Were all holding times able to be met? (If no, notify customer for authorization.)		Yes 🗹	No 🗌	Checked by: - J	111322	
Special Handling (if applicable)						
15.Was client notified of all discrepancies with this	order?	Yes 🗌	No 🗆	NA 🗹		
Person Notified:	Date:					
By Whom:	Via:	] eMail 🔲 I	Phone 🗌 Fax	In Person		
Regarding:	An ann an an Anna an An		alginaligangsamayaqtat konastagisiza	europen o <u>nter tratt un</u> openeticano esta dura filipitata.		
Client Instructions:	na yana dan ana ang pang pang pang pang pang pang	nennen bezinter zu entri and		nan mangana gangan di Pikanganan kana kana kana kana kana kana k		
16. Additional remarks:						
17. <u>Cooler Information</u> <u>Cooler No</u> Temp °C Condition Seal 1 1.5 Good Yes	Intact Seal No Se	eal Date	Signed By			

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rage 89 of 12	ENVTRONMENTAL	ANALYSIS LABORATORY		Alburation NM 87400	01 101 100 100	rax 303-343-410/ ysis Request	(t)	uəsq	AV	Uəse				270 (Si Dial Co														notated on the analytical report.
	HALLENV	ANALYSIS	mutur hallanvirontal and	4901 Hawkins NF - Albudua		Anal	(0	SW S'8's		280 (1. 728	8/s 8/s 001	IO <sup>3</sup> tals	etho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho Metho M	08:H9 081 Pe M) 80 AHs b AHs b CRA 8 3 CRA 8 (V) 005(V)								>			Remarks:			bility. Any sub-contracted data will be clearly
Turn-Around Theore		A Standard Chush 5 DAy	Project Name:	Date hard	Project #	3000,000		U Dunes Christians		r: D. Haran	On Ice: D-Yes D No		Cooler Tempineuding CF): 144 ( 12/54°C)	1	1.15 2 21113 C	Charter 1 1ed con 013	OIN	015	NG	410	\$ IC	1 610 1			Date Time	OGN LUT &I. BUNNANNANN	Received by: Vist Date Time	If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited taboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.
	xecord	and the everyonetal				. 247.10u	- 1	1	Level 4 (Full Validation)	npliance	D Other			Matriv Samula Nama		8	5,154 21	Siler 21	S-17A 2.	SilBA		Sizon zi			Relinquished by:			samples submitted to Hall Environmental may be subco
Kecervea by UCD: 1	Client: 4 . 6	JAF Man		Mailing Appless Chreve	Carls bad	Phone #. 515. 247. []04	email or Fax#:	QA/QC Package:	Standard	ü		EDD (Type)		Date Time	R		50:02	91.10	J : اک	0: 0	569	1 930	-		Date: Time:	There Trimer	When Will	If necessary,

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# HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

November 11, 2022

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

OrderNo.: 2211253

Dear James Carnes:

RE: Berry Miller

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 QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

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

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

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

**Analytical Report** 

Lab Order: 2211253

CLIENT:R & R EnvironmentalProject:Berry Miller				1	Lab C	<b>Order:</b> 2211	253	
Lab ID: 2211253-001		0	Collecti	ion Date	e: 11/	/3/2022 8:00:00 A	AM	
Client Sample ID: SW1 2'				Matrix	s: SO	IL		
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	B	atch II
EPA METHOD 300.0: ANIONS						Ar	alyst	: NAI
Chloride	ND	60		mg/Kg	20	11/9/2022 1:29:53	PM	71379
EPA METHOD 8015M/D: DIESEL RANGE OF	GANICS					Ar	alvst	: DGH
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	11/8/2022 1:04:20		71310
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	11/8/2022 1:04:20		71310
Surr: DNOP	115	21-129		%Rec	1	11/8/2022 1:04:20		71310
	115	21-125		701100				
EPA METHOD 8015D: GASOLINE RANGE							-	: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	11/7/2022 9:33:34		71306
Surr: BFB	86.5	37.7-212		%Rec	1	11/7/2022 9:33:34	РМ	71306
EPA METHOD 8021B: VOLATILES						An	alyst:	: 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	91.2			on Date	: 11/	3/2022 8:05:00 A		71306
Lab ID: 2211253-002	91.2				: 11/	3/2022 8:05:00 A		71306
Lab ID:         2211253-002           Client Sample ID:         SW2 2'	91.2 Result	C		on Date	: 11/ : SO	3/2022 8:05:00 A	M	71306
Lab ID: 2211253-002 Client Sample ID: SW2 2' Analyses		C		on Date Matrix	: 11/ : SO	3/2022 8:05:00 A IL <b>Date Analyzed</b>	M Ba	
Lab ID:2211253-002Client Sample ID:SW2 2'Analyses		C		on Date Matrix	: 11/ : SO	3/2022 8:05:00 A IL <b>Date Analyzed</b>	M Ba alyst:	ntch ID
Lab ID: 2211253-002 Client Sample ID: SW2 2' Analyses EPA METHOD 300.0: ANIONS Chloride	<b>Result</b> ND	C RL		on Date Matrix Units	: 11/ : SO DF	3/2022 8:05:00 A IL <b>Date Analyzed</b> An 11/9/2022 2:31:55	Ba Ba alyst: PM	ntch ID NAI 71379
Lab ID:       2211253-002         Client Sample ID:       SW2 2'         Analyses       EPA METHOD 300.0: ANIONS         Chloride       EPA METHOD 8015M/D: DIESEL RANGE OR	Result ND	C RL 61		on Date Matrix Units mg/Kg	: 11/ : SO DF	3/2022 8:05:00 A IL <b>Date Analyzed</b> An 11/9/2022 2:31:55 An	Ba Ba alyst: PM alyst:	ntch ID NAI 71379 DGH
Lab ID:       2211253-002         Client Sample ID:       SW2 2'         Analyses       EPA METHOD 300.0: ANIONS         Chloride       EPA METHOD 8015M/D: DIESEL RANGE OR         Diesel Range Organics (DRO)       Diesel Comparison (DRO)	Result ND IGANICS ND	C RL 61 14		on Date Matrix Units mg/Kg mg/Kg	: 11/ : SO DF 20 1	3/2022 8:05:00 A IL <b>Date Analyzed</b> An 11/9/2022 2:31:55 An 11/8/2022 1:15:07	Ba alyst: PM alyst: PM	<b>ntch ID</b> 71379 <b>DGH</b> 71310
Lab ID: 2211253-002 Client Sample ID: SW2 2' Analyses EPA METHOD 300.0: ANIONS Chloride EPA METHOD 8015M/D: DIESEL RANGE OR	Result ND GANICS ND ND	C RL 61		on Date Matrix Units mg/Kg mg/Kg	: 11/ : SO DF	3/2022 8:05:00 A IL <b>Date Analyzed</b> An 11/9/2022 2:31:55 An 11/8/2022 1:15:07 11/8/2022 1:15:07	Ba alyst: PM alyst: PM PM	<b>ntch ID</b> 71379 <b>DGH</b> 71310 71310
Lab ID: 2211253-002 Client Sample ID: SW2 2' Analyses EPA METHOD 300.0: ANIONS Chloride EPA METHOD 8015M/D: DIESEL RANGE OR Diesel Range Organics (DRO) Motor Oil Range Organics (MRO) Surr: DNOP	Result ND IGANICS ND	C RL 61 14 47		on Date Matrix Units mg/Kg mg/Kg	: 11/ : SO DF 20 1 1	3/2022 8:05:00 A IL Date Analyzed An 11/9/2022 2:31:55 An 11/8/2022 1:15:07 11/8/2022 1:15:07 11/8/2022 1:15:07	Ba alyst: PM alyst: PM PM PM	<b>ntch ID</b> 71379 <b>DGH</b> 71310 71310 71310
Lab ID:       2211253-002         Client Sample ID:       SW2 2'         Analyses       EPA METHOD 300.0: ANIONS         Chloride       EPA METHOD 8015M/D: DIESEL RANGE OR         Diesel Range Organics (DRO)       Motor Oil Range Organics (MRO)         Surr: DNOP       EPA METHOD 8015D: GASOLINE RANGE	Result ND SGANICS ND ND 108	C RL 61 14 47 21-129		on Date Matrix Units mg/Kg mg/Kg %Rec	: 11/ : SO DF 20 1 1 1	3/2022 8:05:00 A IL Date Analyzed An 11/9/2022 2:31:55 An 11/8/2022 1:15:07 11/8/2022 1:15:07 11/8/2022 1:15:07 An	Ba alyst: PM alyst: PM PM PM alyst:	ntch ID 71379 DGH 71310 71310 71310 NSB
Lab ID: 2211253-002 Client Sample ID: SW2 2' Analyses EPA METHOD 300.0: ANIONS Chloride EPA METHOD 8015M/D: DIESEL RANGE OR Diesel Range Organics (DRO) Motor Oil Range Organics (MRO) Surr: DNOP EPA METHOD 8015D: GASOLINE RANGE Gasoline Range Organics (GRO)	Result ND GANICS ND ND 108 ND	C RL 61 14 47 21-129 4.9		on Date Matrix Units mg/Kg mg/Kg %Rec mg/Kg	: 11/ : SO DF 20 1 1 1 1	3/2022 8:05:00 A IL Date Analyzed An 11/9/2022 2:31:55 An 11/8/2022 1:15:07 11/8/2022 1:15:07 11/8/2022 1:15:07 11/8/2022 1:15:07 An: 11/7/2022 9:56:50	M Ba alyst: PM alyst: PM PM PM alyst: PM	<b>ntch ID</b> 71379 <b>DGH</b> 71310 71310 71310 71310 <b>NSB</b> 71306
Lab ID: 2211253-002 Client Sample ID: SW2 2' Analyses EPA METHOD 300.0: ANIONS Chloride EPA METHOD 8015M/D: DIESEL RANGE OR Diesel Range Organics (DRO) Motor Oil Range Organics (MRO) Surr: DNOP EPA METHOD 8015D: GASOLINE RANGE Gasoline Range Organics (GRO) Surr: BFB	Result ND SGANICS ND ND 108	C RL 61 14 47 21-129		on Date Matrix Units mg/Kg mg/Kg %Rec	: 11/ : SO DF 20 1 1 1	3/2022 8:05:00 A IL Date Analyzed An 11/9/2022 2:31:55 An 11/8/2022 1:15:07 11/8/2022 1:15:07 11/8/2022 1:15:07 An 11/7/2022 9:56:50 11/7/2022 9:56:50	Ba alyst: PM alyst: PM PM PM alyst: PM PM	<b>NAI</b> 71379 <b>DGH</b> 71310 71310 71310 <b>NSB</b> 71306 71306
Lab ID:       2211253-002         Client Sample ID:       SW2 2'         Analyses         EPA METHOD 300.0: ANIONS         Chloride         EPA METHOD 8015M/D: DIESEL RANGE OR         Diesel Range Organics (DRO)         Motor Oil Range Organics (MRO)         Surr: DNOP         EPA METHOD 8015D: GASOLINE RANGE         Gasoline Range Organics (GRO)         Surr: BFB         EPA METHOD 8021B: VOLATILES	Result ND GANICS ND ND 108 ND 87.2	C RL 61 14 47 21-129 4.9 37.7-212		on Date Matrix Units mg/Kg mg/Kg %Rec mg/Kg %Rec	: 11/ : SO DF 20 1 1 1 1 1	3/2022 8:05:00 A IL Date Analyzed An 11/9/2022 2:31:55 An 11/8/2022 1:15:07 11/8/2022 1:15:07 11/8/2022 1:15:07 11/8/2022 1:15:07 An: 11/7/2022 9:56:50 11/7/2022 9:56:50 An:	M Ba alyst: PM PM PM PM alyst: PM PM PM	ntch ID 71379 DGH 71310 71310 71310 NSB 71306 71306 NSB
Lab ID:       2211253-002         Client Sample ID:       SW2 2'         Analyses       EPA METHOD 300.0: ANIONS         Chloride       EPA METHOD 8015M/D: DIESEL RANGE OR         Diesel Range Organics (DRO)       Motor Oil Range Organics (MRO)         Surr: DNOP       EPA METHOD 8015D: GASOLINE RANGE         Gasoline Range Organics (GRO)       Surr: BFB         EPA METHOD 8021B: VOLATILES         Benzene	Result ND GANICS ND ND 108 ND 87.2 ND	C RL 61 14 47 21-129 4.9 37.7-212 0.024		on Date Matrix Units mg/Kg mg/Kg %Rec mg/Kg %Rec mg/Kg	: 11/ : SO DF 20 1 1 1 1 1	3/2022 8:05:00 A IL Date Analyzed An 11/9/2022 2:31:55 An 11/8/2022 1:15:07 11/8/2022 1:15:07 11/8/2022 1:15:07 11/8/2022 1:15:07 An 11/7/2022 9:56:50 An 11/7/2022 9:56:50	M Ba alyst: PM PM PM PM alyst: PM PM PM PM PM PM	<b>ntch ID</b> 71379 <b>DGH</b> 71310 71310 71310 71306 71306 71306 <b>NSB</b> 71306
Lab ID:       2211253-002         Client Sample ID:       SW2 2'         Analyses       Analyses         EPA METHOD 300.0: ANIONS Chloride       Chloride         EPA METHOD 8015M/D: DIESEL RANGE OR Diesel Range Organics (DRO) Motor Oil Range Organics (MRO) Surr: DNOP       DIESEL RANGE OR Diesel Range Organics (MRO) Surr: BNOP         EPA METHOD 8015D: GASOLINE RANGE Gasoline Range Organics (GRO) Surr: BFB       EPA METHOD 8021B: VOLATILES         Benzene Toluene       Benzene	Result ND GANICS ND 108 ND 87.2 ND 87.2 ND ND	C RL 61 14 47 21-129 4.9 37.7-212 0.024 0.049		on Date Matrix Units mg/Kg mg/Kg %Rec mg/Kg %Rec mg/Kg mg/Kg mg/Kg	: 11/ : SO <b>DF</b> 20 1 1 1 1 1 1 1	3/2022 8:05:00 A IL Date Analyzed An 11/9/2022 2:31:55 An 11/8/2022 1:15:07 11/8/2022 1:15:07 11/8/2022 1:15:07 11/8/2022 1:15:07 An: 11/7/2022 9:56:50 An: 11/7/2022 9:56:50 11/7/2022 9:56:50	M Ba alyst: PM PM PM PM alyst: PM PM PM PM PM PM PM	<b>ntch ID</b> 71379 <b>DGH</b> 71310 71310 71310 <b>NSB</b> 71306 71306 71306 71306
Lab ID: 2211253-002 Client Sample ID: SW2 2' Analyses EPA METHOD 300.0: ANIONS Chloride EPA METHOD 8015M/D: DIESEL RANGE OR Diesel Range Organics (DRO) Motor Oil Range Organics (MRO) Surr: DNOP EPA METHOD 8015D: GASOLINE RANGE Gasoline Range Organics (GRO) Surr: BFB EPA METHOD 8021B: VOLATILES Benzene	Result ND GANICS ND ND 108 ND 87.2 ND	C RL 61 14 47 21-129 4.9 37.7-212 0.024		on Date Matrix Units mg/Kg mg/Kg %Rec mg/Kg %Rec mg/Kg	: 11/ : SO DF 20 1 1 1 1 1	3/2022 8:05:00 A IL Date Analyzed An 11/9/2022 2:31:55 An 11/8/2022 1:15:07 11/8/2022 1:15:07 11/8/2022 1:15:07 11/8/2022 1:15:07 An 11/7/2022 9:56:50 An 11/7/2022 9:56:50	M Ba alyst: PM alyst: PM PM alyst: PM PM alyst: PM PM PM PM PM	<b>ntch ID</b> 71379 <b>DGH</b> 71310 71310 71310 71306 71306 71306 <b>NSB</b> 71306

Practical Quanitative Limit

Not Detected at the Reporting Limit

Holding times for preparation or analysis exceeded

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

Analyte detected in the associated Method Blank В

Ε Above Quantitation Range/Estimated Value

Analyte detected below quantitation limits J Sample pH Not In Range

Р Reporting Limit RL

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

Qualifiers:

Н

ND

PQL

S

Benzene

Toluene

Ethylbenzene

Xylenes, Total

Surr: 4-Bromofluorobenzene

Hall Envir	Date Reported: 11/	11/202	22					
CLIENT: Project:	R & R Environmental Berry Miller			]	Lab C	<b>Order:</b> 2211	.253	
Lab ID:	2211253-003		C	collection Date	e: 11/	/3/2022 8:10:00 /	AM	
<b>Client Sample</b>	ID: SW3 2'			Matri	k: SC	DIL		
Analyses		Result	RL	Qual Units	DF	Date Analyzed	Ba	tch ID
EPA METHOD	D 300.0: ANIONS					Ar	alyst:	NAI
Chloride		ND	60	mg/Kg	20	11/9/2022 3:09:07	PM	71379
EPA METHOD	0 8015M/D: DIESEL RANGE O	RGANICS				Ar	alyst:	DGH
Diesel Range (	Organics (DRO)	ND	14	mg/Kg	1	11/8/2022 1:36:35	PM	71310
Motor Oil Rang	ge Organics (MRO)	ND	48	mg/Kg	1	11/8/2022 1:36:35	PM	71310
Surr: DNOP	,	109	21-129	%Rec	1	11/8/2022 1:36:35	PM	71310
EPA METHOD	0 8015D: GASOLINE RANGE					Ar	alyst:	NSB
Gasoline Rang	e Organics (GRO)	ND	4.9	mg/Kg	1	11/7/2022 10:20:2	6 PM	71306
Surr: BFB		87.3	37.7-212	%Rec	1	11/7/2022 10:20:2	6 PM	71306
EPA METHOD	0 8021B: VOLATILES					Ar	alyst:	NSB

ND

ND

ND

ND

93.1

0.024

0.049

0.049

0.098

70-130

mg/Kg

mg/Kg

mg/Kg

mg/Kg

%Rec

1

1

1

1

1

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
- 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.
- В Analyte detected in the associated Method Blank
- Ε Above Quantitation Range/Estimated Value
- Analyte detected below quantitation limits J
- Р Sample pH Not In Range
- Reporting Limit RL

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

11/7/2022 10:20:26 PM 71306

71306

71306

71306

71306

11/7/2022 10:20:26 PM

11/7/2022 10:20:26 PM

11/7/2022 10:20:26 PM

11/7/2022 10:20:26 PM

**Analytical Report** 

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	aboratory,	Inc.			I	Date Reported: 11/1	1/2022
CLIENT:R & R EnvironmentalProject:Berry Miller				I	Lab C	<b>Drder:</b> 22112	253
Lab ID: 2211253-004		C	Collecti	on Date	: 11	/3/2022 8:15:00 A	M
Client Sample ID: SW4 2'				Matrix	s: SC	DIL	
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch I
EPA METHOD 300.0: ANIONS						Ana	alyst: JM1
Chloride	ND	60		mg/Kg	20	11/9/2022 1:42:27 I	
EPA METHOD 8015M/D: DIESEL RANGE O	RGANICS					Ana	alyst: DGI
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	11/8/2022 1:47:20 F	
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	11/8/2022 1:47:20	
Surr: DNOP	109	21-129		%Rec	1	11/8/2022 1:47:20	PM 7131
EPA METHOD 8015D: GASOLINE RANGE						Ana	alyst: NSE
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	11/7/2022 10:44:01	
Surr: BFB	86.3	37.7-212		%Rec	1	11/7/2022 10:44:01	
EPA METHOD 8021B: VOLATILES						Ana	alyst: NSB
Benzene	ND	0.024		mg/Kg	1	11/7/2022 10:44:01	
Toluene	ND	0.049		mg/Kg	1	11/7/2022 10:44:01	
Ethylbenzene	ND	0.049		mg/Kg	1	11/7/2022 10:44:01	PM 7130
Xylenes, Total	ND	0.097		mg/Kg	1	11/7/2022 10:44:01	PM 7130
Surr: 4-Bromofluorobenzene	91.1	70-130		%Rec	1	11/7/2022 10:44:01	PM 7130
Lab ID: 2211253-005		С	ollectio	on Date	: 11/	/3/2022 8:20:00 AI	M
Client Sample ID: SW5 2'				Matrix	: SO	ΠL	
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch I
EPA METHOD 300.0: ANIONS						Ana	lyst: JMT
Chloride	64	60		mg/Kg	20	11/9/2022 2:44:10 F	PM 7138
EPA METHOD 8015M/D: DIESEL RANGE O	RGANICS					Ana	lyst: DGH
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	11/8/2022 1:58:05 F	PM 7131
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	11/8/2022 1:58:05 F	M 7131
Surr: DNOP	112	21-129		%Rec	1	11/8/2022 1:58:05 P	PM 7131
EPA METHOD 8015D: GASOLINE RANGE						Ana	lyst: NSB
	ND	4.7		mg/Kg	1	11/7/2022 11:07:28	PM 7130
Gasoline Range Organics (GRO)		37.7-212		%Rec	1	11/7/2022 11:07:28	PM 7130
Gasoline Range Organics (GRO) Surr: BFB	87.5						
	87.5					Ana	lyst: NSB
Surr: BFB	87.5 ND	0.024		mg/Kg	1	Ana 11/7/2022 11:07:28	-
Surr: BFB EPA METHOD 8021B: VOLATILES				mg/Kg mg/Kg	1 1		PM 71306
Surr: BFB EPA METHOD 8021B: VOLATILES Benzene	ND	0.024				11/7/2022 11:07:28	PM 71300 PM 71300 PM 71300
Surr: BFB EPA METHOD 8021B: VOLATILES Benzene Toluene	ND ND	0.024 0.047		mg/Kg	1	11/7/2022 11:07:28 11/7/2022 11:07:28	PM 71300 PM 71300 PM 71300 PM 71300

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Н

ND PQL S

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.

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

Sample pH Not In Range Reporting Limit Р RL

Page 3 of 11

A	Analytical Report
I	ab Order: 2211253

Date Reported: 11/11/2022

CLIENT: Project:	R & R Environmental Berry Miller			L	ab O	<b>Prder:</b> 22112	53				
	~										
Lab ID:	2211253-006		Colle	ection Date	: 11/	3/2022 8:25:00 AM	N				
<b>Client Sample</b>	e ID: SW6 2'		Matrix: SOIL								
Analyses		Result	RL Q	ual Units	DF	Date Analyzed	Batch ID				
EPA METHO	DD 300.0: ANIONS					Ana	lyst: JMT				
Chloride		ND	60	mg/Kg	20	11/9/2022 3:21:12 P	M 71380				
EPA METHO	D 8015M/D: DIESEL RANGE O	RGANICS				Ana	lyst: DGH				
Diesel Range	Organics (DRO)	ND	14	mg/Kg	1	11/8/2022 2:30:14 P	M 71310				
Motor Oil Ran	nge Organics (MRO)	ND	47	mg/Kg	1	11/8/2022 2:30:14 P	M 71310				
Surr: DNO	P	110	21-129	%Rec	1	11/8/2022 2:30:14 P	M 71310				
EPA METHO	D 8015D: GASOLINE RANGE					Ana	lyst: NSB				
Gasoline Ran	ge Organics (GRO)	ND	4.8	mg/Kg	1	11/7/2022 11:54:29	PM 71306				
Surr: BFB	<ul> <li>Descondences and an entry of the second secon</li></ul>	85.3	37.7-212	%Rec	1	11/7/2022 11:54:29	PM 71306				
EPA METHO	D 8021B: VOLATILES					Ana	lyst: <b>NSB</b>				
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, Tota	d	ND	0.097	mg/Kg	1	11/7/2022 11:54:29	PM 71306				

90.6

70-130

Hall Environmental Analysis Laboratory, Inc.

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

Surr: 4-Bromofluorobenzene

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

%Rec

1

11/7/2022 11:54:29 PM 71306

- Р Sample pH Not In Range RL Reporting Limit
- Page 4 of 11

**Analytical Report** 

Lab Order: 2211253

CLIENT:R & R EnvironmentalProject:Berry Miller				I	Lab C	<b>Prder:</b> 2211	253	
Lab ID: 2211253-007		C	Collect	ion Date	: 11/	/3/2022 8:30:00 A	М	
Client Sample ID: BG1				Matrix	s: SO	IL		
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Ba	tch II
EPA METHOD 300.0: ANIONS						An	alyst	NAI
Chloride	ND	61		mg/Kg	20	11/9/2022 6:20:46	PM	71398
EPA METHOD 8015M/D: DIESEL RANGE OF	RGANICS					An	alyst	DGH
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	11/8/2022 2:40:59		71310
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	11/8/2022 2:40:59		71310
Surr: DNOP	97.1	21-129		%Rec	1	11/8/2022 2:40:59	PM	71310
EPA METHOD 8015D: GASOLINE RANGE						An	alvst	NSB
		4.7		malka	1	11/8/2022 12:18:02		71306
Gasoline Range Organics (GRO) Surr: BFB	ND 87.9	4.7 37.7-212		mg/Kg %Rec	1	11/8/2022 12:18:02		71306
	07.5	51.1-212		701100	,			
EPA METHOD 8021B: VOLATILES	1745 1744 10	1000 - 1000 1000 100						NSB
Benzene	ND	0.024		mg/Kg	1	11/8/2022 12:18:02		71306
	ND	0.047		mg/Kg	1	11/8/2022 12:18:02		71306
Ethylbenzene Yudanaa Tatal	ND ND	0.047 0.094		mg/Kg mg/Kg	1 1	11/8/2022 12:18:02 11/8/2022 12:18:02		71306 71306
Xylenes, Total Surr: 4-Bromofluorobenzene	93.1	70-130		%Rec	1	11/8/2022 12:18:02		71306
Lab ID: 2211253-008 Client Sample ID: BG2		C	ollecti	on Date Matrix		3/2022 8:35:00 A II.	М	
Analyses	Desself		Qual			Date Analyzed	Ra	tch ID
r mary 505	Result	RL	Quai				Du	
	Result	RL	Quai			Ana		NAI
EPA METHOD 300.0: ANIONS			Quai		20		alyst:	
EPA METHOD 300.0: ANIONS Chloride	ND	60 RL	Quai	mg/Kg	20	11/9/2022 6:33:10	alyst: PM	71398
EPA METHOD 300.0: ANIONS Chloride EPA METHOD 8015M/D: DIESEL RANGE OR	ND GANICS	60	Quar	mg/Kg		11/9/2022 6:33:10 Ana	alyst: PM alyst:	71398 <b>DGH</b>
EPA METHOD 300.0: ANIONS Chloride EPA METHOD 8015M/D: DIESEL RANGE OR Diesel Range Organics (DRO)	ND GANICS ND	60 15	Quar	mg/Kg mg/Kg	1	11/9/2022 6:33:10 Ana 11/8/2022 2:51:44 I	alyst: PM alyst: PM	71398 <b>DGH</b> 71310
EPA METHOD 300.0: ANIONS Chloride EPA METHOD 8015M/D: DIESEL RANGE OR Diesel Range Organics (DRO) Motor Oil Range Organics (MRO)	ND GANICS ND ND	60 15 49	Quai	mg/Kg mg/Kg mg/Kg	1 1	11/9/2022 6:33:10   Ana 11/8/2022 2:51:44   11/8/2022 2:51:44	alyst: PM alyst: PM PM	71398 <b>DGH</b> 71310 71310
EPA METHOD 300.0: ANIONS Chloride EPA METHOD 8015M/D: DIESEL RANGE OR Diesel Range Organics (DRO) Motor Oil Range Organics (MRO) Surr: DNOP	ND GANICS ND	60 15	Quai	mg/Kg mg/Kg	1	11/9/2022 6:33:10   An: 11/8/2022 2:51:44   11/8/2022 2:51:44   11/8/2022 2:51:44	alyst: PM alyst: PM PM PM	71398 <b>DGH</b> 71310 71310 71310
EPA METHOD 300.0: ANIONS Chloride EPA METHOD 8015M/D: DIESEL RANGE OR Diesel Range Organics (DRO) Motor Oil Range Organics (MRO) Surr: DNOP EPA METHOD 8015D: GASOLINE RANGE	ND GANICS ND ND 89.7	60 15 49 21-129	Quai	mg/Kg mg/Kg mg/Kg %Rec	1 1 1	11/9/2022 6:33:10   Ana 11/8/2022 2:51:44   11/8/2022 2:51:44   11/8/2022 2:51:44   11/8/2022 2:51:44   Ana	alyst: PM alyst: PM PM PM alyst:	71398 DGH 71310 71310 71310 71310 NSB
EPA METHOD 300.0: ANIONS Chloride EPA METHOD 8015M/D: DIESEL RANGE OR Diesel Range Organics (DRO) Motor Oil Range Organics (MRO) Surr: DNOP EPA METHOD 8015D: GASOLINE RANGE Gasoline Range Organics (GRO)	ND GANICS ND ND 89.7 ND	60 15 49 21-129 4.9	Quai	mg/Kg mg/Kg mg/Kg %Rec mg/Kg	1 1 1	11/9/2022 6:33:10   Ana 11/8/2022 2:51:44   11/8/2022 2:51:44   11/8/2022 2:51:44   Ana 11/8/2022 12:41:28	alyst: PM alyst: PM PM PM alyst: AM	71398 DGH 71310 71310 71310 NSB 71306
EPA METHOD 300.0: ANIONS Chloride EPA METHOD 8015M/D: DIESEL RANGE OR Diesel Range Organics (DRO) Motor Oil Range Organics (MRO) Surr: DNOP EPA METHOD 8015D: GASOLINE RANGE	ND GANICS ND ND 89.7	60 15 49 21-129	Quai	mg/Kg mg/Kg mg/Kg %Rec	1 1 1	11/9/2022 6:33:10   Ana 11/8/2022 2:51:44   11/8/2022 2:51:44   11/8/2022 2:51:44   Ana 11/8/2022 12:41:28 11/8/2022 12:41:28	alyst: PM PM PM PM alyst: AM AM	71398 <b>DGH</b> 71310 71310 71310 <b>NSB</b> 71306 71306
EPA METHOD 300.0: ANIONS Chloride EPA METHOD 8015M/D: DIESEL RANGE OR Diesel Range Organics (DRO) Motor Oil Range Organics (MRO) Surr: DNOP EPA METHOD 8015D: GASOLINE RANGE Gasoline Range Organics (GRO) Surr: BFB	ND GANICS ND ND 89.7 ND	60 15 49 21-129 4.9	Quai	mg/Kg mg/Kg mg/Kg %Rec mg/Kg	1 1 1	11/9/2022 6:33:10   Ana 11/8/2022 2:51:44   11/8/2022 2:51:44   11/8/2022 2:51:44   Ana 11/8/2022 12:41:28 11/8/2022 12:41:28	alyst: PM PM PM PM alyst: AM AM	71398 DGH 71310 71310 71310 NSB 71306
EPA METHOD 300.0: ANIONS Chloride EPA METHOD 8015M/D: DIESEL RANGE OR Diesel Range Organics (DRO) Motor Oil Range Organics (MRO) Surr: DNOP EPA METHOD 8015D: GASOLINE RANGE Gasoline Range Organics (GRO) Surr: BFB	ND GANICS ND ND 89.7 ND	60 15 49 21-129 4.9	Quai	mg/Kg mg/Kg mg/Kg %Rec mg/Kg	1 1 1	11/9/2022 6:33:10   Ana 11/8/2022 2:51:44   11/8/2022 2:51:44   11/8/2022 2:51:44   Ana 11/8/2022 12:41:28 11/8/2022 12:41:28	alyst: PM PM PM PM alyst: AM AM alyst:	71398 DGH 71310 71310 71310 NSB 71306 NSB 71306
EPA METHOD 300.0: ANIONS Chloride EPA METHOD 8015M/D: DIESEL RANGE OR Diesel Range Organics (DRO) Motor Oil Range Organics (MRO) Surr: DNOP EPA METHOD 8015D: GASOLINE RANGE Gasoline Range Organics (GRO) Surr: BFB EPA METHOD 8021B: VOLATILES	ND GANICS ND ND 89.7 ND 82.9	60 15 49 21-129 4.9 37.7-212		mg/Kg mg/Kg %Rec mg/Kg %Rec	1 1 1 1	11/9/2022 6:33:10   Ana 11/8/2022 2:51:44   11/8/2022 2:51:44   11/8/2022 2:51:44   Ana 11/8/2022 12:41:28 11/8/2022 12:41:28 11/8/2022 12:41:28 11/8/2022 12:41:28	alyst: PM PM PM PM alyst: AM AM alyst: AM	71398 DGH 71310 71310 71310 NSB 71306 71306 71306 71306 71306
EPA METHOD 300.0: ANIONS Chloride EPA METHOD 8015M/D: DIESEL RANGE OR Diesel Range Organics (DRO) Motor Oil Range Organics (MRO) Surr: DNOP EPA METHOD 8015D: GASOLINE RANGE Gasoline Range Organics (GRO) Surr: BFB EPA METHOD 8021B: VOLATILES Benzene	ND GANICS ND 89.7 ND 82.9 ND	60 15 49 21-129 4.9 37.7-212 0.025 0.049 0.049		mg/Kg mg/Kg mg/Kg %Rec mg/Kg mg/Kg mg/Kg	1 1 1 1 1	11/9/2022 6:33:10   Ana 11/8/2022 2:51:44   11/8/2022 2:51:44   11/8/2022 2:51:44   Ana 11/8/2022 12:41:28 11/8/2022 12:41:28 11/8/2022 12:41:28 11/8/2022 12:41:28 11/8/2022 12:41:28	alyst: PM PM PM alyst: AM AM AM AM AM	71398 DGH 71310 71310 NSB 71306 71306 71306 71306 71306 71306 71306
EPA METHOD 300.0: ANIONS Chloride EPA METHOD 8015M/D: DIESEL RANGE OR Diesel Range Organics (DRO) Motor Oil Range Organics (MRO) Surr: DNOP EPA METHOD 8015D: GASOLINE RANGE Gasoline Range Organics (GRO) Surr: BFB EPA METHOD 8021B: VOLATILES Benzene Toluene	ND GANICS ND 89.7 ND 82.9 ND ND	60 15 49 21-129 4.9 37.7-212 0.025 0.049	Qual	mg/Kg mg/Kg mg/Kg %Rec mg/Kg mg/Kg mg/Kg	1 1 1 1 1 1	11/9/2022 6:33:10   Ana 11/8/2022 2:51:44   11/8/2022 2:51:44   11/8/2022 2:51:44   Ana 11/8/2022 12:41:28 11/8/2022 12:41:28 11/8/2022 12:41:28 11/8/2022 12:41:28	alyst: PM PM PM alyst: AM AM AM AM AM AM	71398 DGH 71310 71310 71310 NSB 71306 71306 71306 71306 71306

**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

S % 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 Е J

Sample pH Not In Range

Р Reporting Limit RL

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#### **Analytical Report**

Lab Order: 2211253

Date Reported: 11/11/2022

	R & R Environmental Berry Miller		10	I	ab C	<b>)rder:</b> 22112	253				
Lab ID:	2211253-009		C	ollection Date	: 11	/3/2022 8:40:00 A	М				
<b>Client Sample ID:</b>	BG3		Matrix: SOIL								
Analyses		Result	RL	Qual Units	DF	Date Analyzed	Bat	ch ID			
EPA METHOD 300	0.0: ANIONS					Ana	alyst:	NAI			
Chloride		ND	61	mg/Kg	20	11/9/2022 6:45:35	PM	71398			
EPA METHOD 801	5M/D: DIESEL RANGE	ORGANICS				Ana	alyst:	DGH			
Diesel Range Organ	ics (DRO)	ND	15	mg/Kg	1	11/8/2022 3:02:28	PM	71310			
Motor Oil Range Org	anics (MRO)	ND	49	mg/Kg	1	11/8/2022 3:02:28	PM	71310			
Surr: DNOP		87.8	21-129	%Rec	1	11/8/2022 3:02:28 I	PM	71310			
EPA METHOD 801	5D: GASOLINE RANGE					Ana	alyst:	NSB			
Gasoline Range Org	anics (GRO)	ND	4.8	mg/Kg	1	11/8/2022 1:05:01	٩M	71306			
Surr: BFB		85.9	37.7-212	%Rec	1	11/8/2022 1:05:01 /	٩M	71306			
EPA METHOD 802	1B: VOLATILES					Ana	alyst: I	NSB			
Benzene		ND	0.024	mg/Kg	1	11/8/2022 1:05:01 /	٩M	71306			
Toluene		ND	0.048	mg/Kg	1	11/8/2022 1:05:01 /	٩M	71306			
Ethylbenzene		ND	0.048	mg/Kg	1	11/8/2022 1:05:01 /	٩M	71306			

ND

90.2

0.096

70-130

mg/Kg

%Rec

1

1

11/8/2022 1:05:01 AM

11/8/2022 1:05:01 AM

71306

71306

Hall Environmental Analysis Laboratory, Inc.

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

Xylenes, Total

Surr: 4-Bromofluorobenzene

- 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

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Blani

	<u></u>	<u> </u>									
CLIENT: Project:	R & R Environmental Berry Miller			I	.ab C	<b>Order:</b> 22112:	53				
Lab ID:	2211253-010		C	ollection Date	: 11/	/3/2022 8:45:00 AN	Л				
<b>Client Sample</b>	e ID: BG4			Matrix: SOIL							
Analyses		Result	RL	Qual Units	DF	Date Analyzed	Batch ID				
EPA METHO	D 300.0: ANIONS					Anal	lyst: NAI				
Chloride		ND	60	mg/Kg	20	11/9/2022 6:57:59 P	M 71398				
EPA METHO	D 8015M/D: DIESEL RANGE	ORGANICS				Anal	yst: DGH				
Diesel Range	Organics (DRO)	ND	14	mg/Kg	1	11/8/2022 3:13:15 P	M 71310				
Motor Oil Ran	nge Organics (MRO)	ND	48	mg/Kg	1	11/8/2022 3:13:15 P	M 71310				
Surr: DNO	P	93.8	21-129	%Rec	1	11/8/2022 3:13:15 P	M 71310				
EPA METHO	D 8015D: GASOLINE RANGE					Anal	yst: NSB				
Gasoline Ran	ge Organics (GRO)	ND	4.9	mg/Kg	1	11/8/2022 1:28:23 A	M 71306				
Surr: BFB		87.8	37.7-212	%Rec	1	11/8/2022 1:28:23 A	M 71306				
EPA METHO	D 8021B: VOLATILES					Anal	yst: NSB				
Benzene		ND	0.025	mg/Kg	1	11/8/2022 1:28:23 A	M 71306				
Toluene		ND	0.049	mg/Kg	1	11/8/2022 1:28:23 A	M 71306				
Ethylbenzene		ND	0.049	mg/Kg	1	11/8/2022 1:28:23 A	M 71306				
Xylenes, Tota	I	ND	0.098	mg/Kg	1	11/8/2022 1:28:23 A	M 71306				

93.9

70-130

%Rec

1

11/8/2022 1:28:23 AM

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

Surr: 4-Bromofluorobenzene

- ٠ 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. S
- Analyte detected in the associated Method Blank В
- Е Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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71306

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

Lab Order: 2211253

Date Reported: 11/11/2022

Lab ID:	2211253-010		C	<b>Collection Date</b>	e: 11	/3/2022 8:45:00 A
Client Sample ID:	BG4			Matrix	s: SC	IL
Analyses		Result	RL	Qual Units	DF	Date Analyzed
EPA METHOD 300	.0: ANIONS					An
Chloride		ND	60	mg/Kg	20	11/9/2022 6:57:59
EPA METHOD 801	5M/D: DIESEL RANGE	ORGANICS				An
Diesel Range Organ	ics (DRO)	ND	14	mg/Kg	1	11/8/2022 3:13:15
Motor Oil Range Org	anics (MRO)	ND	48	mg/Kg	1	11/8/2022 3:13:15
Surr: DNOP		93.8	21-129	%Rec	1	11/8/2022 3:13:15
EPA METHOD 801	5D: GASOLINE RANGE					An
Gasoline Range Org	anics (GRO)	ND	4.9	mg/Kg	1	11/8/2022 1:28:23
Surr: BFB		87.8	37.7-212	%Rec	1	11/8/2022 1:28:23
EPA METHOD 802	1B: VOLATILES					An
Benzene		ND	0.025	mg/Kg	1	11/8/2022 1:28:23
Toluene		ND	0.049	mg/Kg	1	11/8/2022 1:28:23
Ethylbenzene		ND	0.049	mg/Kg	1	11/8/2022 1:28:23

Hall Environmental Analysis Laboratory, Inc.

-			WO#:	221125
Hall E	nvironm	ental Analysis Labora	atory, Inc.	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:		Analysis Date: 11/9/2022	SeqNo: 3323758 Units: mg/Kg	
Analyte	T II OF LOLL		lue 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 val	lue 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 val	lue 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			ue SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit	Qual
Chloride		14 1.5 15.0	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 val	ue 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			ue SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit	Qual
Chloride		14 1.5 15.0	00 0 94.8 90 110	

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QC SUMMARY REPORT

Qualifiers:

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

\* Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix

н Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of 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

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Sample pH Not In Range RL Reporting Limit

Р

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

WO#: 2211253 11-Nov-22

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: 2211253

11-Nov-22

Client: Project:	R & R Er Berry Mil		tal								
	LCS-71310		ype: LC	S	TestCode: EPA Method 8015M/D: Diesel Range Organics						****
Client ID:	LCSS	Batch	n ID: 71	310	1	RunNo: 92379					
Prep Date:	11/4/2022	Analysis D	)ate: 1'	1/8/2022		SeqNo: 3	320994	Units: mg/h	٢g		
Analyte		Result	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			
Sample ID:	MB-71310	SampT	ype: ME	BLK	Tes	stCode: El	PA Method	8015M/D: Die	esel Range	Organics	
Client ID:	PBS	Batch	n ID: 71	310	Ē	RunNo: 92	2379				
Prep Date:	11/4/2022	Analysis D	ate: 11	/8/2022	:	SeqNo: 3	320996	Units: mg/k	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range C	Organics (DRO)	ND	15								
Motor Oil Rang	e Organics (MRO)	ND	50								
Surr: DNOP		8.7		10.00		87.0	21	129			
Sample ID:	2211253-005AMS	SampT	ype: MS	5	Tes	tCode: EF	PA Method	8015M/D: Die	esel Range	Organics	
Client ID:	SW5 2'	Batch	ID: 71:	310	F	RunNo: 92	2415				
Prep Date:	11/4/2022	Analysis D	ate: 11	/8/2022	5	SeqNo: 3	321380	Units: mg/K	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range C	Organics (DRO)	49	14	48.17	0	101	36.1	154			
Surr: DNOP		6.1		4.817		128	21	129			
Sample ID:	2211253-005AMSD	SampT	ype: MS	D	Tes	tCode: EF	PA Method	8015M/D: Die	sel Range	Organics	
Client ID:	SW5 2'	Batch	ID: 713	810	F	RunNo: 92	2415				
Prep Date:	11/4/2022	Analysis D	ate: 11	/8/2022	S	SeqNo: 33	321381	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range O	rganics (DRO)	45	14	47.26	0	96.1	36.1	154	7.17	33.9	
Surr: DNOP		5.8		4.726		123	21	129	0	0	

Value exceeds Maximum Contaminant Level. Sample Diluted Due to Matrix Holding times for preparation or analysis exceeded Not Detected at the Reporting Limit \* D

H

ND

PQL Practical Quanitative Limit S

% 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 Sample pH Not In Range Reporting Limit J
- Р
- RL

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

**Client:** R & R Environmental

**Project:** Berry Miller

Sample ID: mb-71306	Samp	Гуре: МЕ	BLK	TestCode: EPA Method 8015D: Gasoline Range						
Client ID: PBS	Batc	Batch ID: 71306			RunNo: 92384					
Prep Date: 11/4/2022	Analysis [	Analysis Date: 11/7/2022		5	SeqNo: 3319942			g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	860		1000		05.0	277	212			
Sull. DI B	000		1000		85.9	37.7	212			
Sample ID: Ics-71306		ype: LC		Tes			8015D: Gasol	line Range		
	SampT	ype: LC	s			PA Method		line Range		
Sample ID: Ics-71306	SampT	n ID: 713	S 306	F	stCode: EF	PA Method 2384		-		
Sample ID: Ics-71306 Client ID: LCSS	SampT Batch	n ID: 713	S 306 /7/2022	F	stCode: EF RunNo: 92	PA Method 2384	8015D: Gasol	-	RPDLimit	Qual
Sample ID: Ics-71306 Client ID: LCSS Prep Date: 11/4/2022	SampT Batch Analysis D	n ID: 713 Date: 11	S 306 /7/2022	F	stCode: EF RunNo: 92 SeqNo: 33	PA Method 2384 319943	8015D: Gasol Units: mg/K	íg		Qual

S

Value exceeds Maximum Contaminant Level.

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

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WO#: 2211253

11-Nov-22

#### R & R Environmental **Client:**

<b>Project:</b>
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Berry Miller

Sample ID: mb-71306	Samp	Type: ME	BLK	TestCode: EPA Method 8021B: Volatiles						
Client ID: PBS	Batc	h ID: 71:	306	RunNo: 92384						
Prep Date: 11/4/2022	Analysis I	Date: 11	/7/2022	SeqNo: 3319981			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	0.000								
Surr: 4-Bromofluorobenzene		0.10	1 000		90.4	70	130			
Surr. 4-Bromonuorobenzene	0.90		1.000		90.4	10	130			
Sample ID: LCS-71306	Samp	Гуре: LC:	S	Tes	tCode: EF	A Method	8021B: Volati	les		
Sample ID: LCS-71306 Client ID: LCSS		Гуре: LC: h ID: 713			tCode: EF		8021B: Volati	les		
		h ID: 713	106	F		2384	8021B: Volati Units: mg/K			
Client ID: LCSS	Batc	h ID: 713	806 /7/2022	F	RunNo: 92	2384			RPDLimit	Qual
Client ID: LCSS Prep Date: 11/4/2022	Batc Analysis [	h ID: 713 Date: 11	806 /7/2022	F	RunNo: 92 SeqNo: 33	2384 219982	Units: mg/K	g	RPDLimit	Qual
Client ID: LCSS Prep Date: 11/4/2022 Analyte	Batc Analysis I Result	h ID: 713 Date: 11 PQL	806 /7/2022 SPK value	F S SPK Ref Val	RunNo: 92 SeqNo: 33 %REC	2384 319982 LowLimit	Units: <b>mg/K</b> HighLimit	g	RPDLimit	Qual
Client ID: LCSS Prep Date: 11/4/2022 Analyte Benzene	Batc Analysis I Result 0.97	h ID: 713 Date: 11 PQL 0.025	806 (7/2022 SPK value 1.000	F SPK Ref Val 0	RunNo: 92 SeqNo: 33 %REC 97.0	2384 19982 LowLimit 80	Units: <b>mg/K</b> HighLimit 120	g	RPDLimit	Qual
Client ID: LCSS Prep Date: 11/4/2022 Analyte Benzene Toluene	Batc Analysis I Result 0.97 0.99	h ID: 713 Date: 11 PQL 0.025 0.050	806 /7/2022 SPK value 1.000 1.000	F SPK Ref Val 0 0	RunNo: 92 SeqNo: 33 %REC 97.0 98.6	2384 219982 LowLimit 80 80	Units: <b>mg/K</b> HighLimit 120 120	g	RPDLimit	Qual
Client ID: LCSS Prep Date: 11/4/2022 Analyte Benzene Toluene Ethylbenzene	Batc Analysis E Result 0.97 0.99 0.98	h ID: 713 Date: 11 PQL 0.025 0.050 0.050	806 /7/2022 SPK value 1.000 1.000 1.000	F SPK Ref Val 0 0 0	RunNo: 92 SeqNo: 33 %REC 97.0 98.6 98.1	2384 519982 LowLimit 80 80 80	Units: mg/K HighLimit 120 120 120	g	RPDLimit	Qual

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 Practical Quanitative Limit
- PQL
  - % 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
- J Analyte detected below quantitation limits Sample pH Not In Range
- P RL Reporting Limit

Page 11 of 11

Client Name:       R & R Environmental       Work Order Number:       2211253       RcptNo: 1         Received By:       Tracy Casarrubias       11/4/2022 7:30:00 AM         Completed By:       Tracy Casarrubias       11/4/2022 7:30:00 AM         Completed By:       Tracy Casarrubias       11/4/2022 7:30:00 AM         Reviewed By:       Jm + + + + + + + + + + + + + + + + + + +	ANAL	ENVIRONMENTAL ANALYSIS LABORATORY				ental Analysis Lo 4901 Ha Albuquerque, N 3975 FAX: 505- w.hallenvironni	nvkins NE NM 87109 345-4107	Sample Log-In Check List				
Completed By:       Treey Casarrubias       11/4/2022 7:38:08 AM         Reviewed By:       Image: I	Client Name:	R & R Env	ironmental	Worl	k Order Nun	nber: 2211253			RcptNo	p: 1		
Completed By:       Treey Casarrubias       11/4/2022 7:38:08 AM         Reviewed By:       Image: I	Beesland Day			441410	000 7-00-00							
Reviewed By: 1n 114/22         Chain of Custody complete?         1. Is Chain of Custody complete?       Yes       No       Not Present         2. How was the sample delivered?       Courtier         Log In         3. Was an attempt made to cool the samples?       Yes       No       NA         4. Were all samples received at a temperature of >0° C to 8.0°C       Yes       No       NA         5. Sample(s) in proper container(s)?       Yes       No       NA         6. Sufficient sample volume for indicated test(s)?       Yes       No       NA         7. Are samples (except VOA and ONG) properly preserved?       Yes       No       NA         9. Received at least 1 vial with headspace <1/4° for AQ VOA?		-										
Chain of Custody         1. Is Chain of Custody complete?         Yes         No	• •	-		11/4/20	022 7:38:08	AM						
1. Is Chain of Custody complete?       Yes       No       Not Present         2. How was the sample delivered?       Courier         3. Was an attempt made to cool the samples?       Yes       No       NA         4. Were all samples received at a temperature of >0° C to 6.0°C       Yes       No       NA         5. Sample(s) in proper container(s)?       Yes       No       NA         6. Sufficient sample volume for indicated test(s)?       Yes       No       NA         7. Are samples (except VOA and ONG) properly preserved?       Yes       No       NA         9. Received at least 1 vial with headspace <1/4" for AQ VOA?	Reviewed By;	71 112	4/22									
2. How was the sample delivered?       Courier         Log In	Chain of Cus	tody						_	_			
Log In         3. Was an attempt made to cool the samples?       Yes       No       NA         4. Were all samples received at a temperature of >0° C to 6.0°C       Yes       No       NA         5. Sample(s) in proper container(s)?       Yes       No       NA         6. Sufficient sample volume for indicated test(s)?       Yes       No       NA         7. Are samples (except VOA and ONG) properly preserved?       Yes       No       NA         9. Received at least 1 vial with headspace <1/4" for AQ VOA?	1. Is Chain of C	ustody comp	olete?			Yes 🗹	I	No	Not Present			
3. Was an attempt made to cool the samples?       Yes Ø       No       NA         4. Were all samples received at a temperature of >0° C to 6.0°C       Yes Ø       No       NA         5. Sample(s) in proper container(s)?       Yes Ø       No       NA         6. Sufficient samples volume for indicated test(s)?       Yes Ø       No       NA         7. Are samples (except VOA and ONG) property preserved?       Yes Ø       No       NA         9. Received at least 1 vial with headspace <1/4" for AQ VOA?	2. How was the	sample deliv	vered?			<u>Courier</u>						
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       No         6. Sufficient sample volume for indicated test(s)?       Yes       No          7. Are samples (except VOA and ONG) property 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?				10		v. 6						
1. Hold at an proof to the of the of to of to of the of the of to of to of the of t	<ol> <li>Was an attem</li> </ol>	pt made to	cool the samp	bles?		Yes 🗹	ſ					
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         9. Received at least 1 vial with headspace <1/4" for AQ VOA?	4. Were all samp	oles received	l at a tempera	ature of >0° C	to 6.0°C	Yes 🗹	1	No 🗌	NA 🗌			
0. Outstant control inductor control inductor control inductor control.       Intervention inductor control inductor contected inducton contected inductor control inductor control inducto	5. Sample(s) in p	proper conta	iner(s)?			Yes 🗹	1	No 🗆				
8. Was preservative added to bottles?       Yes       No       NA         9. Received at least 1 vial with headspace <1/4" for AQ VOA?	6. Sufficient sam	ple volume f	for indicated to	est(s)?		Yes 🗹	N	lo 🗆				
9. Received at least 1 vial with headspace <1/4" for AQ VOA?	7. Are samples (e	except VOA	and ONG) pro	operly preserv	red?	Yes 🗹	N	lo 🗌				
10. Were any sample containers received broken?       Yes       No       # of preserved bottles checked for pH:         11. Does paperwork match bottle labels?       Yes       Yes       No       # of preserved bottles checked for pH:         11. Does paperwork match bottle labels?       Yes       Yes       No       # of preserved bottles checked for pH:         11. Does paperwork match bottle labels?       Yes       Yes       No       # of preserved bottles checked for pH:         (Note discrepancies on chain of custody)       Yes       Yes       No       Adjusted?         12. Are matrices correctly identified on Chain of Custody?       Yes       No       Adjusted?         13. Is it clear what analyses were requested?       Yes       No       Adjusted?         14. Were all holding times able to be met?       Yes       No       Adjusted?         (If no, notify customer for authorization.)       Yes       No       II. 4. 3. 3.         Special Handling (if applicable)       II. 4. 3. 3.       II. 4. 3. 3.       II. 4. 3. 3.         15. Was client notified of all discrepancies with this order?       Yes       No       NA       II. 4. 3.         Person Notified:	8. Was preserval	tive added to	bottles?			Yes 🗌	N	lo 🗹	NA 🗌			
11. Does paperwork match bottle labels?       Yes       No       # of preserved bottles checked for pH:         (Note discrepancies on chain of custody)       Yes       No       Adjusted?         12. Are matrices correctly identified on Chain of Custody?       Yes       No       Adjusted?         13. Is it clear what analyses were requested?       Yes       No       Adjusted?         14. Were all holding times able to be met?       Yes       No       Prescription (if applicable)         15. Was client notified of all discrepancies with this order?       Yes       No       NA         Person Notified:       Date:       Date:       Image:       Image:         By Whom:       Via:       eMail       Phone       Fax       In Person	9. Received at le	ast 1 vial wit	ih headspace	<1/4" for AQ	VOA?	Yes 🗌	N	lo 🗆	NA 🗹			
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)       Yes ♥ No □       bottles checked for pH: (<2 or >12 unless noted)         12. Are matrices correctly identified on Chain of Custody?       Yes ♥ No □       Adjusted?         13. Is it clear what analyses were requested?       Yes ♥ No □       Adjusted?         14. Were all holding times able to be met? (If no, notify customer for authorization.)       Yes ♥ No □       Person No □         Special Handling (if applicable)       15. Was client notified of all discrepancies with this order?       Yes □       No □       NA ♥         Person Notified:       Date:	10. Were any sam	nple containe	ers received b	oroken?		Yes 🗆	١	lo 🔽	# of preserved			
(Note discrepancies on chain of custody)         12. Are matrices correctly identified on Chain of Custody?       Yes       No       Adjusted?       Adjusted?         13. Is it clear what analyses were requested?       Yes       No       Adjusted?       WPG 11.4         14. Were all holding times able to be met? (If no, notify customer for authorization.)       Yes       No       Precked by:       WPG 11.4         5. pecial Handling (if applicable)       15. Was client notified of all discrepancies with this order?       Yes       No       NA       II.4.7         Person Notified:       Date:       Date:       II.9       II.9       II.9       II.9         By Whom:       Via:       eMail       Phone       Fax       In Person	11 0					v [4	N		bottles checked			
12. All matches connectly identified on chain of costody?       Tes id in iteration is in the initial of costody?       Wa initial of costody?         13. Is it clear what analyses were requested?       Yes id initial of costody?       No in the initial of costody?       Wa initial of costody?         14. Were all holding times able to be met?       Yes id initial of costody?       Yes id initial of costody?       Wa initial of costody?         14. Were all holding times able to be met?       Yes id initial of costody?       Yes id initial of costody?       Wa initial of costody?         14. Were all holding times able to be met?       Yes id initial of costody?       Yes id initial of costody?       Wa initial of costody?         14. Were all holding times able to be met?       Yes id initial of costody?       Yes id initial of costody?       Wa initial of costody?         14. Were all holding times able to be met?       Yes id initial of costody?       Yes id initial of costody?       Wa initial of costody?         14. Were all holding times able to be met?       Yes id initial of costody?       No id initial of costody?       Wa initial of costody?         15. Was client notified:       Date:       Date:       Date:       Initial of costody?         By Whom:       Via:       eMail id Phone in Fax in In Person       In Person         Regarding:       Initial of costody?       Yes in the costody?       Initial of costody? </td <td>(E), P</td> <td></td> <td></td> <td><i>י</i>)</td> <td></td> <td>res 🖭</td> <td>N</td> <td></td> <td></td> <td>or &gt;12 unless noted)</td> <td></td>	(E), P			<i>י</i> )		res 🖭	N			or >12 unless noted)		
Special Handling (if applicable)       II.4.7         15, Was client notified of all discrepancies with this order?       Yes       No       NA       ✓         Person Notified:       Date:       ✓       ✓       ✓       ✓         By Whom:       ✓       Via:       eMail       Phone       Fax       In Person         Regarding:       ✓       ✓       ✓       ✓       ✓       ✓       ✓	12. Are matrices c	orrectly iden	tified on Chai	n of Custody?		Yes 🗹	N	• 🗆	Adjusted?	1600111	4.22	
Special Handling (if applicable)       II.4.7         15, Was client notified of all discrepancies with this order?       Yes       No       NA       ✓         Person Notified:       Date:       ✓       ✓       ✓       ✓         By Whom:       ✓       Via:       eMail       Phone       Fax       In Person         Regarding:       ✓       ✓       ✓       ✓       ✓       ✓       ✓	13. Is it clear what	analyses we	ere requested	?						1/1/2 11 0 2	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	
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□ Az Compliance     Sampler: 1304/0.01       □ Other     # of Coolers: 1       □ Other     # of Coolers: 1       ■ Atrix     Sample Name       Matrix     Sample Name       Type     7/20       001     2001       5(0)     21       5(0)     21       5(0)     21       5(0)     21       5(0)     21       5(0)     21       5(0)     21       5(0)     21       5(0)     21       5(0)     21       5(0)     21       5(0)     21       5(0)     21       5(0)     21       5(0)     21       5(0)     21       5(0)     21       5(0)     21       5(0)     21       5(0)     21       5(0)     21       5(0)     20       7(0)     20       7(0)     20       7(0)     20       7(0)     20       7(0)     20       7(0)     20       7(0)     20       7(0)     20       7(0)     20       7(0)     20       7(0)     20 </td <td>Dd IS0 ( 03 ) s,(</td>	Dd IS0 ( 03 ) s,(
□ Other     On Ice:          X Yes          No           # of Coolers:         # of Coolers:          # of Coolers:              •              •              •              •              •              •              •              •              •              •              •              •              •              •              •              •              •              •              •              •              •              •              •              •              •              •              •                       •	
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Time         Matrix         Sample Name         Container         Preservative         HEAL           Fine         Matrix         Sample Name         Container         Preservative         HEAL           B:0         5(b): 1         21         Ches-4         Le.j.         001           B:0         5(b): 1         21         Ches-4         Le.j.         002           B:1         5(b): 1         21         Ches-4         Le.j.         002           B:1         5(b): 1         21         Ches-4         Le.j.         005           B:3         7(c, 2)         2(c, 2)         Confa         005         006           B:3         7(c, 2)         2(c, 2)         Confa         006         006           B:3         7(c, 2)         2(c, 2)         2(c, 2)         Confa         006           B:45         7(c, 2)         2(c, 2)         000         006         006	
Time         Matrix         Sample Name         Container         Preservative         HEAL           Fine         Matrix         Sample Name         Type and #         Type         22.1122           Fine         Stor         Job         Stor         Job         Dol         22.112           Fine         Matrix         Sample Name         Type and #         Type         22.1122           Brow         Stor         Job         Job         Dol         Dol         Dol           Brow         Stor         Jor         Job         Job         Dol         Dol           Brow         Stor         Jor         Job         Dol         Dol         Dol           Brow         Stor         Jor         Jor         Dol         Dol         Dol	-0.1.* 4.J. (°C) MT 12D( 983) 9 Me 9 Me 9 Me 9 Me 9 Me 9 Me 9 Me 9 Me
Time         Matrix         Sample Name         Type         32112           B:0         5.00:1         21         Chas-1         26:0         2001           B:0         5.00:1         21         Chas-1         26:0         2001           B:0         5.00:2         21         Chas-1         26:0         001           B:0         5.00:4         21         Chas-1         26:0         001           B:0         5.00:4         21         Chas-1         26:0         001           B:0         5.00:4         21         21         001         002           B:30         5.00:4         21         21         001         002           B:30         7.00         4.0         20         000         000           B:30         7.0         20         20         20         20         20           B:30         7.0         20         20         20         20         20         20           B:40         7.0         20         20         20         20         20         20           B:41         7.0         20         20         20         20         20	Level 1 Peep 1 Peep 2 P
8:0     5(0:1     2!     Chas.4     2.6.1     2!     Chas.4     2.6.1     001       8:0     5(0:1     2!     1     2!     1     001       8:0     5(0:2     2!     1     001     002       8:0     5(0:4     2!     1     003       8:1     5(0:4     2!     1     003       8:2     5(0:4     2!     1     003       8:3     5(0:4     2!     004     003       8:3*     5(0:4     2!     004       8:3*     5(0:4     2!     004       8:3*     5(0:4     2!     004       8:3*     5(0:4     2!     004       8:45     7     1     004       8:45     7     1     004       8:45     7     1     006       8:45     7     1     006       1me:     Relinquished by:     1     010	
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8:38 [2:32 [2:32] 8:35 [3:4] 2 [2:0] 8:45 [3:4] 2 [0:06 8:45 [3:4] 2 [0:06 8:45 [3:4] 2 [0:06 8:45 [3:4] 2 [0:06 8:45 [3:4] 2 [0:00 8:45 [3:4] 2 [0:00 8:45 [3:4] 2 [0:00 8:45 [3:4] 2 [0:00 8:45 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:4] 2 [3:	
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# HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

November 11, 2022

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

RE: Barry Miller

OrderNo.: 2211248

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

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

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:	R & R Environmental			<b>Collection Date:</b>	11/3/2	022 9:0	0:00 AM
Project:	Barry Miller						
Lab ID:	2211248-001			Matrix:	SOIL		
Client Sample	ID S-21A 1'						
Analyses		Result	RL Qual	Units	DF	Date 2	Analyzed
EPA METHOD	300.0: ANIONS			E300			Analyst: <b>JTT</b>
Chloride		ND	60	mg/Kg	20	11/8/2	2022 2:53:53 PM
BTEX/GRO/DF EPA METHOD	RO SOIL 8015M/D: DIESEL RANGI		cs	SW8015			Analyst: DGH
Diesel Range O	rganics (DRO)	ND	15	mg/Kg	1	11/8/2	2022 1:09:07 AM
Motor Oil Range	e Organics (MRO)	ND	49	mg/Kg	1	11/8/2	2022 1:09:07 AM
Surr: DNOP		94.9	21 - 129	%Rec	1	11/8/2	2022 1:09:07 AM
BTEX/GRO/DR EPA METHOD	RO SOIL 8015D: GASOLINE RANG	E		SW8015	SW5	035	Analyst: CCM
Gasoline Range	Organics (GRO)	ND	4.8	mg/Kg	1	11/7/2	2022 1:56:00 PM
Surr: BFB		97.3	37.7 - 212	%Rec	1	11/7/2	2022 1:56:00 PM
BTEX/GRO/DR EPA METHOD	RO SOIL 8021B: VOLATILES			SW8021	SW5	035	Analyst: CCM
Benzene		ND	0.024	mg/Kg	1	11/7/2	2022 1:56:00 PM
Toluene		ND	0.048	mg/Kg	1	11/7/2	2022 1:56:00 PM
Ethylbenzene		ND	0.048	mg/Kg	1		2022 1:56:00 PM
Xylenes, Total		ND	0.095	mg/Kg	1		2022 1:56:00 PM
Surr: 4-Bromo	ofluorobenzene	108	70 - 130	%Rec	1	11/7/2	2022 1:56:00 PM

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



Surr: 4-Bromofluorobenzene

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			<b>Collection Dat</b>	te: 11/3/	2022 9:0	5:00 AM	
Project:	Barry Miller							
Lab ID:	2211248-002			Matri	x: SOIL			
<b>Client Sample ID</b>	S-22A 1'							
Analyses		Result	RL Q	Qual Units	DF	Date	Analyzed	
EPA METHOD 30	0.0: ANIONS			E300			Analyst	JTT
Chloride		ND	60	mg/Kg	20	11/8	2022 3:06:1	4 PM
BTEX/GRO/DRO EPA METHOD 80	SOIL 15M/D: DIESEL RANGE	ORGANI	CS	SW8015	5		Analyst	DGH
Diesel Range Orga	nics (DRO)	ND	14	mg/Kg	1	11/8/	2022 1:19:5	5 AM
Motor Oil Range Or	ganics (MRO)	ND	48	mg/Kg	1	11/8/	2022 1:19:5	6 AM
Surr: DNOP		61.0	21 - 129	%Rec	1	11/8/	2022 1:19:56	5 AM
BTEX/GRO/DRO S EPA METHOD 80	SOIL 15D: GASOLINE RANG	E		SW8015	5 SW	5035	Analyst:	ССМ
Gasoline Range Org	ganics (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 S EPA METHOD 802				SW8021	SW	5035	Analyst:	ССМ
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

70 - 130

%Rec

1

11/7/2022 2:16:00 PM

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

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

# **Analytical Report**

(consolidated) WO#: 2211248 Date Reported: 11/11/2022

CLIENT:	R & R Environmental			<b>Collection Date:</b>	11/3/20	022 9:10	:00 AM
Project:	Barry Miller						
Lab ID:	2211248-003			Matrix:	SOIL		
<b>Client Sample ID</b>	S-23A 1'						
Analyses		Result	RL Qual	Units	DF	Date A	analyzed
EPA METHOD 30	00.0: ANIONS			E300			Analyst: <b>JTT</b>
Chloride		250	61	mg/Kg	20	11/8/2	022 3:43:17 PM
BTEX/GRO/DRO EPA METHOD 80	SOIL 15M/D: DIESEL RANGE	E ORGANI	cs	SW8015			Analyst: DGH
Diesel Range Orga	nics (DRO)	ND	15	mg/Kg	1	11/8/2	022 1:41:08 AM
Motor Oil Range Or	rganics (MRO)	ND	49	mg/Kg	1	11/8/2	022 1:41:08 AM
Surr: DNOP		84.4	21 - 129	%Rec	1	11/8/2	022 1:41:08 AM
BTEX/GRO/DRO EPA METHOD 80	SOIL 15D: GASOLINE RANG	E		SW8015	SW5	035	Analyst: CCM
Gasoline Range Or	ganics (GRO)	ND	4.8	mg/Kg	1	11/7/2	022 2:36:00 PM
Surr: BFB		99.0	37.7 - 212	%Rec	1	11/7/2	022 2:36:00 PM
BTEX/GRO/DRO EPA METHOD 80				SW8021	SW5	035	Analyst: CCM
Benzene		ND	0.024	mg/Kg	1	11/7/2	022 2:36:00 PM
Toluene		ND	0.048	mg/Kg	1	11/7/2	022 2:36:00 PM
Ethylbenzene		ND	0.048	mg/Kg	1	11/7/2	022 2:36:00 PM
Xylenes, Total		ND	0.096	mg/Kg	1	11/7/2	022 2:36:00 PM
Surr: 4-Bromoflue	probenzene	107	70 - 130	%Rec	1	11/7/2	022 2:36:00 PM

<b>Oualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	В	Analyte de
	D	Sample Diluted Due to Matrix	Е	Above Qua
	н	Holding times for preparation or analysis exceeded	J	Analyte det

Not Detected at the Reporting Limit ND

PQL Practical Quanitative Limit

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

detected in the associated Method Blank

uantitation Range/Estimated Value

detected below quantitation limits

Р Sample pH Not In Range RL

Reporting Limit



Surr: 4-Bromofluorobenzene

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			<b>Collection Date:</b>	11/3/2	022 9:1	5:00 AM
Project:	Barry Miller						
Lab ID:	2211248-004			Matrix:	SOIL		
<b>Client Sample ID</b>	S-24A 1'						
Analyses		Result	RL Qual	Units	DF	Date	Analyzed
EPA METHOD 30	00.0: ANIONS			E300			Analyst: <b>JTT</b>
Chloride		180	61	mg/Kg	20	11/8/	2022 3:55:39 PM
BTEX/GRO/DRO EPA METHOD 80	SOIL 15M/D: DIESEL RANGE	E ORGANI	cs	SW8015			Analyst: DGH
Diesel Range Orga	nics (DRO)	ND	14	mg/Kg	1	11/8/	2022 1:51:52 AM
Motor Oil Range Or	rganics (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 EPA METHOD 80	SOIL 15D: GASOLINE RANG	E		SW8015	SW5	035	Analyst: CCM
Gasoline Range Or	ganics (GRO)	ND	4.8	mg/Kg	1	11/7/	2022 2:55:00 PM
Surr: BFB		99.1	37.7 - 212	%Rec	1	11/7/2	2022 2:55:00 PM
BTEX/GRO/DRO EPA METHOD 80				SW8021	SW5	035	Analyst: CCM
Benzene		ND	0.024	mg/Kg	1	11/7/2	2022 2:55:00 PM
Toluene		ND	0.048	mg/Kg	1	11/7/2	2022 2:55:00 PM
Ethylbenzene		ND	0.048	mg/Kg	1	11/7/2	2022 2:55:00 PM
Xylenes, Total		ND	0.097	mg/Kg	1	11/7/2	2022 2:55:00 PM
0 10 7	-	12.2.2			-		

70 - 130

%Rec

1

11/7/2022 2:55:00 PM

Value exceeds Maximum Contaminant Level. Analyte detected in the associated Method Blank Qualifiers: В D Sample Diluted Due to Matrix Е Above Quantitation Range/Estimated Value н Holding times for preparation or analysis exceeded J Analyte detected below quantitation limits ND Not Detected at the Reporting Limit P Sample pH Not In Range PQL Practical Quanitative Limit Reporting Limit RL S % Recovery outside of standard limits. If undiluted results may be estimated. Page 4 of 27

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#### **Analytical Report**

(consolidated) WO#: 2211248 Date Reported: 11/11/2022

CLIENT:	R & R Environmental			<b>Collection Date:</b>	11/3/20	)22 9:20	0:00 AM	
Project:	Barry Miller							
Lab ID:	2211248-005			Matrix:	SOIL			
Client Sample I	<b>D</b> S-25A 1'							
Analyses		Result	RL Qual	Units	DF	Date A	Analyzed	
EPA METHOD	300.0: ANIONS			E300			Analyst:	JTT
Chloride		90	60	mg/Kg	20	11/8/2	2022 4:07:59	PM
BTEX/GRO/DR	O SOIL 8015M/D: DIESEL RANG		cs	SW8015			Analyst:	DGH
Diesel Range Or	ganics (DRO)	ND	14	mg/Kg	1	11/8/2	2022 2:02:34	AM
Motor Oil Range	Organics (MRO)	ND	46	mg/Kg	1	11/8/2	2022 2:02:34	AM
Surr: DNOP		89.2	21 - 129	%Rec	1	11/8/2	2022 2:02:34	AM
BTEX/GRO/DRO	D SOIL 8015D: GASOLINE RANG	ε		SW8015	SW5	035	Analyst:	ССМ
Gasoline Range	Organics (GRO)	ND	4.9	mg/Kg	1	11/7/2	2022 3:35:00	PM
Surr: BFB		85.0	37.7 - 212	%Rec	1	11/7/2	2022 3:35:00	PM
BTEX/GRO/DRO	O SOIL 3021B: VOLATILES			SW8021	SW5	035	Analyst:	ССМ
Benzene		ND	0.024	mg/Kg	1	11/7/2	022 3:35:00	PM
Toluene		ND	0.049	mg/Kg	1	11/7/2	022 3:35:00	PM
Ethylbenzene		ND	0.049	mg/Kg	1	11/7/2	022 3:35:00	PM
Xylenes, Total		ND	0.097	mg/Kg	1	11/7/2	022 3:35:00	PM
Surr: 4-Bromof	luorobenzene	100	70 - 130	%Rec	1	11/7/2	022 3:35:00	PM

Value exceeds Maximum Contaminant Level. **Qualifiers:** \* Above Quantitation Range/Estimated Value D Sample Diluted Due to Matrix E J Analyte detected below quantitation limits Н Holding times for preparation or analysis exceeded Sample pH Not In Range ND Not Detected at the Reporting Limit Р

Practical Quanitative Limit PQL

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

Analyte detected in the associated Method Blank В

Reporting Limit RL



#### **Analytical Report**

(consolidated) WO#: 2211248 Date Reported: 11/11/2022

CLIENT:	R & R Environmental			<b>Collection Date:</b>	11/3/2	022 9:25:00 AM
Project:	Barry Miller					
Lab ID:	2211248-006			Matrix:	SOIL	
Client Sample ID	S-26A 1'					
Analyses		Result	RL Qual	Units	DF	Date Analyzed
EPA METHOD 30	00.0: ANIONS			E300		Analyst: JTT
Chloride		ND	60	mg/Kg	20	11/8/2022 4:20:20 PM
BTEX/GRO/DRO EPA METHOD 80	SOIL 15M/D: DIESEL RANGI		cs	SW8015		Analyst: DGH
Diesel Range Orga	nics (DRO)	ND	14	mg/Kg	1	11/8/2022 2:13:15 AM
Motor Oil Range O	rganics (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 EPA METHOD 80	SOIL 15D: GASOLINE RANG	E		SW8015	SW5	Analyst: CCM
Gasoline Range Or	ganics (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 EPA METHOD 80				SW8021	SW5	035 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-Bromoflue	probenzene	104	70 - 130	%Rec	1	11/7/2022 3:54:00 PM

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



#### **Analytical Report**

 (consolidated)

 WO#:
 2211248

 Date Reported:
 11/11/2022

CLIENT:	R & R Environmental			<b>Collection Date:</b>	11/3/2	022 9:3	30:00 AM	
Project:	Barry Miller							
Lab ID:	2211248-007			Matrix:	SOIL			
<b>Client Sample ID</b>	S-27A 1'							
Analyses		Result	RL Qual	Units	DF	Date	Analyzed	
EPA METHOD 30	00.0: ANIONS			E300			Analyst: J	TT
Chloride		ND	60	mg/Kg	20	11/8	/2022 4:32:40 P	M
BTEX/GRO/DRO EPA METHOD 80	SOIL 15M/D: DIESEL RANG		cs	SW8015			Analyst: D	GH
Diesel Range Orga	nics (DRO)	ND	14	mg/Kg	1	11/8	/2022 2:23:54 A	M
Motor Oil Range O	rganics (MRO)	ND	46	mg/Kg	1	11/8	/2022 2:23:54 A	M
Surr: DNOP		90.8	21 - 129	%Rec	1	11/8	/2022 2:23:54 A	M
BTEX/GRO/DRO EPA METHOD 80	SOIL 15D: GASOLINE RANG	E		SW8015	SW	5035	Analyst: <b>C</b>	CM
Gasoline Range Or	ganics (GRO)	ND	4.7	mg/Kg	1	11/7	/2022 4:14:00 P	M
Surr: BFB		91.0	37.7 - 212	%Rec	1	11/7	/2022 4:14:00 P	M
BTEX/GRO/DRO EPA METHOD 80				SW8021	SW	5035	Analyst: <b>C</b>	CM
Benzene		ND	0.023	mg/Kg	1	11/7	/2022 4:14:00 P	M
Toluene		ND	0.047	mg/Kg	1	11/7	/2022 4:14:00 P	M
Ethylbenzene		ND	0.047	mg/Kg	1	11/7/	/2022 4:14:00 P	M
Xylenes, Total		ND	0.094	mg/Kg	1	11/7/	/2022 4:14:00 P	Μ
Surr: 4-Bromoflu	orobenzene	102	70 - 130	%Rec	1	11/7/	/2022 4:14:00 P	М

Analyte detected in the associated Method Blank Value exceeds Maximum Contaminant Level. В **Qualifiers:** \* Above Quantitation Range/Estimated Value D Sample Diluted Due to Matrix E J Analyte detected below quantitation limits Holding times for preparation or analysis exceeded Н ND Not Detected at the Reporting Limit Р Sample pH Not In Range Reporting Limit RL PQL Practical Quanitative Limit % Recovery outside of standard limits. If undiluted results may be estimated. S Page 7 of 27



#### **Analytical Report**

(consolidated) WO#: 2211248 Date Reported: 11/11/2022

CLIENT:	R & R Environmental			<b>Collection Date:</b>	11/3/2	2022 9:35:00 AM	
Project:	Barry Miller						
Lab ID:	2211248-008			Matrix:	SOIL		
<b>Client Sample ID</b>	S-28A 1'						
Analyses		Result	RL Qual	Units	DF	Date Analyzed	
EPA METHOD 30	00.0: ANIONS			E300		Analyst:	лтт
Chloride		210	60	mg/Kg	20	11/8/2022 4:45:01 F	РМ
BTEX/GRO/DRO EPA METHOD 80	SOIL 15M/D: DIESEL RANGE		cs	SW8015		Analyst: [	DGH
Diesel Range Orga	nics (DRO)	ND	14	mg/Kg	1	11/8/2022 2:34:33	٩M
Motor Oil Range Or	rganics (MRO)	ND	47	mg/Kg	1	11/8/2022 2:34:33 /	٩M
Surr: DNOP		90.0	21 - 129	%Rec	1	11/8/2022 2:34:33 /	۹M
BTEX/GRO/DRO EPA METHOD 80	SOIL 15D: GASOLINE RANG	E		SW8015	SW5	5035 Analyst: C	СМ
Gasoline Range Or	ganics (GRO)	ND	4.7	mg/Kg	1	11/7/2022 4:33:00 F	РМ
Surr: BFB		90.6	37.7 - 212	%Rec	1	11/7/2022 4:33:00 F	PM
BTEX/GRO/DRO	SOIL			SW8021	SW5	5035 Analyst: C	СМ

Value exceeds Maximum Contaminant Level.

Holding times for preparation or analysis exceeded

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

Sample Diluted Due to Matrix

Practical Quanitative Limit

Not Detected at the Reporting Limit

EPA METHOD 8021B: VOLATILES						<b></b>
Benzene	ND	0.024	mg/Kg	1	11/7/	2022 4:33:00 PM
Toluene	ND	0.047	mg/Kg	1	11/7/	2022 4:33:00 PM
Ethylbenzene	ND	0.047	mg/Kg	1	11/7/	2022 4:33:00 PM
Xylenes, Total	ND	0.095	mg/Kg	1	11/7/	2022 4:33:00 PM
Surr: 4-Bromofluorobenzene	105	70 - 130	%Rec	1	11/7/	2022 4:33:00 PM

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

**Qualifiers:** 

\* D

Н

ND

PQL

S

В	Analyte detected in the associated Method Blank

Above Quantitation Range/Estimated Value E

J Analyte detected below quantitation limits

Sample pH Not In Range Р

RL Reporting Limit



#### **Analytical Report**

 (consolidated)

 WO#:
 2211248

 Date Reported:
 11/11/2022

CLIENT:	R & R Environmental			<b>Collection Date:</b>	11/3/2	022 9:4	0:00 AM
Project:	Barry Miller						
Lab ID:	2211248-009			Matrix:	SOIL		
Client Sample ID	S-29A 1'						
Analyses		Result	RL Qual	Units	DF	Date	Analyzed
EPA METHOD 30	0.0: ANIONS			E300			Analyst: <b>JTT</b>
Chloride		ND	61	mg/Kg	20	11/8	/2022 4:57:21 PM
BTEX/GRO/DRO	SOIL 15M/D: DIESEL RANGI	E ORGANI	cs	SW8015			Analyst: DGH
Diesel Range Organ	nics (DRO)	ND	14	mg/Kg	1	11/8	/2022 2:45:11 AM
Motor Oil Range Or	ganics (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 S	SOIL 15D: GASOLINE RANG	E		SW8015	SWS	035	Analyst: CCM
Gasoline Range Org	ganics (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 S EPA METHOD 802				SW8021	SW5	035	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		2022 4:53:00 PM
Surr: 4-Bromofluc	probenzene	105	70 - 130	%Rec	1	11/7/	2022 4:53:00 PM

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

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 stan

% 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



Surr: DNOP

Surr: BFB

Benzene

Toluene

Qualifie

Ethylbenzene

Xylenes, Total

**BTEX/GRO/DRO SOIL** 

**BTEX/GRO/DRO SOIL** 

Gasoline Range Organics (GRO)

**EPA METHOD 8021B: VOLATILES** 

Surr: 4-Bromofluorobenzene

**EPA METHOD 8015D: GASOLINE RANGE** 

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

11/8/2022 2:55:47 AM

11/7/2022 5:13:00 PM

Analyst: CCM

Analyst: CCM

CLIENT:	R & R Environmental			<b>Collection Date:</b>	11/3/2	022 9:45:00 AM
Project:	Barry Miller					
Lab ID:	2211248-010			Matrix:	SOIL	
Client Sample ID	S-30A 1'					
Analyses		Result	RL Qual	Units	DF	Date Analyzed
EPA METHOD 30	0.0: ANIONS			E300		Analyst: JTT
EPA METHOD 30 Chloride	0.0: ANIONS	ND	60	<b>E300</b> mg/Kg	20	Analyst: JTT 11/8/2022 11:20:05 PM
Chloride BTEX/GRO/DRO			60		20	,
Chloride BTEX/GRO/DRO	SOIL 15M/D: DIESEL RANGE		60 15	mg/Kg	20	11/8/2022 11:20:05 PM

21 - 129

4.8

0.024

0.048

0.048

0.096

70 - 130

37.7 - 212

%Rec

mg/Kg

%Rec

mg/Kg

mg/Kg

mg/Kg

mg/Kg

%Rec

SW8015

SW8021

1

1

1

1

1

1

1

1

SW5035

SW5035

90.6

ND

91.2

ND

ND

ND

ND

104

rs:	*	Value exceeds Maximum Conta
	D	Sample Diluted Due to Matrix
	н	Holding times for preparation or

H Holding times for preparation or analysis exceededND 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



Ethylbenzene

Xylenes, Total

Surr: 4-Bromofluorobenzene

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#### **Analytical Report**

(consolidated) WO#: 2211248 Date Reported: 11/11/2022

CLIENT:	R & R Environmental			<b>Collection Date:</b>	11/3/20	022 9:50:00 AM
Project:	Barry Miller					
Lab ID:	2211248-011			Matrix:	SOIL	
Client Sample ID	S-31A 1'					
Analyses		Result	RL Qual	Units	DF	Date Analyzed
EPA METHOD 30	0.0: ANIONS			E300		Analyst: JTT
Chloride		ND	60	mg/Kg	20	11/8/2022 11:32:26 PM
BTEX/GRO/DRO EPA METHOD 80	SOIL 15M/D: DIESEL RANGE	ORGANI	CS	SW8015		Analyst: DGH
Diesel Range Orga	nics (DRO)	ND	14	mg/Kg	1	11/8/2022 3:06:23 AM
Motor Oil Range Or	ganics (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 EPA METHOD 80	SOIL 15D: GASOLINE RANG	E		SW8015	SW5	035 Analyst: CCM
Gasoline Range Or	ganics (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 EPA METHOD 80				SW8021	SW50	035 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

0.048

0.097

70 - 130

mg/Kg

mg/Kg

%Rec

1

1

1

11/7/2022 5:32:00 PM

11/7/2022 5:32:00 PM

11/7/2022 5:32:00 PM

Analyte detected in the associated Method Blank Value exceeds Maximum Contaminant Level. **Qualifiers:** В D Sample Diluted Due to Matrix E Above Quantitation Range/Estimated Value н Holding times for preparation or analysis exceeded Analyte detected below quantitation limits J ND Not Detected at the Reporting Limit Р Sample pH Not In Range PQL Reporting Limit Practical Quanitative Limit RL S % Recovery outside of standard limits. If undiluted results may be estimated. Page 11 of 27

ND

ND

104



**BTEX/GRO/DRO SOIL** 

**BTEX/GRO/DRO SOIL** 

Surr: BFB

Benzene

Toluene

**Qualifiers:** 

D

Н

ND

PQL

S

Ethylbenzene

Xylenes, Total

Gasoline Range Organics (GRO)

**EPA METHOD 8021B: VOLATILES** 

Surr: 4-Bromofluorobenzene

**EPA METHOD 8015D: GASOLINE RANGE** 

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#### **Analytical Report**

(consolidated) WO#: 2211248 Date Reported: 11/11/2022

CLIENT:	R & R Environmental			<b>Collection Date</b>	: 11/3/2	2022 9:55:00 AM
Project:	Barry Miller					
Lab ID:	2211248-012			Matrix	: SOIL	
Client Sample ID	S-32A 1'					
Analyses		Result	RL Qual	Units	DF	Date Analyzed
EPA METHOD 30	0.0: ANIONS			E300		Analyst: JTT
Chloride		ND	60	mg/Kg	20	11/8/2022 11:44:46 PM
BTEX/GRO/DRO EPA METHOD 80	SOIL 15M/D: DIESEL RANGE		S	SW8015		Analyst: DGH
Diesel Range Orga	nics (DRO)	ND	14	mg/Kg	1	11/8/2022 3:16:58 AM
Motor Oil Range Or	ganics (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

4.9

37.7 - 212

0.025

0.049

0.049

0.098

70 - 130

ND

94.8

ND

ND

ND

ND

103

SW8015

SW8021

mg/Kg

%Rec

mg/Kg

mg/Kg

mg/Kg

mg/Kg

%Rec

SW5035

SW5035

1

1

1

1

1

1

1

Analyst: CCM

Analyst: CCM

11/7/2022 5:52:00 PM

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



#### **Analytical Report**

(consolidated) WO#: 2211248 Date Reported: 11/11/2022

and the second s	and a second		and the second se	and the second sec			
CLIENT:	R & R Environmental			<b>Collection Date:</b>	11/3/20	)22 10:0	0:00 AM
Project:	Barry Miller						
Lab ID:	2211248-013			Matrix:	SOIL		
<b>Client Sample ID</b>	S-33A 1'						
Analyses		Result	RL Qual	Units	DF	Date A	nalyzed
EPA METHOD 30	0.0: ANIONS			E300	Analyst: JTT		Analyst: <b>JTT</b>
Chloride		ND	60	mg/Kg	20 11/8/2022 11:57:07		022 11:57:07 PM
BTEX/GRO/DRO EPA METHOD 80	SOIL 15M/D: DIESEL RANGE		cs	SW8015	Analyst: DGH		
Diesel Range Orga	nics (DRO)	ND	15	mg/Kg	1	11/8/2	022 3:27:32 AM
Motor Oil Range Or	rganics (MRO)	ND	49	mg/Kg	1	11/8/2	022 3:27:32 AM
Surr: DNOP		86.1	21 - 129	%Rec	1	11/8/2	022 3:27:32 AM
BTEX/GRO/DRO EPA METHOD 80	SOIL 15D: GASOLINE RANG	E		SW8015	SW5	035	Analyst: CCM
Gasoline Range Or	ganics (GRO)	ND	4.7	mg/Kg	1	11/7/20	022 6:12:00 PM
Surr: BFB		93.3	37.7 - 212	%Rec	1	11/7/20	022 6:12:00 PM
BTEX/GRO/DRO EPA METHOD 80				SW8021	SW5035 Analyst: CCM		Analyst: CCM
Benzene		ND	0.023	mg/Kg	1	11/7/20	022 6:12:00 PM
Toluene		ND	0.047	mg/Kg	1	1 11/7/2022 6:12:00 PM	
Ethylbenzene		ND	0.047	mg/Kg	1	11/7/20	022 6:12:00 PM
Xylenes, Total		ND	0.093	mg/Kg	1	1 11/7/2022 6:12:00 PM	
Surr: 4-Bromoflue	probenzene	107	70 - 130	%Rec	1	11/7/20	022 6:12:00 PM

Qualifiers:

\*

D

Value exceeds Maximum Contaminant Level. 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. S

Analyte detected in the associated Method Blank В

Ε Above Quantitation Range/Estimated Value

Analyte detected below quantitation limits J

Р Sample pH Not In Range RL

Reporting Limit



D

Н

ND

PQL

S

Value exceeds Maximum Contaminant Level.

Sample Diluted Due to Matrix

Practical Quanitative Limit

Not Detected at the Reporting Limit

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#### **Analytical Report**

(consolidated) WO#: 2211248 Date Reported: 11/11/2022

CLIENT: R	& R Environmental			<b>Collection Date:</b>	11/3/2	11/3/2022 10:30:00 AM			
Project: B	arry Miller								
Lab ID: 2	211248-014			Matrix:	SOIL				
Client Sample ID S	W1								
Analyses		Result	RL Qual	Units	DF	Date .	Analyzed		
EPA METHOD 300.	0: ANIONS			E300	300 Analyst: JT		Analyst: <b>JTT</b>		
Chloride		210	60	mg/Kg	20 11/9/2022 12:09		2022 12:09:27 AM		
BTEX/GRO/DRO SC EPA METHOD 8015	DIL M/D: DIESEL RANGE	EORGANI	cs	SW8015	Analyst: DG		Analyst: DGH		
Diesel Range Organic	s (DRO)	19	15	mg/Kg	1 11/8/2022 3:38:0		2022 3:38:05 AM		
Motor Oil Range Orga	nics (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 SC EPA METHOD 8015	DIL D: GASOLINE RANG	E		SW8015	SW5	6035	Analyst: CCM		
Gasoline Range Orgar	nics (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 SC EPA METHOD 8021				SW8021	SW5035 Analyst: CC		Analyst: CCM		
Benzene		ND	0.025	mg/Kg	1	11/7/2	2022 6:32:00 PM		
Toluene		ND	0.049	mg/Kg	1	11/7/2	2022 6:32:00 PM		
Ethylbenzene		ND	0.049	mg/Kg	1	11/7/2	2022 6:32:00 PM		
Xylenes, Total		ND	0.098	mg/Kg	1	11/7/2	2022 6:32:00 PM		
Surr: 4-Bromofluoro	benzene	103	70 - 130	%Rec	1	11/7/2	2022 6:32:00 PM		

Qualifiers:



#### **Analytical Report**

 (consolidated)

 WO#:
 2211248

 Date Reported:
 11/11/2022

CLIENT:	R & R Environmental			<b>Collection Date:</b>	11/3/2	022 10	35:00 AM
Project:	Barry Miller						
Lab ID:	2211248-015			Matrix:	SOIL		
Client Sample ID	SW2						
Analyses		Result	RL Qual	Units	DF	Date	Analyzed
EPA METHOD 30	EPA METHOD 300.0: ANIONS			E300			Analyst: <b>JTT</b>
Chloride		ND	60	mg/Kg	20	11/9	/2022 12:21:47 AM
BTEX/GRO/DRO EPA METHOD 80	SOIL )15M/D: DIESEL RANGI	E ORGANI	cs	SW8015	Analyst: DG		Analyst: DGH
Diesel Range Orga	nics (DRO)	ND	15	mg/Kg	1	1 11/8/2022 10:09:5	
Motor Oil Range O	rganics (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 EPA METHOD 80	SOIL 15D: GASOLINE RANG	E		SW8015	SW5	035	Analyst: <b>NSB</b>
Gasoline Range Or	ganics (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 EPA METHOD 80	SOIL 21B: VOLATILES			SW8021	SW5	SW5035 Analyst: NSI	
Benzene		ND	0.024	mg/Kg	1	11/7/	2022 4:03:13 PM
Toluene	<i>n</i> .	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-Bromoflu	orobenzene	92.1	70 - 130	%Rec	1	11/7/	2022 4:03:13 PM

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



#### **Analytical Report**

(consolidated) WO#: 2211248 Date Reported: 11/11/2022

CLIENT:	R & R Environmental			С	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	Qual U	J <b>nits</b>	DF	Date A	nalyzed	
EPA METHOD 30	0.0: ANIONS				E300	Analyst: JTT		Analyst: JTT	
Chloride		ND	60	1	mg/Kg	20	11/9/2	022 12:34:08 AM	
BTEX/GRO/DRO EPA METHOD 80	SOIL 15M/D: DIESEL RANGE	ORGANI	cs		SW8015	Analyst: DGH		Analyst: DGH	
Diesel Range Orga	nics (DRO)	ND	14	r	mg/Kg	1	11/8/2	022 10:21:40 AM	
Motor Oil Range Or	ganics (MRO)	ND	48	r	mg/Kg	1	11/8/2	022 10:21:40 AM	
Surr: DNOP		96.2	21 - 129	ç	%Rec	1	11/8/2	022 10:21:40 AM	
BTEX/GRO/DRO	SOIL 15D: GASOLINE RANG	E			SW8015	SW5	035	Analyst: NSB	
Gasoline Range Org	ganics (GRO)	ND	4.9	r	ng/Kg	1	11/7/2	022 5:14:14 PM	
Surr: BFB		84.8	37.7 - 212	0	%Rec	1	11/7/2	022 5:14:14 PM	
BTEX/GRO/DRO S EPA METHOD 802					SW8021	SW5035 Analyst: NSB		Analyst: NSB	
Benzene		ND	0.024	n	ng/Kg	1	11/7/2	022 5:14:14 PM	
Toluene		ND	0.049	n	ng/Kg	1	11/7/20	022 5:14:14 PM	
Ethylbenzene		ND	0.049	n	ng/Kg	1	11/7/20	022 5:14:14 PM	
Xylenes, Total		ND	0.098	n	ng/Kg	1	11/7/20	022 5:14:14 PM	
Surr: 4-Bromofluc	probenzene	88.6	70 - 130	9	%Rec	1	11/7/20	022 5:14:14 PM	

Value exceeds Maximum Contaminant Level. Analyte detected in the associated Method Blank Qualifiers: в D Sample Diluted Due to Matrix Е Above Quantitation Range/Estimated Value Н Holding times for preparation or analysis exceeded J Analyte detected below quantitation limits ND Not Detected at the Reporting Limit Р Sample pH Not In Range PQL Practical Quanitative Limit Reporting Limit RL % Recovery outside of standard limits. If undiluted results may be estimated. S Page 16 of 27



#### **Analytical Report**

 (consolidated)

 WO#:
 2211248

 Date Reported:
 11/11/2022

			and the second sec				and the second	
CLIENT:	R & R Environmental			<b>Collection Date:</b>	11/3/2	11/3/2022 10:45:00 AM		
Project:	Barry Miller							
Lab ID:	2211248-017			Matrix:	SOIL			
Client Sample ID	SW4							
Analyses		Result	RL Qual	Units	DF	Date	Analyzed	
EPA METHOD 3	EPA METHOD 300.0: ANIONS			E300			Analyst: JTT	
Chloride		150	60	mg/Kg	20 11/9/2022 12:46:2		2022 12:46:28 AM	
BTEX/GRO/DRO EPA METHOD 8	SOIL 015M/D: DIESEL RANG	E ORGANI	cs	SW8015	Analyst: DGF		Analyst: DGH	
Diesel Range Orga	anics (DRO)	ND	14	mg/Kg	1	11/8/	2022 11:48:50 AM	
Motor Oil Range C	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 EPA METHOD 80	SOIL 015D: GASOLINE RANG	E		SW8015	SW5	035	Analyst: <b>NSB</b>	
Gasoline Range O	rganics (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 EPA METHOD 80	SOIL )21B: VOLATILES			SW8021	SW5035 Analyst: NSI		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		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	11/7/2	2022 7:35:53 PM	
Surr: 4-Bromoflu	lorobenzene	89.9	70 - 130	%Rec	1	11/7/2	2022 7:35:53 PM	

<b>Oualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	В	Analyte
Quantities	D	Sample Diluted Due to Matrix	E	Above
	н	Holding times for preparation or analysis exceeded	J	Analyte

H Holding times for preparation or analysis exceededND 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



Surr: 4-Bromofluorobenzene

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#### **Analytical Report**

(consolidated)WO#:2211248Date Reported:11/11/2022

CLIENT:	R & R Environmental			<b>Collection Date:</b>	tion Date: 11/3/2022 10:50:00 AM			
Project:	Barry Miller							
Lab ID:	2211248-018			Matrix:	SOIL			
Client Sample ID	BG1							
Analyses		Result	RL Qual	Units	DF	Date A	Analyzed	
EPA METHOD 30	0.0: ANIONS			E300	Analyst: J		Analyst: <b>JTT</b>	
Chloride		ND	60	mg/Kg	20 11/9/2022 1:23:31		2022 1:23:31 AM	
BTEX/GRO/DRO EPA METHOD 80	/GRO/DRO SOIL SW8015 METHOD 8015M/D: DIESEL RANGE ORGANICS			Analyst: DGH				
Diesel Range Orga	nics (DRO)	ND	14	mg/Kg	1	11/8/2	2022 12:21:25 PM	
Motor Oil Range Or	ganics (MRO)	ND	47	mg/Kg	1	11/8/2	2022 12:21:25 PM	
Surr: DNOP		99.5	21 - 129	%Rec	1	11/8/2	2022 12:21:25 PM	
BTEX/GRO/DRO EPA METHOD 80	SOIL 15D: GASOLINE RANG	E		SW8015	SW5	035	Analyst: <b>NSB</b>	
Gasoline Range Org	ganics (GRO)	ND	4.7	mg/Kg	1	11/7/2	022 7:59:20 PM	
Surr: BFB		86.2	37.7 - 212	%Rec	1	11/7/2	022 7:59:20 PM	
BTEX/GRO/DRO S EPA METHOD 802				SW8021	SW5035 Analyst: NSI		Analyst: <b>NSB</b>	
Benzene		ND	0.023	mg/Kg	1	11/7/2	022 7:59:20 PM	
Toluene		ND	0.047	mg/Kg	1	11/7/2	022 7:59:20 PM	
Ethylbenzene		ND	0.047	mg/Kg	1	11/7/2	022 7:59:20 PM	
Xylenes, Total		ND	0.094	mg/Kg	1	11/7/2	022 7:59:20 PM	

70 - 130

90.9

Qualifiers:

\*

D

Н

ND

PQL

S

%Rec

1

11/7/2022 7:59:20 PM



#### **Analytical Report**

(consolidated) WO#: 2211248 Date Reported: 11/11/2022

CLIENT:	R & R Environmental			<b>Collection Date:</b>	11/3/20	11/3/2022 10:55:00 AM		
Project:	Barry Miller							
Lab ID:	2211248-019			Matrix:	SOIL			
<b>Client Sample ID</b>	BG2							
Analyses		Result	RL Qual	Units	DF	Date A	nalyzed	
EPA METHOD 30	00.0: ANIONS	San to da single Broken		E300	Analyst: JTT		Analyst: <b>JTT</b>	
Chloride		ND	60	mg/Kg	20 11/9/2022 1:35:52		022 1:35:52 AM	
BTEX/GRO/DRO EPA METHOD 80	SOIL 15M/D: DIESEL RANGE	E ORGANI	cs	SW8015	Analyst: DGI		Analyst: DGH	
Diesel Range Orga	nics (DRO)	ND	15	mg/Kg	1	11/8/20	022 12:32:09 PM	
Motor Oil Range O	rganics (MRO)	54	50	mg/Kg	1	11/8/20	)22 12:32:09 PM	
Surr: DNOP		113	21 - 129	%Rec	1	11/8/20	022 12:32:09 PM	
BTEX/GRO/DRO EPA METHOD 80	SOIL 15D: GASOLINE RANG	E		SW8015	SW5	035	Analyst: <b>NSB</b>	
Gasoline Range Or	ganics (GRO)	ND	4.7	mg/Kg	1	11/7/20	022 8:22:58 PM	
Surr: BFB		86.0	37.7 - 212	%Rec	1	11/7/20	022 8:22:58 PM	
BTEX/GRO/DRO EPA METHOD 80				SW8021	SW5035 Analyst: NSB		Analyst: <b>NSB</b>	
Benzene		ND	0.024	mg/Kg	1	11/7/20	22 8:22:58 PM	
Toluene		ND	0.047	mg/Kg	1 11/7/2022 8:22:58 PM		22 8:22:58 PM	
Ethylbenzene		ND	0.047	mg/Kg	1	11/7/20	22 8:22:58 PM	
Xylenes, Total		ND	0.094	mg/Kg	1 11/7/2022 8:22:58 P		22 8:22:58 PM	
Surr: 4-Bromoflue	orobenzene	90.3	70 - 130	%Rec	1	11/7/20	22 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. S

Analyte detected in the associated Method Blank В

E Above Quantitation Range/Estimated Value

Analyte detected below quantitation limits J

Р Sample pH Not In Range RL

Reporting Limit



#### **Analytical Report**

(consolidated) WO#: 2211248 Date Reported: 11/11/2022

	DADE :							
CLIENT:	R & R Environmental				<b>Collection Date</b>	: 11/3/2	022 11:	00:00 AM
Project:	Barry Miller							
Lab ID:	2211248-020				Matrix	: SOIL		
Client Sample ID	BG3				,			
Analyses		Result	RL	Qual	Units	DF	Date	Analyzed
EPA METHOD 30	0.0: ANIONS				E300	Analyst: NA		Analyst: NAI
Chloride		ND	60		mg/Kg	20	11/9/	2022 5:31:10 PM
BTEX/GRO/DRO EPA METHOD 80	SOIL 15M/D: DIESEL RANGI	E ORGANI	cs		SW8015	Analyst: DGF		Analyst: DGH
Diesel Range Orga	nics (DRO)	ND	15		mg/Kg	1	1 11/8/2022 12	
Motor Oil Range Or	ganics (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 EPA METHOD 80	SOIL 15D: GASOLINE RANG	E			SW8015	SW5	035	Analyst: NSB
Gasoline Range Org	ganics (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 EPA METHOD 802					SW8021	SW5	SW5035 Analyst: NSB	
Benzene		ND	0.023		mg/Kg	1	11/7/2	2022 8:46:34 PM
Toluene		ND	0.047		mg/Kg	1	11/7/2	2022 8:46:34 PM
Ethylbenzene		ND	0.047		mg/Kg	1	11/7/2	2022 8:46:34 PM
Xylenes, Total		ND	0.094		mg/Kg	1	11/7/2	2022 8:46:34 PM
Surr: 4-Bromofluc	probenzene	89.6	70 - 130		%Rec	1	11/7/2	2022 8:46:34 PM

Analyte detected in the associated Method Blank Value exceeds Maximum Contaminant Level. **Qualifiers:** В D Sample Diluted Due to Matrix Ε Above Quantitation Range/Estimated Value Analyte detected below quantitation limits н Holding times for preparation or analysis exceeded J ND Not Detected at the Reporting Limit Р Sample pH Not In Range Reporting Limit PQL Practical Quanitative Limit RL S % Recovery outside of standard limits. If undiluted results may be estimated. Page 20 of 27



#### **Analytical Report**

(consolidated) WO#: 2211248 Date Reported: 11/11/2022

CLIENT:	R & R Environmental			<b>Collection Date:</b>	11/3/20	022 11:05:00 AM
Project:	Barry Miller					
Lab ID:	2211248-021			Matrix:	SOIL	
Client Sample ID	BG4					
Analyses		Result	RL Qual	Units	DF	Date Analyzed
EPA METHOD 300	0.0: ANIONS			E300	Analyst: NA	
Chloride		ND	60	mg/Kg	20	11/9/2022 6:08:22 PM
BTEX/GRO/DRO S EPA METHOD 801	OIL 5M/D: DIESEL RANGE		cs	SW8015	Analyst: DGF	
Diesel Range Organi	ics (DRO)	ND	15	mg/Kg	1	11/8/2022 12:53:38 PM
Motor Oil Range Org	anics (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 S EPA METHOD 801	OIL 5D: GASOLINE RANG	E		SW8015	SW5	035 Analyst: NSB
Gasoline Range Orga	anics (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 S EPA METHOD 802				SW8021	SW5035 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
				·		

0.092

70 - 130

mg/Kg

%Rec

ND

89.1

Value exceeds Maximum Contaminant Level.
 D Sample Diluted Due to Matrix

- D Sample Diluted Due to MatrixH Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

Xylenes, Total

Qualifiers:

Surr: 4-Bromofluorobenzene

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

B Analyte detected in the associated Method Blank

1

1

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

11/7/2022 9:10:05 PM

11/7/2022 9:10:05 PM

=

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

**Client:** R & R Environmental

Project:	Barr	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	2 SeqNo: 3321854 Units: mg/Kg
Analyte		Result PQL SPK v	value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
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	2 SeqNo: 3321855 Units: mg/Kg
Analyte		Result PQL SPK v	value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Chloride		14 1.5 15	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	2 SeqNo: 3321884 Units: mg/Kg
Analyte		Result PQL SPK v	value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
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	2 SeqNo: 3321885 Units: mg/Kg
Analyte		Result PQL SPK va	value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Chloride		14 1.5 15	5.00 0 93.7 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	2 SeqNo: 3323859 Units: mg/Kg

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 %R	PD RPDLimit Qual
Chloride	14 1.5 15.00	0 94.8 90 110	

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

Н Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit S

% Recovery outside of 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

RL Reporting Limit

Р

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11-Nov-22

#### **Client:** R & R Environmental

**Project:** Barry Miller

Sample ID: LCS-71298	SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics				
Client ID: LCSS	Batch ID: 71298	RunNo: 92379			
Prep Date: 11/4/2022	Analysis Date: 11/7/2022	SeqNo: 3320993	Units: mg/Kg		
Analyte	Result PQL SPK val	ue SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual		
Diesel Range Organics (DRO)	49 15 50.				
Surr: DNOP	5.8 5.0	00 117 21	129		
Sample ID: LCS-71310	SampType: LCS	TestCode: EPA Method	8015M/D: Diesel Range Organics		
Client ID: LCSS	Batch ID: 71310	RunNo: 92379			
Prep Date: 11/4/2022	Analysis Date: 11/8/2022	SeqNo: 3320994	Units: mg/Kg		
Analyte	Result PQL SPK val	ue SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual		
Diesel Range Organics (DRO)	44 15 50.	0 0 88.3 64.4	127		
Surr: DNOP	4.8 5.0	96.4 21	129		
Sample ID: MB-71298	SampType: MBLK	TestCode: EPA Method	8015M/D: Diesel Range Organics		
Client ID: PBS	Batch ID: 71298	RunNo: 92379			
Prep Date: 11/4/2022	Analysis Date: 11/7/2022	SeqNo: 3320995	Units: mg/Kg		
Analyte	Result PQL SPK val	ie SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual		
Diesel Range Organics (DRO)	ND 15				
Motor Oil Range Organics (MRO)	ND 50		100		
Surr: DNOP	10 10.0	0 103 21	129		
Sample ID: MB-71310	SampType: MBLK	TestCode: EPA Method	8015M/D: Diesel Range Organics		
Client ID: PBS	Batch ID: 71310	RunNo: 92379			
Prep Date: 11/4/2022	Analysis Date: 11/8/2022	SeqNo: 3320996	Units: mg/Kg		
Analyte	Result PQL SPK val	e SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual		
Diesel Range Organics (DRO)	ND 15				
Motor Oil Range Organics (MRO)	ND 50		400		
Surr: DNOP	8.7 10.0	0 87.0 21	129		

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 S

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

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

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11-Nov-22

2		_						WO#:	2211248
Hall Environment	al Analysis	Laborate	ory, Inc.						11-Nov-22
Client: R&RI	Environmental								
Project: Barry N							2		
Sample ID: mb-71306	SampType: N	IBLK	Те	stCode: E	PA Method	8015D: Gaso	line Range	9	
Client ID: PBS	Batch ID: 7	1306		RunNo: 9	2384				
Prep Date: 11/4/2022	Analysis Date:	1/7/2022		SeqNo: 3	319942	Units: mg/h	٢g		
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO) Surr: BFB	ND 5.0 860	) 1000		85.9	37.7	212			
Sample ID: Ics-71306	SampType: L	cs	Te	stCode: El	PA Method	8015D: Gaso	line Range	)	
Client ID: LCSS	Batch ID: 7	1306	1	RunNo: 9	2384				
Prep Date: 11/4/2022	Analysis Date:	1/7/2022	2	SeqNo: 3	319943	Units: mg/M	٢g		
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23 5.0		0	93.8	72.3	137			
Surr: BFB	1800	1000		183	37.7	212			
Sample ID: 2211248-015ams	SampType: M	S	Tes	stCode: El	PA Method	8015D: Gaso	line Range		
Client ID: SW2	Batch ID: 7	306	F	RunNo: 92	2384				
Prep Date: 11/4/2022	Analysis Date: 1	1/7/2022	:	SeqNo: 3	319945	Units: mg/K	ģ		
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	21 4.8		0	89.4	70	130 212			
Surr: BFB	1700	950.6		183	37.7	212			
Sample ID: 2211248-015amsc	SampType: M	SD	Tes	stCode: EF	PA Method	8015D: Gasol	line Range		
Client ID: SW2	Batch ID: 71	306	F	RunNo: 92	2384				
Prep Date: 11/4/2022	Analysis Date: 1	1/7/2022	5	SeqNo: 33	319946	Units: mg/K	g		
Analyte	Result PQL		SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO) Surr: BFB	21 4.7 1700	23.41 936.3	0	88.1 181	70 37.7	130 212	2.91 0	20 0	
	1700	930.3		101	57.7	212	0	0	
Sample ID: Ics-71295	SampType: LO					8015D: Gasol	ine Range		
Client ID: LCSS	Batch ID: 71			RunNo: 92					
Prep Date: 11/4/2022	Analysis Date: 1	1/7/2022	ę	SeqNo: 33	20729	Units: mg/K	g		
Analyte	Result PQL		SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO) Surr: BFB	23 5.0 2100	25.00 1000	0	93.3 206	72.3 37.7	137 212			
Sample ID: mb-71295	SampType: MI					8015D: Gasol	ine Range		
Client ID: PBS	Batch ID: 71			RunNo: 92		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
Prep Date: 11/4/2022	Analysis Date: 1	1/7/2022	S	SeqNo: 33	20730	Units: mg/K	g		
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

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

Qualifiers: \*

Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix

н Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit S

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

В Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value J

Sample pH Not In Range

Analyte detected below quantitation limits

RL Reporting Limit

Р

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

WO#: 2211248 Page 129 of 155

20	SUMMARY R	EPOR	1	
[all	<b>Environmental</b> A	Analysis	Laboratory,	Inc.

		-
Project:	Barry Miller	
Client:	R & R Environmental	

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:

- \* Value exceeds Maximum Contaminant Level. D
  - Sample Diluted Due to Matrix
- Holding times for preparation or analysis exceeded Not Detected at the Reporting Limit н
- ND PQL S 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 В E
- J
- Р
- RL

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No. of Contract of			

#### **Client:** R & R Environmental

**Project:** Barry Miller

Sample ID:	mb-71306	Samp	Туре: МІ	BLK	Tes	stCode: El	PA Method	8021B: Volat	iles		
Client ID:	PBS	Batch ID: 71306		1	RunNo: 92384						
Prep Date:	11/4/2022	Analysis	Date: 1	1/7/2022		SeqNo: 3	319981	Units: mg/k	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	6	ND	0.025		1999 - Haran H						
Toluene		ND	0.050								
Ethylbenzene		ND	0.050								
Kylenes, Total		ND	0.10								
Surr: 4-Bromo	ofluorobenzene	0.90		1.000		90.4	70	130			
Sample ID:	LCS-71306	Samp	Гуре: LC	S	Tes	stCode: El	PA Method	8021B: Volat	iles		
Client ID:	LCSS	Batc	h ID: 71:	306	F	RunNo: 9	2384				
Prep Date:	11/4/2022	Analysis I	Date: 11	/7/2022	:	SeqNo: 3	319982	Units: mg/K	g		
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			
oluene		0.99	0.050	1.000	0	98.6	80	120			
Ethylbenzene		0.98	0.050	1.000	0	98.1	80	120			
(ylenes, Total		3.0	0.10	3.000	0	98.9	80	120			
Surr: 4-Bromo	ofluorobenzene	0.95		1.000		94.5	70	130			
Sample ID: 2	2211248-016ams	Samp	ype: MS	1	Tes	tCode: EF	PA Method	8021B: Volati	les		
Client ID:	SW3	Batc	n ID: 713	06	F	RunNo: 92	2384				
Prep Date:	11/4/2022	Analysis D	Date: 11	17/2022	5	SeqNo: 33	319985	Units: mg/K	g		
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			
oluene		0.90	0.050	0.9960	0.01426	89.3	73.6	124			
thylbenzene		0.91	0.050	0.9960	0	91.0	72.7	129			
ylenes, Total		2.7	0.10	2.988	0.01895	91.0	75.7	126			
Surr: 4-Bromo	fluorobenzene	0.90		0.9960		90.8	70	130			
Sample ID: 2	2211248-016amsd	SampT	ype: MS	D	Tes	tCode: EF	A Method	8021B: Volati	les		
Client ID: S	SW3	Batch	n ID: 713	06	F	RunNo: 92	384				
Prep Date:	11/4/2022	Analysis D	ate: 11	7/2022	S	SeqNo: 33	19986	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
enzene		0.82	0.025	0.9862	0	83.6	68,8	120	3.58	20	
on Lono		0.91	0.049	0.9862	0.01426	90.7	73.6	124	0.539	20	
			0.040	0.9862	0	92.9	72.7	129	1.12	20	
oluene		0.92	0.049	0.3002	•						
oluene thylbenzene ylenes, Total		0.92 2.8	0.049	2.959	0.01895	93.8	75.7	126	1.99	20	

Н

Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix

Holding times for preparation or analysis exceeded

Analyte detected in the associated Method Blank В Above Quantitation Range/Estimated Value Analyte detected below quantitation limits

E

- J
- Р Sample pH Not In Range
- RL Reporting Limit

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ND Not Detected at the Reporting Limit PQL Practical Quanitative Limit S

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

WO#: 2211248

11-Nov-22

Client:R & RProject:Barry	Environmen Miller	ital								
Sample ID: Ics-71295	Samp	Type: LC	S	Tes	tCode: EF	PA Method	8021B: Volati	les		
Client ID: LCSS	Batc	h ID: 712	295	F	RunNo: 92	2401				
Prep Date: 11/4/2022	Analysis [	Date: 11	/7/2022	S	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: MB	LK	Tes	Code: EP	A Method	8021B: Volati	les		
Client ID: PBS	Batch	ID: 712	95	R	unNo: 92	401				
Prep Date: 11/4/2022	Analysis D	ate: 11	/7/2022	S	eqNo: 33	20757	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

0.025

0.050

0.050

0.10

1.000

ND

ND

ND

ND

1.7

Benzene

Toluene

Ethylbenzene

Xylenes, Total

Surr: 4-Bromofluorobenzene

Value avcoade Mavimum

- Value exceeds Maximum Contaminant Level.
   Sample Diluted Due to Matrix
- 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.
- B Analyte detected in the associated Method Blank

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

Page 27 of 27

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WO#: 2211248

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11-Nov-22

Received by OCD: 12/16/2022 9:25:36 AM Part of the pa

HALL ENVIRONMENT ANALYSIS LABORATORY	AL	TEL: 505-345-	ental Analysis Lab 4901 Haw Albuquerque, NN 3975 FAX: 505-34 ww.hallenvironmen	kins NE 187109 <b>Sar</b> 15-4107	nple Log-In Ch	eck List
Client Name: R & R Env	vironmental	Work Order Nun	nber: 2211248		RcptNo: 1	
	sarrubias sarrubias	11/4/2022 7:30:00 11/4/2022 7:45:38				
Chain of Custody 1. Is Chain of Custody comp 2. How was the sample delive	plete?		Yes 🗹 <u>Courier</u>	No 🗌	Not Present	
Log In 3. Was an attempt made to	cool the samples?		Yes 🗹	No 🗌	NA 🗌	
4. Were all samples received	d at a temperature of	of >0° C to 6.0°C	Yes 🗹	No 🗌	NA 🗌	
5. Sample(s) in proper conta	iner(s)?		Yes 🗹	No 🗌		
6. Sufficient sample volume			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 will	h headspace <1/4"	for AQ VOA?	Yes 🗌	No 🗌	NA 🔽	
10. Were any sample containe	ars received broker	1?	Yes	No 🗹	# of preserved	
11. Does paperwork match bo (Note discrepancies on cha			Yes 🔽	No 🗌	bottles checked for pH: (<2 or 12	2 unless noted)
12. Are matrices correctly iden	tified on Chain of C	Custody?	Yes 🗹	No 🗌	Adjusted?	
13. Is it clear what analyses w	ere requested?		Yes 🗹	No 🗌		KPG 11.4.20
14. Were all holding times able (If no, notify customer for a			Yes 🗹	No 🗌	Checked by: KP(	11.4.20
Special Handling (if app	licable					11 1 00
15. Was client notified of all d		is order?	Yes 🗌	No 🗌		
Person Notified:		Date	: 1			
By Whom:		Via:	, eMail	Phone 🔲 Fax	In Person	
Regarding:		en werdent wieder wieden met mehr mit mit eine staat en met werden met werden staat werden staat werden.	godi astrobili gondu se bellana na disuna kana kana ka		processing and a second s	
Client Instructions:		na na mana ana ana ana ana ana ana ana a	la di serina di serin deveni da baban de serin da sur	water an any official and the second strategy and the second	naar de nation men an indenset e novembra en verste ander en verste de service de service de service de service	
16. Additional remarks:						
17. <u>Cooler Information</u> Cooler No Temp °C	Condition Sea	al Intact   Seal No	Seal Date	Signed By		
1 4.5	Good Yes	Courre		originate by		
Algeneration of the second	· · · · · · · · · · · · · · · · · · ·	1		**************************************		a

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	-		Project Name:							010		N N N	AMALISIS LABURALUKY	
Mailing Address	1. 1	Green	harred,	11/10/1		4	4901 Hawkins NF	www wkine N	alle		www.hallenvironmental.com	environmental.com		
Car	Jones Ruch		Project #	1			Tel 505-345-3075	345.21	· ,,	anhnai	idue, M	NI 07 109		
Phone #: /5.25	515/0	N. UDE	······································	כ					Ana	Ivsis F	Analvsis Request	1014		
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	-		Polor Tomo.		K		pioi							
			COULER 1 BITI P(Including CF):		10-) 1+ -1-0		nsə.							
Date Time	ne Matrix	Sample Name	Container Pri Type and # Tv	Preservative Tyme	HEAL No.	X3T8 8:H9	9 F80	) 80: sHA	ARA CRA	) 092	270 (S			
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as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report. Sel d'Y-

#### HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

November 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,

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

andy

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.

Analyses		Result	<b>RL Oual</b> Units	DF Date Analyzed	Batch
Lab ID:	2211795-001	Matrix: SOIL	Received Dat	te: 11/15/2022 7:30:00 AM	M
<b>Project:</b>	Barry Miller Booster Station		<b>Collection Dat</b>	te: 11/11/2022 1:40:00 PN	Л
CLIENT:	R & R Environmental		Client Sample I	<b>D:</b> S-4B 2.5'	

			and the second se	
ND	60	mg/Kg	20	Analyst: JTT 11/18/2022 12:46:10 AM 71580
GANICS				Analyst: DGH
ND	14	mg/Kg	1	11/17/2022 12:11:11 PM 71561
ND	47	mg/Kg	1	11/17/2022 12:11:11 PM 71561
102	21-129	%Rec	1	11/17/2022 12:11:11 PM 71561
				Analyst: NSB
ND	4.9	mg/Kg	1	11/16/2022 4:48:30 PM 71521
91.4	37.7-212	%Rec	1	11/16/2022 4:48:30 PM 71521
				Analyst: NSB
ND	0.025	mg/Kg	1	11/16/2022 4:48:30 PM 71521
ND	0.049	mg/Kg	1	11/16/2022 4:48:30 PM 71521
ND	0.049	mg/Kg	1	11/16/2022 4:48:30 PM 71521
ND	0.099	mg/Kg	1	11/16/2022 4:48:30 PM 71521
95.3	70-130	%Rec	1	11/16/2022 4:48:30 PM 71521
	GANICS ND 102 ND 91.4 ND ND ND ND ND	ND         14           ND         14           ND         47           102         21-129           ND         4.9           91.4         37.7-212           ND         0.025           ND         0.049           ND         0.049           ND         0.099	ND         14         mg/Kg           ND         47         mg/Kg           102         21-129         %Rec           ND         4.9         mg/Kg           91.4         37.7-212         %Rec           ND         0.025         mg/Kg           ND         0.049         mg/Kg           ND         0.099         mg/Kg	Second

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

Qualifiers: \* Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

- н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit

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

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

Page 1 of 7

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**Analytical Report** 

#### Hall Environmental Analysis Laboratory, Inc.

Surr: 4-Bromofluorobenzene

Lab Order 2211795 Date Reported: 11/22/2022

11/16/2022 5:58:56 PM 71521

CLIENT:	R & R Environmental		C	lient Sa	imple II	D: S-	16B 2.5'	
<b>Project:</b>	Barry Miller Booster Station		(	Collect	ion Dat	e: 11.	/11/2022 1:50:00 PM	
Lab ID:	2211795-002	Matrix: SOIL		Receiv	ved Dat	e: 11	/15/2022 7:30:00 AM	
Analyses		Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA MET	HOD 300.0: ANIONS						Analyst	: JTT
Chloride		130	60		mg/Kg	20	11/18/2022 1:48:12 AM	71580
EPA MET	HOD 8015M/D: DIESEL RANGE	ORGANICS					Analyst	DGH
Diesel Ra	ange Organics (DRO)	ND	15		mg/Kg	1	11/17/2022 12:21:47 PI	M 71561
Motor Oil	Range Organics (MRO)	ND	50		mg/Kg	1	11/17/2022 12:21:47 PM	M 71561
Surr: D	DNOP	84.6	21-129		%Rec	1	11/17/2022 12:21:47 PM	A 71561
EPA MET	HOD 8015D: GASOLINE RANGE						Analyst	NSB
Gasoline	Range Organics (GRO)	ND	4.9		mg/Kg	1	11/16/2022 5:58:56 PM	71521
Surr: B	BFB	92.3	37.7-212		%Rec	1	11/16/2022 5:58:56 PM	71521
EPA MET	HOD 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
Ethylbenz	zene	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

95.9

70-130

%Rec

1

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

	-				
<b>Oualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	в	Analyte detected in the associated Method Blank	
×	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value	
	н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range	D 2 . 67
	PQL	Practical Quanitative Limit	RL	Reporting Limit	Page 2 of 7
	S	% Recovery outside of standard limits. If undiluted results may be estimated.			

**Analytical Report** 

#### Hall Environmental Analysis Laboratory, Inc.

Surr: 4-Bromofluorobenzene

Lab Order 2211795 Date Reported: 11/22/2022

11/16/2022 6:22:25 PM 71521

	· · · · · · · · · · · · · · · · · · ·						
CLIENT:	R & R Environmental		C	lient Sample II	D: S-	19B 2.5'	
<b>Project:</b>	Barry Miller Booster Station		(	<b>Collection Dat</b>	e: 11	/11/2022 1:55:00 PM	
Lab ID:	2211795-003	Matrix: SOIL		<b>Received Dat</b>	e: 11	/15/2022 7:30:00 AM	
Analyses		Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA MET	THOD 300.0: ANIONS					Analyst:	JTT
Chloride		290	60	mg/Kg	20	11/18/2022 2:00:36 AM	71580
EPA MET	HOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst:	DGH
Diesel Ra	ange Organics (DRO)	ND	14	mg/Kg	1	11/17/2022 12:32:23 PM	171561
Motor Oi	I Range Organics (MRO)	ND	47	mg/Kg	1	11/17/2022 12:32:23 PM	71561
Surr: D	DNOP	84.8	21-129	%Rec	1	11/17/2022 12:32:23 PM	71561
EPA MET	HOD 8015D: GASOLINE RANGE					Analyst:	NSB
Gasoline	Range Organics (GRO)	ND	4.9	mg/Kg	1	11/16/2022 6:22:25 PM	71521
Surr: E	3FB	92.1	37.7-212	%Rec	1	11/16/2022 6:22:25 PM	71521
EPA MET	HOD 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
Ethylbenz	zene	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

96.7

70-130

%Rec

1

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	в	Analyte detected in the associated Method Blank	
•	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value	
	н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range	Dece 2 of 7
	PQL	Practical Quanitative Limit	RL	Reporting Limit	Page 3 of 7
	S	% Recovery outside of standard limits. If undiluted results may be estimated.			

WO#: 2211795

22-Nov-22

#### **Client:** R & R Environmental

5 5 5	Called Sector Sector Control of Sector
Project:	Barry Miller Booster Station

			and the second	
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	Units: mg/Kg	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Chloride	ND 1.5			
Sample ID: LCS-71580	SampType: LCS	TestCode: EPA Method	300.0: Anions	
Client ID: LCSS	Batch ID: 71580	RunNo: 92686		
Prep Date: 11/17/2022	Analysis Date: 11/17/2022	SeqNo: 3334967	Units: mg/Kg	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Chloride	14 1.5 15.00	0 95.8 90	110	
Sample ID: LCS-71580	SampType: LCS	TestCode: EPA Method	300.0: Anions	
Client ID: LCSS	Batch ID: 71580	RunNo: 92726		
Prep Date: 11/17/2022	Analysis Date: 11/18/2022	SeqNo: 3337110	Units: mg/Kg	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Chloride	14 1.5 15.00	0 95.5 90	110	

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

Page 4 of 7

WO#: 2211795

22-Nov-22

	Environmen Iiller Booste		on							4
Sample ID: LCS-71561	SampT	ype: LC	s	Tes	tCode: E	PA Method	8015M/D: Di	esel Rang	e Organics	
Client ID: LCSS	Batch	n ID: 71	561	F	RunNo: 9	2653				
Prep Date: 11/17/2022	Analysis D	ate: 1	1/17/2022	5	SeqNo: 3	333143	Units: <b>mg/h</b>	٢g		
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	e	99.5	21	129			
Sample ID: MB-71561	SampT	ype: ME	BLK	Tes	tCode: El	PA Method	8015M/D: Di	esel Rang	e Organics	
Client ID: PBS	Batch	ID: 71	561	F	RunNo: 9	2653				
Prep Date: 11/17/2022	Analysis D	ate: 11	1/17/2022	S	SeqNo: 3	333145	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	9.3		10.00		93.1	21	129			

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c				

- 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 S
  - % 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
- Р Sample pH Not In Range
- RL Reporting Limit

Page 5 of 7

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

**Client:** R & R Environmental Willer Rooster Stati D . . . n

Project: Barry M	iller Booste	J Diane								
Sample ID: mb-71521	SampT	ype: ME	BLK	TestCode: EPA Method 8015D: Gasoline Range						
Client ID: PBS	Batch	n ID: 71	521	F	RunNo: 92	2616				
Prep Date: 11/15/2022	Analysis D	ate: 11	/16/2022	S	SeqNo: 3	332067	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	j j i j					37.7	212			
				TestCode: EPA Method 8015D: Gasoline Range						and the second sec
Sample ID: Ics-71521	SampT	ype: LC	S	Tes	tCode: EF	PA Method	8015D: Gaso	line Rang	8	
Sample ID: Ics-71521 Client ID: LCSS		ype: LC			tCode: EF		8015D: Gaso	line Rang	e	
		D: 71	521	F		2616	8015D: Gaso Units: mg/K	un de la companya de	e	
Client ID: LCSS	Batch	D: 71	521 /16/2022	F	tunNo: 92	2616		un de la companya de	e RPDLimit	Qual
Client ID: LCSS Prep Date: 11/15/2022	Batch Analysis D	D: 71:	521 /16/2022	F	kunNo: 92 SeqNo: 33	2616 332068	Units: mg/K	g		Qual

Qualifiers:

S

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

Value exceeds Maximum Contaminant Level.

Sample Diluted Due to Matrix D

Holding times for preparation or analysis exceeded н

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
- E
- Analyte detected below quantitation limits J
- Р Sample pH Not In Range
- Reporting Limit RL

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22-Nov-22

WO#:	2211795

22-Nov-22

	Environme									
Project: Barry N	Miller Boos	ter Statio	on							
Sample ID: mb-71521	Samp	Type: MI	BLK	Te	stCode: E	PA Method	8021B: Vola	tiles		
Client ID: PBS	Bat	ch ID: 71	521		RunNo: 9	2616				
Prep Date: 11/15/2022	Analysis	Date: 1	1/16/2022		SeqNo: 3	332113	Units: mg/l	Kg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.98		1.000		97.5	70	130			
Sample ID: LCS-71521	Samp	Type: LC	S	Tes	stCode: El	PA Method	8021B: Vola	tiles		
Client ID: LCSS	Bato	h ID: 71	521	I	RunNo: 9	2616				
Prep Date: 11/15/2022	Analysis	Date: 11	1/16/2022	:	SeqNo: 3	332114	Units: mg/H	٢g		
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			
Sample ID: 2211795-001ams	s Samp	Type: MS	;	Tes	tCode: El	PA Method	8021B: Vola	tiles		
Client ID: S-4B 2.5'	Batc	h ID: 71	521	F	RunNo: 9	2616				
Prep Date: 11/15/2022	Analysis I	Date: 11	/16/2022	5	SeqNo: 3	332116	Units: mg/k	٢g		
Analyte	Result	PQL		SPK Ref Val		LowLimit	HighLimit	%RPD	RPDLimit	Qual
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: 2211795-001ams	d Samp	Type: MS	D	Tes	tCode: EF	PA Method	8021B: Volat	tiles		
Client ID: S-4B 2.5'	Batc	h ID: 715	21	F	RunNo: 92	2616				
Prep Date: 11/15/2022	Analysis E	Date: 11	/16/2022	5	SeqNo: 33	332117	Units: mg/K	g		
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
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	
Qualifiers:										
<ul> <li>Value exceeds Maximum Contamina</li> <li>D Sample Diluted Due to Matrix</li> </ul>	ant Level.			100 and		sociated Method e/Estimated Value				

Н

ND

Holding times for preparation or analysis exceeded

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

Not Detected at the Reporting Limit

Practical Quanitative Limit

Analyte detected below quantitation limits J Р Sample pH Not In Range

RL Reporting Limit

HALL ENVIRONM ANALYSIS LABORATO		Hall Environmo TEL: 505-345- Website: www	490 Albuquerq 3975 FAX:	1 Hawkins ue, NM 871 505-345-41	NE 109 Sa 107	mple Log-In (	Check List
Client Name: R & F	R Environmental	Work Order Nun	nber: 2211	795		RcptN	p: 1
Received By: Juan	n Rojas	11/15/2022 7:30:0	0 AM		i fuanca g	2	
Completed By: Sear	n Livingston	11/15/2022 8:16:5	0 AM		Sal	not	
Reviewed By:	11.15	23					
Chain of Custody							
1. Is Chain of Custody	complete?		Yes	$\checkmark$	No 🗌	Not Present	
2. How was the sample	e delivered?		Cour	ier			
Log In 3. Was an attempt mad	de to cool the samples?		Yes		No 🗌	NA 🗌	
4. Were all samples rec	eived 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 volu	ume for indicated test(s)?		Yes	$\checkmark$	No 🗌		
7. Are samples (except	VOA and ONG) properly	preserved?	Yes	$\checkmark$	No 🗌		
8. Was preservative add	ded to bottles?		Yes		No 🗹	NA 🗌	
9. Received at least 1 vi	al with headspace <1/4" f	or AQ VOA?	Yes		No 🗌	NA 🗹	
10. Were any sample co	ntainers received broken?		Yes		No 🗹	# of preserved	
11. Does paperwork mate (Note discrepancies o			Yes		No 🗌	bottles checked for pH:	r >12 unless noted)
12. Are matrices correctly	identified on Chain of Cu	istody?	Yes		No 🗌	Adjusted?	
13. Is it clear what analys	es were requested?		Yes		No 🗌		
14. Were all holding times (If no, notify customer			Yes		No 🗌	Checked by:	JU11/15/22
Special Handling (if	applicable)						
15. Was client notified of		s order?	Yes		No 🗌	NA 🗹	
Person Notified		Date:	ľ				
By Whom:		Via:	🗌 eMai	I 🗌 Pho	ne 🗌 Fax	In Person	
Regarding:			and an a second				
Client Instructio	ns:						and the second sec
16. Additional remarks:							
17. <u>Cooler Information</u> Cooler No Tem i1 0.3	p °C Condition Seal	Intact Seal No	Seal Dat	e Si	gned By	Province and a second se	

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R     Environment     Standard	Diosed Anonono-in-illipino				
Project Name:       Project Name: $M/4$ , $R2$ , $D_0/1/a_c$ ) $B_{acrcy}$ , $H_1/L_c$ , $B_{aas}Y_c$ , $S_1^2, I_{abc}$ $S = 6[6 - q_3 q_4)$ $3 0 0 0 0$ , $0 q_5$ $S = 6[6 - q_3 q_4)$ $3 0 0 0 0$ , $0 q_5$ $R_{en} e_0$ $T = 10 0$ $R_{en} e_0$ $T = 10 0$ $R = 0$ $R = 1/4$	RER				AL ENVIRONMENTAL
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	Y			Tel. 505-345-36	
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Image: Source Action     Image: Ac		Y		S'B's	
Image: Contrainer Reservative     Preservative     HEAL No.       Matrix     Sample Name     Type and #     Type       Soi: I     S-4B     2.5     Container     Preservative       Soi: I     S-4B     2.5     Container     Container       Soi: I     S-4B     2.5     Container     Preservative       Soi: I     Soi: I     Soi: I     X     The Interestive       Soi: I     Soi: I     Soi: I     X     Extreme       Soi: I     Soi: I     Soi: I     X     Soi: I       Soi: I     Soi: I     Soi: I     X     Soi: I       Soi: I     Soi: I     Soi: I     Soi:	Az Cor	Sampler: 5.	\$	ר סאכ ו 1.1) 1.1)	(
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Matrix     Sample Name     Container     Preservative     HEAL No.       5si     5-19     3.5     6(£5 Åer/l)     Xec/Los l     0.01     X     80681 Pessor       5si     5-19     3.5     6(£5 Åer/l)     Xec/Los l     0.00     X     80681 Pessor       5-19     3.5     6(£5 Åer/l)     Xec/Los l     0.00     X     80681 Pessor       5-19     3.5     6(£5 Åer/l)     Xec/Los l     0.00     X     80681 Pessor       6     3-5     6(£5 Åer/l)     Xec/Los l     0.00     X     80681 Pessor       6     3-5     6(£5 Åer/l)     Xec/Los l     0.00     X     80681 Pessor       6     3-15     7     1     0.00     1     X       8061     7     1     0.00     1     X       8061     8.1     1     0.00     1     X       8061     8.1     1     0.00     1     X       8061     1     1     1     1     1       8061     1     1     1     1     1       8061     1     1     1     1     1       8061     1     1     1     1     1        8061     1		# of Coolers: \ Cooler Temp/including CFV:	2401.2 (	thod bioit	ол (Ас V-im
Matrix         Sample Name         Type and #         Type         Z         I         Pi         805           50:1         5.4         3.5         5/6         3.5         5/6         1         X         2001         201         X         201         201         201         201         201         201         201         201         201         201				2108: 299 29M)	, Br, (VO (VO
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1     5-198     2.5'     1     302     1     1       5-198     2.5'     1     1     307     1     1       6     1     1     1     1     1     1       7     1     1     1     1     1     1       8     1     1     1     1     1     1       1     1     1     1     1     1     1       1     1     1     1     1     1     1       1     1     1     1     1     1     1       1     1     1     1     1     1     1       1     1     1     1     1     1     1       1     1     1     1     1     1     1       1     1     1     1     1     1     1       1     1     1     1     1     1     1       1     1     1     1     1     1     1       1     1     1     1     1     1     1       1     1     1     1     1     1     1	5-48			×	
5-198     2.5'     303     1     1       6     1     1     1     1     1       1     1     1     1     1     1       1     1     1     1     1     1       1     1     1     1     1     1       1     1     1     1     1     1       1     1     1     1     1     1       1     1     1     1     1     1       1     1     1     1     1     1       1     1     1     1     1     1       1     1     1     1     1     1       1     1     1     1     1     1       1     1     1     1     1     1       1     1     1     1     1     1       1     1     1     1     1     1       1     1     1     1     1     1       1     1     1     1     1     1       1     1     1     1     1     1       1     1     1     1     1     1       1     1     1	1 5-168		200		
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#### HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

November 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

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

**Analytical Report** Lab Order 2211797

#### Hall Environmental Analysis Laboratory, Inc.

Date Reported: 11/22/2022 **Client Sample ID: SW1A** 

CLIENT:	R & R Environmental		Cl	ient Sample II	): SV	W1A
<b>Project:</b>	Barry Miller Booster Station		(	Collection Dat	e: 11	/11/2022 2:10:00 PM
Lab ID:	2211797-001	Matrix: SOIL		<b>Received Dat</b>	e: 11	/15/2022 7:30:00 AM
Analyses		Result	RL	Qual Units	DF	Date Analyzed Batch
EPA MET	THOD 300.0: ANIONS					Analyst: JTT
Chloride		ND	60	mg/Kg	20	11/18/2022 2:13:00 AM 71580
EPA MET	HOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: DGH
Diesel Ra	ange Organics (DRO)	ND	14	mg/Kg	1	11/17/2022 12:43:10 PM 71561
Motor Oi	I Range Organics (MRO)	ND	46	mg/Kg	1	11/17/2022 12:43:10 PM 71561
Surr: D	DNOP	93.5	21-129	%Rec	1	11/17/2022 12:43:10 PM 71561
EPA MET	HOD 8015D: GASOLINE RANGE	E				Analyst: NSB
Gasoline	Range Organics (GRO)	ND	4.9	mg/Kg	1	11/16/2022 6:45:59 PM 71521
Surr: E	3FB	90.9	37.7-212	%Rec	1	11/16/2022 6:45:59 PM 71521
EPA MET	HOD 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
Ethylben	zene	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.

- 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. S
- Analyte detected in the associated Method Blank В Е Above Quantitation Range/Estimated Value
- Analyte detected below quantitation limits J
- Sample pH Not In Range Р
- RL Reporting Limit

Page 1 of 5

Result

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PQL

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15.00

WO#: 2211797

Qual

Qual

Qual

RPDLimit

%RPD

HighLimit

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90

22-Nov-22

Client: Project:		vironment ller Booste		on						
Sample ID: ME Client ID: PB Prep Date: 1		SampTy Batch Analysis Da	ID: 71	580	F	tCode: E RunNo: 9 SeqNo: 3	2686	300.0: Anions Units: mg/Kg		
Analyte Chloride		Result ND	PQL 1.5		SPK Ref Val		LowLimit	HighLimit	%RPD	RPDLimit
Sample ID: LC Client ID: LC		SampTy	0.0					300.0: Anions	;	
	1/17/2022	Batch Analysis Da Result	ID: 71 ate: 1 <sup>-</sup> PQL	1/17/2022		RunNo: 9 SeqNo: 3 %REC		Units: <b>mg/K</b> g HighLimit	9 %RPD	RPDLimit
Prep Date: 1	1/17/2022	Analysis Da	ate: 1 <sup>4</sup> PQL 1.5	1/17/2022 SPK value 15.00	SPK Ref Val	SeqNo: 3 %REC 95.8	334967 LowLimit 90		%RPD	RPDLimit

SPK value SPK Ref Val %REC LowLimit

95.5

0

Analyte Chloride

S

#### **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.
- B Analyte detected in the associated Method Blank Above Quantitation Range/Estimated Value
- E
- Analyte detected below quantitation limits J
- Р Sample pH Not In Range Reporting Limit
- RL

Page 2 of 5

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

#### **Client:** R & R Environmental

**Project:** Barry Miller Booster Station

Sample ID: LCS-71561	SampT	ype: LC	s	Tes	TestCode: EPA Method 8015M/D: Diesel Range Organics					
Client ID: LCSS	Batch	1D: 71	561	F	RunNo: 9	2653				
Prep Date: 11/17/2022	Analysis D	ate: 11	1/17/2022	S	SeqNo: 3	333143	Units: mg/K	g		
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			
	the second s				and the second se					
Sample ID: MB-71561	SampT	ype: ME	BLK	Tes	tCode: EF	PA Method	8015M/D: Die	esel Range	e Organics	
Sample ID: MB-71561 Client ID: PBS		ype: <b>ME</b> ID: <b>71</b>			tCode: EF		8015M/D: Die	esel Range	e Organics	
Sectored and the sector set and the sector of the sector of		ID: 71	561	R		2653	8015M/D: Die Units: mg/K		e Organics	
Client ID: PBS	Batch	ID: 71	561 /17/2022	R	unNo: 92	2653			organics RPDLimit	Qual
Client ID: PBS Prep Date: 11/17/2022	Batch Analysis D	ID: 71: ate: 11	561 /17/2022	R	anNo: 92 SeqNo: 33	2653 333145	Units: <b>mg/K</b>	g	-	Qual
Client ID: PBS Prep Date: 11/17/2022 Analyte	Batch Analysis D Result	ID: 71: ate: 11	561 /17/2022	R	anNo: 92 SeqNo: 33	2653 333145	Units: <b>mg/K</b>	g	-	Qual

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- Value exceeds Maximum Contaminant Level. D
- Sample Diluted Due to Matrix
- Holding times for preparation or analysis exceeded
- H ND PQL 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 в Above Quantitation Range/Estimated Value Ε
- Analyte detected below quantitation limits Sample pH Not In Range
- J
- Р RL Reporting Limit

Page 3 of 5

WO#: 2211797

22-Nov-22

WO#: 2211797

22-Nov-22

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

Sample ID: mb-71521		ype: MI					8015D: Gaso	line Rang	e	
Client ID: PBS	Batcl	n ID: 71	521	F	RunNo: 9	2616				
Prep Date: 11/15/2022	Analysis D	)ate: 1	1/16/2022	5	SeqNo: 3	332067	Units: mg/k	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB						37.7	212			
			and the second	and the second se		The second s			and the second	
Sample ID: Ics-71521	SampT	ype: LC	S	Tes	tCode: El	PA Method	8015D: Gasc	line Rang	e	
Sample ID: Ics-71521 Client ID: LCSS		ype: LC			tCode: El		8015D: Gaso	line Rang	9	
		D: 71	521	F		2616	8015D: Gaso Units: mg/K		e	
Client ID: LCSS	Batch	D: 71	521  /16/2022	F	RunNo: 92 SeqNo: 33	2616			e RPDLimit	Qual
Client ID: LCSS Prep Date: 11/15/2022	Batch Analysis D	ID: 71: ate: 11	521  /16/2022	F	RunNo: 92 SeqNo: 33	2616 332068	Units: mg/K	íg		Qual

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

Page 4 of 5

#### **Client:** R & R Environmental

**Project:** Barry Miller Booster Station

Construction of the last descent structure and the second structure of the sec									and the second se	
Sample ID: mb-71521	Samp <sup>-</sup>	Гуре: МІ	BLK	Tes	tCode: El	PA Method	8021B: Volat	tiles		
Client ID: PBS	Batc	h ID: 71	521	F	RunNo: 9	2616				
Prep Date: 11/15/2022	Analysis [	Date: 1	1/16/2022	5	SeqNo: 3	332113	Units: mg/K	٢g		
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 SampType: LCS										
Sample ID: LCS-71521	SampT	ype: LC		Tes			8021B: Volat	iles		
Sample ID: LCS-71521 Client ID: LCSS		ype: LC	s			PA Method		iles		
		n ID: 71	S 521	F	tCode: Ef	PA Method 2616				
Client ID: LCSS	Batch	n ID: 71	S 521 1/16/2022	F	tCode: Ef	PA Method 2616	8021B: Volat		RPDLimit	Qual
Client ID: LCSS Prep Date: 11/15/2022 Analyte	Batch Analysis D	n ID: 71: Date: 11	S 521 1/16/2022	F	tCode: Ef RunNo: 92 SeqNo: 33	PA Method 2616 332114	8021B: Volat Units: mg/K	g	RPDLimit	Qual
Client ID: LCSS Prep Date: 11/15/2022 Analyte Benzene	Batch Analysis D Result	n ID: 71: Date: 11 PQL	S 521 //16/2022 SPK value	F S SPK Ref Val	tCode: Ef RunNo: 92 SeqNo: 3: %REC	PA Method 2616 332114 LowLimit	8021B: Volat Units: mg/K HighLimit	g	RPDLimit	Qual
Client ID: LCSS Prep Date: 11/15/2022 Analyte Benzene Toluene	Batch Analysis D Result 0.98	n ID: 71 Date: 11 PQL 0.025	S 521 1/16/2022 SPK value 1.000	F S SPK Ref Val 0	tCode: Ef RunNo: 92 SeqNo: 3: %REC 98.2	PA Method 2616 332114 LowLimit 80	8021B: Volat Units: mg/K HighLimit 120	g	RPDLimit	Qual
Client ID: LCSS Prep Date: 11/15/2022	Batch Analysis D Result 0.98 1.0	n ID: 71 Date: 11 PQL 0.025 0.050	<b>S</b> 521 1/16/2022 SPK value 1.000 1.000	F S SPK Ref Val 0 0	tCode: EF RunNo: 92 SeqNo: 33 %REC 98.2 100	PA Method 2616 332114 LowLimit 80 80	8021B: Volat Units: mg/K HighLimit 120 120	g	RPDLimit	Qual

Value exceeds Maximum Contaminant Level.

- Sample Diluted Due to Matrix
- Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit

PQL S 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 Sample pH Not In Range
- J
- Р RL

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WO#: 2211797

22-Nov-22

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Reporting Limit

ANAL	RONMENT YSIS RATORY	<b>FAL</b>		all Environm EL: 505-345- Website: 119	490 Albuquerq -3975 FAX:	I Hawkin ue, NM 8 505-345-4	s NE 7109 Sar 4107	nple Log-In (	Check List	
Client Name:	R&REn	vironmental	Work	k Order Nur	nber: 2211	797		RcptNc	p: 1	
Received By:	Juan Roj	ias	11/15/2	2022 7:30:0	00 AM		Guanca g	الع		
Completed By:	Sean Liv	ingston	11/15/2	2022 8:20:0	01 AM		Sal	izat		
Reviewed By:	KNG	11.15.2	58					v		
Chain of Cus	stody									
1. Is Chain of C	ustody com	plete?			Yes	$\checkmark$	No 🗌	Not Present		
2. How was the	sample deli	vered?			Cour	ier				
<u>Log In</u> 3. Was an atterr	npt made to	cool the samp	les?		Yes		No 🗌			
4. Were all samp	ples receive	d at a tempera	ture of >0° C	to 6.0°C	Yes		No 🗌	na 🗆		
5. Sample(s) in	proper conta	ainer(s)?			Yes		No 🗋			
6. Sufficient sam	ple volume	for indicated to	est(s)?		Yes	$\checkmark$	No 🗌			
7. Are samples (	except VOA	and ONG) pre	operly preserv	ed?	Yes	$\checkmark$	No 🗌			
8. Was preserva	tive added to	bottles?			Yes		No 🗹	na 🗔		
9. Received at le	ast 1 vial wi	th headspace	<1/4" for AQ \	/OA?	Yes		No 🗌	NA 🗹		
10. Were any san	nple contain	ers received b	roken?		Yes		No 🗹	# of preserved		
11. Does paperwo (Note discrepa			)		Yes		No 🗖		r >12 unless noted)	-
12. Are matrices c	correctly ider	ntified on Chai	n of Custody?		Yes	$\checkmark$	No 🗌	Adjusted?		17 - 19 - 19 - 19 - 19 - 19 - 19 - 19 -
13. Is it clear what	analyses w	ere requested	?			$\checkmark$	No 🗌		Junis	<i>~~</i>
14. Were all holdin (If no, notify cu	-				Yes	$\checkmark$	No 🗌	Checked by:	Jan1157	22
Special Handli	ing (if app	olicable)								
15. Was client not			with this order?	7	Yes		No 🗌	NA 🗹		
Person	Notified:	)	de anticidade para entradade das actualmentes	Date	:]	manGeterreitenten.	LAINL DRAFT MARKET			
By Who	m:	l		Via:	🗌 eMa	il 🗌 Pl	hone 🗌 Fax	In Person		
Regardi						i ya wa ya shu sa ƙasar Indonesian		Consequention and the second	0	
	structions:									
16. Additional ren										
17. Cooler Inform Cooler No	nation Temp ºC	Condition	Seal Intact	Conthin	Seal Da	to 1	Signed By			
1	0.3	Good	Seal Intact	Seal No	Seal Da	10	Signed by			
	-1 <sup>1</sup> -11-14-14-14-14-14-14-14-14-14-14-14-14-		1	īl	an a			1		

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

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of
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cet fo zet agni				a a	Ā	1el. 505-345-39/5 Fax 505-345-4107 Analysis Posicot	((	SW SB'2C SB,2 MBC	PO PPC	8082 • 8270 • 8270 • 8270	2,2,2,2,2,2,2,2,2,2,2,2,2,2,2,2,2,2,2,	sticic sticic 831 Met 831 Met 7 M (AC	20181 Pe 20181 Pe 20181 Pe 20181 Pe 20181 Pe 20181 Col 20181 Col 20181 Col 20181 Col							Remarks: ENLI results : AMESQ reconversel not	· "		f necessary, samples submitted to Hall Environmental may be subcontracted to other accredited taboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.
	Turn-Around Time:	□ Standard 🕅 Rush 3 δ <sub>ά.</sub>	Project Name:	Burre Willow Anaton LA.		3 0000 . 005	ger:	, ,	Janes Garnes	arnes and		(Including CF): 0.3-0-20.3 (°C)	tive HEAL No.	I The Ir mil						N 14 77 1 12.0	Time	A CUMIT INTO 2130	ntracted to other accredited laboratories. This serves as notice of this po
eceived by OCD: 17/10/2022 >.20:00 MM	hain-of-Custody Record	Client: RER Environmental		Mailing Address: 1505 W. Bulloc JC	88210		NUITANACHEL. ACT			Az Compliance     Other			Date Time Matrix Sample Name						10	-	Relinquished by:	"Itter 1900 CUMUUN	If necessary, samples submitted to Hall Environmental may be subco

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# Appendix VI

Seed Tag

o Intis Seed	BLM 2 - Barry Miller Booster Station Lot #: 2599 4.53									
Arris Social EROUSLY istlegrass, Variety Not Stated opseed, Variety Not Stated ovegrass, Bend Seed Mix tal .ter: .ed: 	% Mix         Origin         Purity           50.95%         Oklahoma 99.47%           24.39%         Colorado         98.63%           24.01%         Texas         99.85%           0.00%         99.35%         99.35%           0.63%         0.01%         0.01%	14 58%	95.00% 98.00% 98.00%	10/2022 5/2022 6/2022 7/2022						
T1 2 301	<sub>exas Permit.</sub> 772 ) North Prince, Clovis	Bagged into 1) pounds. NM 88101		4.526 bull 5) 762-47						

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

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

District III

1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

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

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

CONDITIONS

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

#### CONDITIONS

Created By	Condition	Condition Date
rhamlet	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

CONDITIONS

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Action 167725