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

Page 1 of 79

Revised August 24, 2018 Submit to appropriate OCD District office

Incident ID	NAPP2103945261
District RP	
Facility ID	
Application ID	

# **Release Notification**

# **Responsible Party**

Responsible Party E.G.L. Resources, Inc.	OGRID 173413
Contact Name Kelvin Fisher	Contact Telephone 432 687-6560
Contact email stateoilreports@satx.rr.com	Incident # (assigned by OCD) nAPP2103945261
Contact mailing address P. O. Box 10886 Midland, TX	79702

# **Location of Release Source**

Latitude 33.36415

Longitude -103.68186

(NAD 83 in decimal degrees to 5 decimal places)

Site Name Moore Devonian SWD	Site Type Salt Water Disposal
Date Release Discovered 1/26/2021	API# (if applicable) <b>30-025-00048</b>

Unit Letter	Section	Township	Range	County
1	14	11S	32E	Lea

Surface Owner: State Federal Tribal Private (Name: Benjamin Pearce

# **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) 20	Volume Recovered (bbls) 5
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	Ves 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

Corroded injection line broke near wellhead. This caused produced water to get on well pad

Page 2

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

# **Initial Response**

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

 $\checkmark$  The source of the release has been stopped.

 $\bigvee$  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:

There was no need for berms or containment devices. All free liquid was removed promptly with a vacuum truck. Later, 20 yards of contaminated dirt was removed and taken to a land farm.

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.

\_\_\_\_\_ <sub>Title:</sub> Agent

Printed Name: Linda Johnston

Signature:

email: stateoilreports@satx.rr.com

Linda Johnston \_\_\_\_\_ Date: 8/10/2021 Telephone: 830-964-5963

**OCD Only** 

Received by:

Ramona Marcus

Date: 9/20/2021

Oil Conservation Division

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Incident ID	NAPP2103945261	
District RP		
Facility ID		
Application ID		

# Site Assessment/Characterization

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

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

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

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

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

Laboratory data including chain of custody

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

•

<b>Received by OCD: 8/10/</b> Form C-141 Page 4	2021 12:00:12 AM State of New M Oil Conservation		Incident ID District RP Facility ID Application ID	NAPP210394520	61 61
regulations all operators a public health or the envir failed to adequately inves	formation given above is true and cor are required to report and/or file certain comment. The acceptance of a C-141 re tigate and remediate contamination th e of a C-141 report does not relieve the Johnston	n release notifications and perform port by the OCD does not relieve at pose a threat to groundwater, s	m corrective actions for i e the operator of liability urface water, human hea ompliance with any other	releases which may endang should their operations hav lth or the environment. In	ve
Signature: Lind	a Johnston	Date: 8/10/20			-
Signature: Lind	rts@satx.rr.com	Telephone: 830			
OCD Only Received by: Rame	ona Marcus	Date:	0/20/2021		

**Received by OCD: 8/10/2021 12:00:12 AM** Form C-141 State of New Mexico

Oil Conservation Division

	Page 5 of	<b>79</b>
Incident ID	NAPP2103945261	
District RP		
Facility ID		
Application ID		

# **Remediation Plan**

Remediation Plan Checklist: Each of the following items must be included in the plan.		
<ul> <li>Detailed description of proposed remediation technique</li> <li>Scaled sitemap with GPS coordinates showing delineation points</li> <li>Estimated volume of material to be remediated</li> <li>Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC</li> <li>Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)</li> </ul>		
<b><u>Deferral Requests Only</u></b> : Each of the following items must be con	firmed as part of any request for deferral of remediation.	
Contamination must be in areas immediately under or around pr deconstruction.	oduction equipment where remediation could cause a major facility	
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: Linda Johnston	Title: Agent	
Signature: Linda Johnston	Date: 8/10/2021	
email: stateoilreports@satx.rr.com	Telephone: 830-964-5963	
OCD Only		
Received by: Ramona Marcus	Date: <u>9/20/2021</u>	
Approved MApproved with Attached Conditions of A	Approval Denied Deferral Approved	
Signature: Child Hendy	Date: 09/20/2021	

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Incident ID	NAPP2103945261
District RP	
Facility ID	
Application ID	

# Closure

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

<b><u>Closure Report Attachment Checklist</u></b> : 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 OD	C District office must be notified 2 days prior to final sampling)						
Description of remediation activities							
and regulations all operators are required to report and/or file certa may endanger public health or the environment. The acceptance of should their operations have failed to adequately investigate and re- human health or the environment. In addition, OCD acceptance of compliance with any other federal, state, or local laws and/or regul restore, reclaim, and re-vegetate the impacted surface area to the or accordance with 19.15.29.13 NMAC including notification to the 0	lations. The responsible party acknowledges they must substantially onditions that existed prior to the release or their final land use in OCD when reclamation and re-vegetation are complete.						
Printed Name: Linda Johnston	Title: Agent						
Signature: Linda Johnston	Date:8/10/2021						
Signature: Linda Johnston email: stateoilreports@satx.rr.com	Telephone: 830-964-5963						
OCD Only							
Received by: Ramona Marcus	Date:9/20/2021						
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:						

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April 22, 2021

MONICA CERVANTS RHOMBUS P.O. BOX 627 LITTLETON, CO 80160

RE: JOHN H. MOORE SWD #3

Enclosed are the results of analyses for samples received by the laboratory on 04/20/21 14:40.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/qa/lab\_accred\_certif.html">www.tceq.texas.gov/field/qa/lab\_accred\_certif.html</a>.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



RHOMBUS MONICA CERVANTS P.O. BOX 627 LITTLETON CO, 80160 Fax To: (575) 392-6611

Received:	04/20/2021	Sampling Date:	04/20/2021
Reported:	04/22/2021	Sampling Type:	Soil
Project Name:	JOHN H. MOORE SWD #3	Sampling Condition:	Cool & Intact
Project Number:	2	Sample Received By:	Tamara Oldaker
Project Location:	33 DEG.,21'49.66'N,103 DEG. 40'54.79 'V		

# Sample ID: 042021 - A (H211003-01)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/21/2021	ND	2.21	111	2.00	2.25	
Toluene*	<0.050	0.050	04/21/2021	ND	2.13	107	2.00	2.28	
Ethylbenzene*	<0.050	0.050	04/21/2021	ND	2.11	105	2.00	2.29	
Total Xylenes*	<0.150	0.150	04/21/2021	ND	6.24	104	6.00	2.10	
Total BTEX	<0.300	0.300	04/21/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	100 \$	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	11500	16.0	04/22/2021	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/21/2021	ND	209	104	200	4.17	
DRO >C10-C28*	181	10.0	04/21/2021	ND	215	107	200	6.69	
EXT DRO >C28-C36	89.4	10.0	04/21/2021	ND					
Surrogate: 1-Chlorooctane	69.5	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	84.7	% 42.2-15	6						

#### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



RHOMBUS MONICA CERVANTS P.O. BOX 627 LITTLETON CO, 80160 Fax To: (575) 392-6611

Received:	04/20/2021	Sampling Date:	04/20/2021
Reported:	04/22/2021	Sampling Type:	Soil
Project Name:	JOHN H. MOORE SWD #3	Sampling Condition:	Cool & Intact
Project Number:	2	Sample Received By:	Tamara Oldaker
Project Location:	33 DEG.,21'49.66'N,103 DEG. 40'54.79 'V		

## Sample ID: 042021 - B (H211003-02)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/21/2021	ND	2.21	111	2.00	2.25	
Toluene*	<0.050	0.050	04/21/2021	ND	2.13	107	2.00	2.28	
Ethylbenzene*	<0.050	0.050	04/21/2021	ND	2.11	105	2.00	2.29	
Total Xylenes*	<0.150	0.150	04/21/2021	ND	6.24	104	6.00	2.10	
Total BTEX	<0.300	0.300	04/21/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3760	16.0	04/22/2021	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/21/2021	ND	209	104	200	4.17	
DRO >C10-C28*	58.3	10.0	04/21/2021	ND	215	107	200	6.69	
EXT DRO >C28-C36	20.5	10.0	04/21/2021	ND					
Surrogate: 1-Chlorooctane	72.1	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	76.5	% 42.2-15	6						

#### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



RHOMBUS MONICA CERVANTS P.O. BOX 627 LITTLETON CO, 80160 Fax To: (575) 392-6611

Received:	04/20/2021	Sampling Date:	04/20/2021
Reported:	04/22/2021	Sampling Type:	Soil
Project Name:	JOHN H. MOORE SWD #3	Sampling Condition:	Cool & Intact
Project Number:	2	Sample Received By:	Tamara Oldaker
Project Location:	33 DEG.,21'49.66'N,103 DEG. 40'54.79 'V		

## Sample ID: 042021 - C (H211003-03)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/21/2021	ND	2.17	108	2.00	1.46	
Toluene*	<0.050	0.050	04/21/2021	ND	2.16	108	2.00	1.97	
Ethylbenzene*	<0.050	0.050	04/21/2021	ND	2.15	107	2.00	1.27	
Total Xylenes*	<0.150	0.150	04/21/2021	ND	6.17	103	6.00	0.635	
Total BTEX	<0.300	0.300	04/21/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	91.1	% 73.3-12	9						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4800	16.0	04/22/2021	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/21/2021	ND	209	104	200	4.17	
DRO >C10-C28*	<10.0	10.0	04/21/2021	ND	215	107	200	6.69	
EXT DRO >C28-C36	<10.0	10.0	04/21/2021	ND					
Surrogate: 1-Chlorooctane	58.6	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	59.3	% 42.2-15	6						

#### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



RHOMBUS MONICA CERVANTS P.O. BOX 627 LITTLETON CO, 80160 Fax To: (575) 392-6611

Received:	04/20/2021	Sampling Date:	04/20/2021
Reported:	04/22/2021	Sampling Type:	Soil
Project Name:	JOHN H. MOORE SWD #3	Sampling Condition:	Cool & Intact
Project Number:	2	Sample Received By:	Tamara Oldaker
Project Location:	33 DEG.,21'49.66'N,103 DEG. 40'54.79 'V		

#### Sample ID: 042021 - D (H211003-04)

BTEX 8021B	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/21/2021	ND	2.17	108	2.00	1.46	
Toluene*	<0.050	0.050	04/21/2021	ND	2.16	108	2.00	1.97	
Ethylbenzene*	<0.050	0.050	04/21/2021	ND	2.15	107	2.00	1.27	
Total Xylenes*	<0.150	0.150	04/21/2021	ND	6.17	103	6.00	0.635	
Total BTEX	<0.300	0.300	04/21/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.4	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3280	16.0	04/22/2021	ND	416	104	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/21/2021	ND	209	104	200	4.17	
DRO >C10-C28*	<10.0	10.0	04/21/2021	ND	215	107	200	6.69	
EXT DRO >C28-C36	<10.0	10.0	04/21/2021	ND					
Surrogate: 1-Chlorooctane	65.2	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	65.0	% 42.2-15	6						

#### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



RHOMBUS MONICA CERVANTS P.O. BOX 627 LITTLETON CO, 80160 Fax To: (575) 392-6611

Received:	04/20/2021	Sampling Date:	04/20/2021
Reported:	04/22/2021	Sampling Type:	Soil
Project Name:	JOHN H. MOORE SWD #3	Sampling Condition:	Cool & Intact
Project Number:	2	Sample Received By:	Tamara Oldaker
Project Location:	33 DEG.,21'49.66'N,103 DEG. 40'54.79 'V		

#### Sample ID: 042021 - E (H211003-05)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/21/2021	ND	2.17	108	2.00	1.46	
Toluene*	<0.050	0.050	04/21/2021	ND	2.16	108	2.00	1.97	
Ethylbenzene*	<0.050	0.050	04/21/2021	ND	2.15	107	2.00	1.27	
Total Xylenes*	<0.150	0.150	04/21/2021	ND	6.17	103	6.00	0.635	
Total BTEX	<0.300	0.300	04/21/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	92.7	% 73.3-12	9						
Chloride, SM4500Cl-B	mg	/kg	Analyze	Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5040	16.0	04/22/2021	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/21/2021	ND	209	104	200	4.17	
DRO >C10-C28*	<10.0	10.0	04/21/2021	ND	215	107	200	6.69	
EXT DRO >C28-C36	<10.0	10.0	04/21/2021	ND					
Surrogate: 1-Chlorooctane	71.9	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	70.7	% 42.2-15	6						

#### Cardinal Laboratories

\*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



RHOMBUS MONICA CERVANTS P.O. BOX 627 LITTLETON CO, 80160 Fax To: (575) 392-6611

Received:	04/20/2021	Sampling Date:	04/20/2021
Reported:	04/22/2021	Sampling Type:	Soil
Project Name:	JOHN H. MOORE SWD #3	Sampling Condition:	Cool & Intact
Project Number:	2	Sample Received By:	Tamara Oldaker
Project Location:	33 DEG.,21'49.66'N,103 DEG. 40'54.79 'V		

#### Sample ID: 042021 - F (H211003-06)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/21/2021	ND	2.17	108	2.00	1.46	
Toluene*	<0.050	0.050	04/21/2021	ND	2.16	108	2.00	1.97	
Ethylbenzene*	<0.050	0.050	04/21/2021	ND	2.15	107	2.00	1.27	
Total Xylenes*	<0.150	0.150	04/21/2021	ND	6.17	103	6.00	0.635	
Total BTEX	<0.300	0.300	04/21/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	90.9	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3280	16.0	04/22/2021	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/21/2021	ND	209	104	200	4.17	
DRO >C10-C28*	<10.0	10.0	04/21/2021	ND	215	107	200	6.69	
EXT DRO >C28-C36	<10.0	10.0	04/21/2021	ND					
Surrogate: 1-Chlorooctane	76.7	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	75.9	% 42.2-15	6						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



RHOMBUS MONICA CERVANTS P.O. BOX 627 LITTLETON CO, 80160 Fax To: (575) 392-6611

Received:	04/20/2021	Sampling Date:	04/20/2021
Reported:	04/22/2021	Sampling Type:	Soil
Project Name:	JOHN H. MOORE SWD #3	Sampling Condition:	Cool & Intact
Project Number:	2	Sample Received By:	Tamara Oldaker
Project Location:	33 DEG.,21'49.66'N,103 DEG. 40'54.79 'V		

## Sample ID: 042021 - G (H211003-07)

BTEX 8021B	mg,	/kg	Analyze	d By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/21/2021	ND	2.17	108	2.00	1.46		
Toluene*	<0.050	0.050	04/21/2021	ND	2.16	108	2.00	1.97		
Ethylbenzene*	<0.050	0.050	04/21/2021	ND	2.15	107	2.00	1.27		
Total Xylenes*	<0.150	0.150	04/21/2021	ND	6.17	103	6.00	0.635		
Total BTEX	<0.300	0.300	04/21/2021	ND						
Surrogate: 4-Bromofluorobenzene (PID	92.4	% 73.3-12	9							
Chloride, SM4500Cl-B	mg	/kg	Analyze	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	560	16.0	04/22/2021	ND	416	104	400	0.00		
TPH 8015M	mg	/kg	Analyze	d By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	04/21/2021	ND	209	104	200	4.17		
DRO >C10-C28*	<10.0	10.0	04/21/2021	ND	215	107	200	6.69		
EXT DRO >C28-C36	<10.0	10.0	04/21/2021	ND						
Surrogate: 1-Chlorooctane	76.4	% 44.3-14	4							
Surrogate: 1-Chlorooctadecane	76.3	% 42.2-15	6							

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Celey D. Keene, Lab Director/Quality Manager



RHOMBUS MONICA CERVANTS P.O. BOX 627 LITTLETON CO, 80160 Fax To: (575) 392-6611

Received:	04/20/2021	Sampling Date:	04/20/2021
Reported:	04/22/2021	Sampling Type:	Soil
Project Name:	JOHN H. MOORE SWD #3	Sampling Condition:	Cool & Intact
Project Number:	2	Sample Received By:	Tamara Oldaker
Project Location:	33 DEG.,21'49.66'N,103 DEG. 40'54.79 'V		

#### Sample ID: 042021 - H (H211003-08)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/21/2021	ND	2.17	108	2.00	1.46	
Toluene*	<0.050	0.050	04/21/2021	ND	2.16	108	2.00	1.97	
Ethylbenzene*	<0.050	0.050	04/21/2021	ND	2.15	107	2.00	1.27	
Total Xylenes*	<0.150	0.150	04/21/2021	ND	6.17	103	6.00	0.635	
Total BTEX	<0.300	0.300	04/21/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	92.9	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8660	16.0	04/22/2021	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/21/2021	ND	209	104	200	4.17	
DRO >C10-C28*	<10.0	10.0	04/21/2021	ND	215	107	200	6.69	
EXT DRO >C28-C36	<10.0	10.0	04/21/2021	ND					
Surrogate: 1-Chlorooctane	79.5	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	80.2	% 42.2-15	6						

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Received:	04/20/2021	Sampling Date:	04/20/2021
Reported:	04/22/2021	Sampling Type:	Soil
Project Name:	JOHN H. MOORE SWD #3	Sampling Condition:	Cool & Intact
Project Number:	2	Sample Received By:	Tamara Oldaker
Project Location:	33 DEG.,21'49.66'N,103 DEG. 40'54.79 'V		

#### Sample ID: 042021 - I (H211003-09)

BTEX 8021B	mg/	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/21/2021	ND	2.17	108	2.00	1.46	
Toluene*	<0.050	0.050	04/21/2021	ND	2.16	108	2.00	1.97	
Ethylbenzene*	<0.050	0.050	04/21/2021	ND	2.15	107	2.00	1.27	
Total Xylenes*	<0.150	0.150	04/21/2021	ND	6.17	103	6.00	0.635	
Total BTEX	<0.300	0.300	04/21/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	93.2	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	04/22/2021	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/21/2021	ND	209	104	200	4.17	
DRO >C10-C28*	<10.0	10.0	04/21/2021	ND	215	107	200	6.69	
EXT DRO >C28-C36	<10.0	10.0	04/21/2021	ND					
Surrogate: 1-Chlorooctane	68.8	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	68.2	% 42.2-15	6						

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Received:	04/20/2021	Sampling Date:	04/20/2021
Reported:	04/22/2021	Sampling Type:	Soil
Project Name:	JOHN H. MOORE SWD #3	Sampling Condition:	Cool & Intact
Project Number:	2	Sample Received By:	Tamara Oldaker
Project Location:	33 DEG.,21'49.66'N,103 DEG. 40'54.79 'V		

## Sample ID: 042021 - J (H211003-10)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/21/2021	ND	2.17	108	2.00	1.46	
Toluene*	<0.050	0.050	04/21/2021	ND	2.16	108	2.00	1.97	
Ethylbenzene*	<0.050	0.050	04/21/2021	ND	2.15	107	2.00	1.27	
Total Xylenes*	<0.150	0.150	04/21/2021	ND	6.17	103	6.00	0.635	
Total BTEX	<0.300	0.300	04/21/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	91.5	% 73.3-12	9						
Chloride, SM4500Cl-B	mg	/kg	Analyze	Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	04/22/2021	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/21/2021	ND	211	106	200	3.65	
DRO >C10-C28*	<10.0	10.0	04/21/2021	ND	255	127	200	5.84	
EXT DRO >C28-C36	<10.0	10.0	04/21/2021	ND					
Surrogate: 1-Chlorooctane	86.9	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	88.3	% 42.2-15	6						

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Received:	04/20/2021	Sampling Date:	04/20/2021
Reported:	04/22/2021	Sampling Type:	Soil
Project Name:	JOHN H. MOORE SWD #3	Sampling Condition:	Cool & Intact
Project Number:	2	Sample Received By:	Tamara Oldaker
Project Location:	33 DEG.,21'49.66'N,103 DEG. 40'54.79 'V		

#### Sample ID: 042021 - K (H211003-11)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/21/2021	ND	2.17	108	2.00	1.46	
Toluene*	<0.050	0.050	04/21/2021	ND	2.16	108	2.00	1.97	
Ethylbenzene*	<0.050	0.050	04/21/2021	ND	2.15	107	2.00	1.27	
Total Xylenes*	<0.150	0.150	04/21/2021	ND	6.17	103	6.00	0.635	
Total BTEX	<0.300	0.300	04/21/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.1	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	04/22/2021	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS	IS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/21/2021	ND	211	106	200	3.65	
DRO >C10-C28*	<10.0	10.0	04/21/2021	ND	255	127	200	5.84	
EXT DRO >C28-C36	<10.0	10.0	04/21/2021	ND					
Surrogate: 1-Chlorooctane	88.4	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	89.3	% 42.2-15	6						

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Received:	04/20/2021	Sampling Date:	04/20/2021
Reported:	04/22/2021	Sampling Type:	Soil
Project Name:	JOHN H. MOORE SWD #3	Sampling Condition:	Cool & Intact
Project Number:	2	Sample Received By:	Tamara Oldaker
Project Location:	33 DEG.,21'49.66'N,103 DEG. 40'54.79 'V		

## Sample ID: 042021 - L (H211003-12)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/21/2021	ND	2.17	108	2.00	1.46	
Toluene*	<0.050	0.050	04/21/2021	ND	2.16	108	2.00	1.97	
Ethylbenzene*	<0.050	0.050	04/21/2021	ND	2.15	107	2.00	1.27	
Total Xylenes*	<0.150	0.150	04/21/2021	ND	6.17	103	6.00	0.635	
Total BTEX	<0.300	0.300	04/21/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.2	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2280	16.0	04/22/2021	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	nalyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/21/2021	ND	211	106	200	3.65	
DRO >C10-C28*	10.4	10.0	04/21/2021	ND	255	127	200	5.84	
EXT DRO >C28-C36	<10.0	10.0	04/21/2021	ND					
Surrogate: 1-Chlorooctane	71.7	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	74.0	% 42.2-15	6						

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Received:	04/20/2021	Sampling Date:	04/20/2021
Reported:	04/22/2021	Sampling Type:	Soil
Project Name:	JOHN H. MOORE SWD #3	Sampling Condition:	Cool & Intact
Project Number:	2	Sample Received By:	Tamara Oldaker
Project Location:	33 DEG.,21'49.66'N,103 DEG. 40'54.79 'V		

## Sample ID: 042021 - M (H211003-13)

BTEX 8021B	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/21/2021	ND	2.17	108	2.00	1.46	
Toluene*	<0.050	0.050	04/21/2021	ND	2.16	108	2.00	1.97	
Ethylbenzene*	<0.050	0.050	04/21/2021	ND	2.15	107	2.00	1.27	
Total Xylenes*	<0.150	0.150	04/21/2021	ND	6.17	103	6.00	0.635	
Total BTEX	<0.300	0.300	04/21/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	89.4	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	′kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	04/22/2021	ND	432	108	400	0.00	
TPH 8015M	mg/	′kg	Analyze	Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/21/2021	ND	211	106	200	3.65	
DRO >C10-C28*	<10.0	10.0	04/21/2021	ND	255	127	200	5.84	
EXT DRO >C28-C36	<10.0	10.0	04/21/2021	ND					
Surrogate: 1-Chlorooctane	72.7	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	72.9	% 42.2-15	6						

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Received:	04/20/2021	Sampling Date:	04/20/2021
Reported:	04/22/2021	Sampling Type:	Soil
Project Name:	JOHN H. MOORE SWD #3	Sampling Condition:	Cool & Intact
Project Number:	2	Sample Received By:	Tamara Oldaker
Project Location:	33 DEG.,21'49.66'N,103 DEG. 40'54.79 'V		

## Sample ID: 042021 - N (H211003-14)

BTEX 8021B	mg,	/kg	Analyze	d By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/21/2021	ND	2.17	108	2.00	1.46		
Toluene*	<0.050	0.050	04/21/2021	ND	2.16	108	2.00	1.97		
Ethylbenzene*	<0.050	0.050	04/21/2021	ND	2.15	107	2.00	1.27		
Total Xylenes*	<0.150	0.150	04/21/2021	ND	6.17	103	6.00	0.635		
Total BTEX	<0.300	0.300	04/21/2021	ND						
Surrogate: 4-Bromofluorobenzene (PID	93.8	% 73.3-12	9							
Chloride, SM4500Cl-B	mg	/kg	Analyze	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16600	16.0	04/22/2021	ND	432	108	400	0.00		
TPH 8015M	mg	/kg	Analyze	d By: MS					)	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	04/21/2021	ND	211	106	200	3.65		
DRO >C10-C28*	<10.0	10.0	04/21/2021	ND	255	127	200	5.84		
EXT DRO >C28-C36	<10.0	10.0	04/21/2021	ND						
Surrogate: 1-Chlorooctane	87.2	% 44.3-14	4							
Surrogate: 1-Chlorooctadecane	84.8	% 42.2-15	6							

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Received:	04/20/2021	Sampling Date:	04/20/2021
Reported:	04/22/2021	Sampling Type:	Soil
Project Name:	JOHN H. MOORE SWD #3	Sampling Condition:	Cool & Intact
Project Number:	2	Sample Received By:	Tamara Oldaker
Project Location:	33 DEG.,21'49.66'N,103 DEG. 40'54.79 'V		

#### Sample ID: 042021 - 0 (H211003-15)

BTEX 8021B	mg/	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/21/2021	ND	2.17	108	2.00	1.46	
Toluene*	<0.050	0.050	04/21/2021	ND	2.16	108	2.00	1.97	
Ethylbenzene*	<0.050	0.050	04/21/2021	ND	2.15	107	2.00	1.27	
Total Xylenes*	<0.150	0.150	04/21/2021	ND	6.17	103	6.00	0.635	
Total BTEX	<0.300	0.300	04/21/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	93.8	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyze	zed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7040	16.0	04/22/2021	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	yzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/21/2021	ND	211	106	200	3.65	
DRO >C10-C28*	<10.0	10.0	04/21/2021	ND	255	127	200	5.84	
EXT DRO >C28-C36	<10.0	10.0	04/21/2021	ND					
Surrogate: 1-Chlorooctane	94.0	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	93.9	% 42.2-15	6						

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Received:	04/20/2021	Sampling Date:	04/20/2021
Reported:	04/22/2021	Sampling Type:	Soil
Project Name:	JOHN H. MOORE SWD #3	Sampling Condition:	Cool & Intact
Project Number:	2	Sample Received By:	Tamara Oldaker
Project Location:	33 DEG.,21'49.66'N,103 DEG. 40'54.79 'V		

#### Sample ID: 042021 - P (H211003-16)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/21/2021	ND	2.17	108	2.00	1.46	
Toluene*	<0.050	0.050	04/21/2021	ND	2.16	108	2.00	1.97	
Ethylbenzene*	<0.050	0.050	04/21/2021	ND	2.15	107	2.00	1.27	
Total Xylenes*	<0.150	0.150	04/21/2021	ND	6.17	103	6.00	0.635	
Total BTEX	<0.300	0.300	04/21/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.4	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4840	16.0	04/22/2021	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	nalyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/21/2021	ND	211	106	200	3.65	
DRO >C10-C28*	83.0	10.0	04/21/2021	ND	255	127	200	5.84	
EXT DRO >C28-C36	33.5	10.0	04/21/2021	ND					
Surrogate: 1-Chlorooctane	85.6	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	92.8	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



RHOMBUS MONICA CERVANTS P.O. BOX 627 LITTLETON CO, 80160 Fax To: (575) 392-6611

Received:	04/20/2021	Sampling Date:	04/20/2021
Reported:	04/22/2021	Sampling Type:	Soil
Project Name:	JOHN H. MOORE SWD #3	Sampling Condition:	Cool & Intact
Project Number:	2	Sample Received By:	Tamara Oldaker
Project Location:	33 DEG.,21'49.66'N,103 DEG. 40'54.79 'V		

## Sample ID: 042021 - Q (H211003-17)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/21/2021	ND	2.17	108	2.00	1.46	
Toluene*	<0.050	0.050	04/21/2021	ND	2.16	108	2.00	1.97	
Ethylbenzene*	<0.050	0.050	04/21/2021	ND	2.15	107	2.00	1.27	
Total Xylenes*	<0.150	0.150	04/21/2021	ND	6.17	103	6.00	0.635	
Total BTEX	<0.300	0.300	04/21/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	93.2	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	29200	16.0	04/22/2021	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/21/2021	ND	211	106	200	3.65	
DRO >C10-C28*	183	10.0	04/21/2021	ND	255	127	200	5.84	
EXT DRO >C28-C36	198	10.0	04/21/2021	ND					
Surrogate: 1-Chlorooctane	81.3	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	100	% 42.2-15	6						

#### Cardinal Laboratories

\*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



# **Notes and Definitions**

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

#### **Cardinal Laboratories**

#### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager

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Page 20 of 21

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Cardinal cannot accept verbal changes. Please email changes to cel	Sample Condition Cool Intact Yes Yes No No No	MULLARA	nder by Cardinal, regardless of whether such claim is based upon any of this above chand is case as or otherwise. Received BY: All Results a	xclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable whether the shall be deemed waived unless and the shall be deemed to be an or how of the shall be deemed to be applied by the	66.	17	77	77		ASTEWATER OIL IL LUDGE DTHER :	MATRIX		2		
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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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Sample Condition Observed Temp. °C

Corrected Temp. °C

# Page 32 of 79



May 06, 2021

greg cielinski Rhombus

P.O. BOX 627

LITTLETON, CO 80160

RE: JOHN H. MOORE SWD #3

Enclosed are the results of analyses for samples received by the laboratory on 05/03/21 15:55.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/ga/lab\_accred\_certif.html">www.tceq.texas.gov/field/ga/lab\_accred\_certif.html</a>.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



RHOMBUS GREG CIELINSKI P.O. BOX 627 LITTLETON CO, 80160 Fax To: (575) 392-6611

Received:	05/03/2021	Sampling Date:	05/03/2021
Reported:	05/06/2021	Sampling Type:	Soil
Project Name:	JOHN H. MOORE SWD #3	Sampling Condition:	** (See Notes)
Project Number:	2	Sample Received By:	Tamara Oldaker
Project Location:	33 DEG.,21'49.66'N,103 DEG. 40'54.79 'V		

# Sample ID: 5321 - R (H211120-01)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/05/2021	ND	2.01	101	2.00	10.9	
Toluene*	<0.050	0.050	05/05/2021	ND	1.95	97.6	2.00	10.7	
Ethylbenzene*	<0.050	0.050	05/05/2021	ND	1.92	96.0	2.00	9.65	
Total Xylenes*	<0.150	0.150	05/05/2021	ND	5.72	95.3	6.00	9.45	
Total BTEX	<0.300	0.300	05/05/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.5	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2920	16.0	05/05/2021	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/04/2021	ND	194	97.2	200	2.37	
DRO >C10-C28*	<10.0	10.0	05/04/2021	ND	208	104	200	8.15	
EXT DRO >C28-C36	<10.0	10.0	05/04/2021	ND					
Surrogate: 1-Chlorooctane	85.4	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	92.4	% 38.9-14	2						

#### **Cardinal Laboratories**

#### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



RHOMBUS GREG CIELINSKI P.O. BOX 627 LITTLETON CO, 80160 Fax To: (575) 392-6611

Received:	05/03/2021	Sampling Date:	05/03/2021
Reported:	05/06/2021	Sampling Type:	Soil
Project Name:	JOHN H. MOORE SWD #3	Sampling Condition:	** (See Notes)
Project Number:	2	Sample Received By:	Tamara Oldaker
Project Location:	33 DEG.,21'49.66'N,103 DEG. 40'54.79 'V		

# Sample ID: 5321 - S (H211120-02)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/05/2021	ND	2.01	101	2.00	10.9	
Toluene*	<0.050	0.050	05/05/2021	ND	1.95	97.6	2.00	10.7	
Ethylbenzene*	<0.050	0.050	05/05/2021	ND	1.92	96.0	2.00	9.65	
Total Xylenes*	<0.150	0.150	05/05/2021	ND	5.72	95.3	6.00	9.45	
Total BTEX	<0.300	0.300	05/05/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.4	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	05/05/2021	ND	400	100	400	3.92	
TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/04/2021	ND	194	97.2	200	2.37	
DRO >C10-C28*	<10.0	10.0	05/04/2021	ND	208	104	200	8.15	
EXT DRO >C28-C36	<10.0	10.0	05/04/2021	ND					
Surrogate: 1-Chlorooctane	87.9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	95.7	% 38.9-14	2						

#### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



RHOMBUS GREG CIELINSKI P.O. BOX 627 LITTLETON CO, 80160 Fax To: (575) 392-6611

Received:	05/03/2021	Sampling Date:	05/03/2021
Reported:	05/06/2021	Sampling Type:	Soil
Project Name:	JOHN H. MOORE SWD #3	Sampling Condition:	** (See Notes)
Project Number:	2	Sample Received By:	Tamara Oldaker
Project Location:	33 DEG.,21'49.66'N,103 DEG. 40'54.79 'V		

# Sample ID: 5321 - T (H211120-03)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/05/2021	ND	2.01	101	2.00	10.9	
Toluene*	<0.050	0.050	05/05/2021	ND	1.95	97.6	2.00	10.7	
Ethylbenzene*	<0.050	0.050	05/05/2021	ND	1.92	96.0	2.00	9.65	
Total Xylenes*	<0.150	0.150	05/05/2021	ND	5.72	95.3	6.00	9.45	
Total BTEX	<0.300	0.300	05/05/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.0	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	05/05/2021	ND	400	100	400	3.92	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/04/2021	ND	194	97.2	200	2.37	
DRO >C10-C28*	<10.0	10.0	05/04/2021	ND	208	104	200	8.15	
EXT DRO >C28-C36	<10.0	10.0	05/04/2021	ND					
Surrogate: 1-Chlorooctane	95.0	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	103	% 38.9-14	2						

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#### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager


RHOMBUS GREG CIELINSKI P.O. BOX 627 LITTLETON CO, 80160 Fax To: (575) 392-6611

Received:	05/03/2021	Sampling Date:	05/03/2021
Reported:	05/06/2021	Sampling Type:	Soil
Project Name:	JOHN H. MOORE SWD #3	Sampling Condition:	** (See Notes)
Project Number:	2	Sample Received By:	Tamara Oldaker
Project Location:	33 DEG.,21'49.66'N,103 DEG. 40'54.79 'V		

#### Sample ID: 5321 - U (H211120-04)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/05/2021	ND	2.01	101	2.00	10.9	
Toluene*	<0.050	0.050	05/05/2021	ND	1.95	97.6	2.00	10.7	
Ethylbenzene*	<0.050	0.050	05/05/2021	ND	1.92	96.0	2.00	9.65	
Total Xylenes*	<0.150	0.150	05/05/2021	ND	5.72	95.3	6.00	9.45	
Total BTEX	<0.300	0.300	05/05/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.8	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	656	16.0	05/05/2021	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/04/2021	ND	194	97.2	200	2.37	
DRO >C10-C28*	<10.0	10.0	05/04/2021	ND	208	104	200	8.15	
EXT DRO >C28-C36	<10.0	10.0	05/04/2021	ND					
Surrogate: 1-Chlorooctane	92.0	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	101	% 38.9-14	2						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



RHOMBUS GREG CIELINSKI P.O. BOX 627 LITTLETON CO, 80160 Fax To: (575) 392-6611

Received:	05/03/2021	Sampling Date:	05/03/2021
Reported:	05/06/2021	Sampling Type:	Soil
Project Name:	JOHN H. MOORE SWD #3	Sampling Condition:	** (See Notes)
Project Number:	2	Sample Received By:	Tamara Oldaker
Project Location:	33 DEG.,21'49.66'N,103 DEG. 40'54.79 'V		

#### Sample ID: 5321 - V (H211120-05)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/05/2021	ND	2.01	101	2.00	10.9	
Toluene*	<0.050	0.050	05/05/2021	ND	1.95	97.6	2.00	10.7	
Ethylbenzene*	<0.050	0.050	05/05/2021	ND	1.92	96.0	2.00	9.65	
Total Xylenes*	<0.150	0.150	05/05/2021	ND	5.72	95.3	6.00	9.45	
Total BTEX	<0.300	0.300	05/05/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	93.7	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3160	16.0	05/05/2021	ND	400	100	400	3.92	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/04/2021	ND	194	97.2	200	2.37	
DRO >C10-C28*	222	10.0	05/04/2021	ND	208	104	200	8.15	
EXT DRO >C28-C36	132	10.0	05/04/2021	ND					
Surrogate: 1-Chlorooctane	95.9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	106	% 38.9-14	2						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



RHOMBUS GREG CIELINSKI P.O. BOX 627 LITTLETON CO, 80160 Fax To: (575) 392-6611

Received:	05/03/2021	Sampling Date:	05/03/2021
Reported:	05/06/2021	Sampling Type:	Soil
Project Name:	JOHN H. MOORE SWD #3	Sampling Condition:	** (See Notes)
Project Number:	2	Sample Received By:	Tamara Oldaker
Project Location:	33 DEG.,21'49.66'N,103 DEG. 40'54.79 'V		

#### Sample ID: 5321 - W (H211120-06)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/05/2021	ND	2.01	101	2.00	10.9	
Toluene*	<0.050	0.050	05/05/2021	ND	1.95	97.6	2.00	10.7	
Ethylbenzene*	<0.050	0.050	05/05/2021	ND	1.92	96.0	2.00	9.65	
Total Xylenes*	<0.150	0.150	05/05/2021	ND	5.72	95.3	6.00	9.45	
Total BTEX	<0.300	0.300	05/05/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.2	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	05/05/2021	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/05/2021	ND	194	97.2	200	2.37	
DRO >C10-C28*	<10.0	10.0	05/05/2021	ND	208	104	200	8.15	
EXT DRO >C28-C36	<10.0	10.0	05/05/2021	ND					
Surrogate: 1-Chlorooctane	87.6	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	92.9	% 38.9-14	2						

#### Cardinal Laboratories

\*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



#### **Notes and Definitions**

QR-04	The RPD for the BS/BSD was outside of historical limits.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager

keene@cardinallabsnm.com	Cardinal cannot accept verbal changes. Please email changes to celev.keene@cardinallabsnm.com	nnot accept verbal change:	† Cardinal ca		
Rush Cool Intact	(Initials) Thermometer ID Correction Factor	Cool Intact	Corrected Temp. °C	JPS - Bus - Other:	Sampler - UPS
Standard	CHECKED BY: Turnaround Time:	6	Observed Temp. °C	Delivered By: (Circle One)	Delivered E
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pplirable	service. In no every shall Cardinal being for incomposition on any sum or operated without imhition unless made in writing and received by Cardinal within 30 days after completion of the applicable artificates or supersections or supersections arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.	eerned waved unless made in writing and received by Cardinal wi without limitation, business interruptions, loss of use, or loss of pro ardinal, regardless of whether such claim is based upon any of the	nino any ourer cause wriatsoever snall be o ental or consequental damages, including performance of services hereunder by Ca	ant shall Cardinal be liable for incidental c scors arising out of or related to the perfor	service. In no event sha affiliates or successors
	we remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the	y claim arising whether based in contract or tor	lability and client's exclusive remedy for an	PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclus analyses. All claims including those for pedicence and any other course when	Inalyses. All clain
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ARDINAL



June 14, 2021

MONICA CERVANTS RHOMBUS P.O. BOX 627 LITTLETON, CO 80160

RE: JOHN H. MOORE SWD #3

Enclosed are the results of analyses for samples received by the laboratory on 06/09/21 14:20.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/qa/lab\_accred\_certif.html">www.tceq.texas.gov/field/qa/lab\_accred\_certif.html</a>.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



RHOMBUS MONICA CERVANTS P.O. BOX 627 LITTLETON CO, 80160 Fax To: (575) 392-6611

Received:	06/09/2021	Sampling Date:	06/09/2021
Reported:	06/14/2021	Sampling Type:	Soil
Project Name:	JOHN H. MOORE SWD #3	Sampling Condition:	** (See Notes)
Project Number:	2	Sample Received By:	Tamara Oldaker
Project Location:	33 DEG.,21'49.66'N,103 DEG. 40'54.79 'V		

#### Sample ID: Q D6 (H211489-01)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2021	ND	2.05	102	2.00	0.798	
Toluene*	<0.050	0.050	06/10/2021	ND	2.00	100	2.00	1.07	
Ethylbenzene*	<0.050	0.050	06/10/2021	ND	1.93	96.6	2.00	1.14	
Total Xylenes*	<0.150	0.150	06/10/2021	ND	5.84	97.4	6.00	1.16	
Total BTEX	<0.300	0.300	06/10/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	112	% 69.9-14	0						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	832	16.0	06/10/2021	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/11/2021	ND	193	96.5	200	0.850	
DRO >C10-C28*	11.2	10.0	06/11/2021	ND	205	102	200	1.34	
EXT DRO >C28-C36	<10.0	10.0	06/11/2021	ND					
Surrogate: 1-Chlorooctane	89.2	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	92.1	% 38.9-14	2						

#### Cardinal Laboratories

\*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



RHOMBUS MONICA CERVANTS P.O. BOX 627 LITTLETON CO, 80160 Fax To: (575) 392-6611

Received:	06/09/2021	Sampling Date:	06/09/2021
Reported:	06/14/2021	Sampling Type:	Soil
Project Name:	JOHN H. MOORE SWD #3	Sampling Condition:	** (See Notes)
Project Number:	2	Sample Received By:	Tamara Oldaker
Project Location:	33 DEG.,21'49.66'N,103 DEG. 40'54.79 'V		

#### Sample ID: R D6 (H211489-02)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2021	ND	2.05	102	2.00	0.798	
Toluene*	<0.050	0.050	06/10/2021	ND	2.00	100	2.00	1.07	
Ethylbenzene*	<0.050	0.050	06/10/2021	ND	1.93	96.6	2.00	1.14	
Total Xylenes*	<0.150	0.150	06/10/2021	ND	5.84	97.4	6.00	1.16	
Total BTEX	<0.300	0.300	06/10/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	06/10/2021	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/11/2021	ND	193	96.5	200	0.850	
DRO >C10-C28*	<10.0	10.0	06/11/2021	ND	205	102	200	1.34	
EXT DRO >C28-C36	<10.0	10.0	06/11/2021	ND					
Surrogate: 1-Chlorooctane	88.5	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	92.3	% 38.9-14	2						

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#### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



RHOMBUS MONICA CERVANTS P.O. BOX 627 LITTLETON CO, 80160 Fax To: (575) 392-6611

Received:	06/09/2021	Sampling Date:	06/09/2021
Reported:	06/14/2021	Sampling Type:	Soil
Project Name:	JOHN H. MOORE SWD #3	Sampling Condition:	** (See Notes)
Project Number:	2	Sample Received By:	Tamara Oldaker
Project Location:	33 DEG.,21'49.66'N,103 DEG. 40'54.79 'V		

#### Sample ID: S D6 (H211489-03)

BTEX 8021B	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2021	ND	2.05	102	2.00	0.798	
Toluene*	<0.050	0.050	06/10/2021	ND	2.00	100	2.00	1.07	
Ethylbenzene*	<0.050	0.050	06/10/2021	ND	1.93	96.6	2.00	1.14	
Total Xylenes*	<0.150	0.150	06/10/2021	ND	5.84	97.4	6.00	1.16	
Total BTEX	<0.300	0.300	06/10/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	06/10/2021	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/11/2021	ND	193	96.5	200	0.850	
DRO >C10-C28*	<10.0	10.0	06/11/2021	ND	205	102	200	1.34	
EXT DRO >C28-C36	<10.0	10.0	06/11/2021	ND					
Surrogate: 1-Chlorooctane	86.5	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	90.8	% 38.9-14	2						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



RHOMBUS MONICA CERVANTS P.O. BOX 627 LITTLETON CO, 80160 Fax To: (575) 392-6611

Received:	06/09/2021	Sampling Date:	06/09/2021
Reported:	06/14/2021	Sampling Type:	Soil
Project Name:	JOHN H. MOORE SWD #3	Sampling Condition:	** (See Notes)
Project Number:	2	Sample Received By:	Tamara Oldaker
Project Location:	33 DEG.,21'49.66'N,103 DEG. 40'54.79 'V		

#### Sample ID: T D6 (H211489-04)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2021	ND	2.12	106	2.00	3.44	
Toluene*	<0.050	0.050	06/10/2021	ND	2.08	104	2.00	3.57	
Ethylbenzene*	<0.050	0.050	06/10/2021	ND	1.99	99.7	2.00	3.65	
Total Xylenes*	<0.150	0.150	06/10/2021	ND	6.01	100	6.00	3.28	
Total BTEX	<0.300	0.300	06/10/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1310	16.0	06/10/2021	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/11/2021	ND	193	96.5	200	0.850	
DRO >C10-C28*	<10.0	10.0	06/11/2021	ND	205	102	200	1.34	
EXT DRO >C28-C36	<10.0	10.0	06/11/2021	ND					
Surrogate: 1-Chlorooctane	86.2	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	85.1	% 38.9-14	2						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



RHOMBUS MONICA CERVANTS P.O. BOX 627 LITTLETON CO, 80160 Fax To: (575) 392-6611

Received:	06/09/2021	Sampling Date:	06/09/2021
Reported:	06/14/2021	Sampling Type:	Soil
Project Name:	JOHN H. MOORE SWD #3	Sampling Condition:	** (See Notes)
Project Number:	2	Sample Received By:	Tamara Oldaker
Project Location:	33 DEG.,21'49.66'N,103 DEG. 40'54.79 'V		

#### Sample ID: QSTM D6 (H211489-05)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2021	ND	2.12	106	2.00	3.44	
Toluene*	<0.050	0.050	06/10/2021	ND	2.08	104	2.00	3.57	
Ethylbenzene*	<0.050	0.050	06/10/2021	ND	1.99	99.7	2.00	3.65	
Total Xylenes*	<0.150	0.150	06/10/2021	ND	6.01	100	6.00	3.28	
Total BTEX	<0.300	0.300	06/10/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	06/10/2021	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/11/2021	ND	207	103	200	1.37	
DRO >C10-C28*	<10.0	10.0	06/11/2021	ND	217	108	200	3.54	
EXT DRO >C28-C36	<10.0	10.0	06/11/2021	ND					
Surrogate: 1-Chlorooctane	81.7	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	83.0	% 38.9-14	2						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



RHOMBUS MONICA CERVANTS P.O. BOX 627 LITTLETON CO, 80160 Fax To: (575) 392-6611

Received:	06/09/2021	Sampling Date:	06/09/2021
Reported:	06/14/2021	Sampling Type:	Soil
Project Name:	JOHN H. MOORE SWD #3	Sampling Condition:	** (See Notes)
Project Number:	2	Sample Received By:	Tamara Oldaker
Project Location:	33 DEG.,21'49.66'N,103 DEG. 40'54.79 'V		

#### Sample ID: C D6 (H211489-06)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2021	ND	2.12	106	2.00	3.44	
Toluene*	<0.050	0.050	06/10/2021	ND	2.08	104	2.00	3.57	
Ethylbenzene*	<0.050	0.050	06/10/2021	ND	1.99	99.7	2.00	3.65	
Total Xylenes*	<0.150	0.150	06/10/2021	ND	6.01	100	6.00	3.28	
Total BTEX	<0.300	0.300	06/10/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1500	16.0	06/10/2021	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/11/2021	ND	207	103	200	1.37	
DRO >C10-C28*	<10.0	10.0	06/11/2021	ND	217	108	200	3.54	
EXT DRO >C28-C36	<10.0	10.0	06/11/2021	ND					
Surrogate: 1-Chlorooctane	83.0	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	86.5	% 38.9-14	2						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



RHOMBUS MONICA CERVANTS P.O. BOX 627 LITTLETON CO, 80160 Fax To: (575) 392-6611

Received:	06/09/2021	Sampling Date:	06/09/2021
Reported:	06/14/2021	Sampling Type:	Soil
Project Name:	JOHN H. MOORE SWD #3	Sampling Condition:	** (See Notes)
Project Number:	2	Sample Received By:	Tamara Oldaker
Project Location:	33 DEG.,21'49.66'N,103 DEG. 40'54.79 'V		

#### Sample ID: B D6 (H211489-07)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2021	ND	2.12	106	2.00	3.44	
Toluene*	<0.050	0.050	06/10/2021	ND	2.08	104	2.00	3.57	
Ethylbenzene*	<0.050	0.050	06/10/2021	ND	1.99	99.7	2.00	3.65	
Total Xylenes*	<0.150	0.150	06/10/2021	ND	6.01	100	6.00	3.28	
Total BTEX	<0.300	0.300	06/10/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1570	16.0	06/10/2021	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/11/2021	ND	207	103	200	1.37	
DRO >C10-C28*	<10.0	10.0	06/11/2021	ND	217	108	200	3.54	
EXT DRO >C28-C36	<10.0	10.0	06/11/2021	ND					
Surrogate: 1-Chlorooctane	87.2	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	88.6	% 38.9-14	2						

#### Cardinal Laboratories

\*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



RHOMBUS MONICA CERVANTS P.O. BOX 627 LITTLETON CO, 80160 Fax To: (575) 392-6611

Received:	06/09/2021	Sampling Date:	06/09/2021
Reported:	06/14/2021	Sampling Type:	Soil
Project Name:	JOHN H. MOORE SWD #3	Sampling Condition:	** (See Notes)
Project Number:	2	Sample Received By:	Tamara Oldaker
Project Location:	33 DEG.,21'49.66'N,103 DEG. 40'54.79 'V		

#### Sample ID: Q2 D6 (H211489-08)

BTEX 8021B	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2021	ND	2.12	106	2.00	3.44	
Toluene*	<0.050	0.050	06/10/2021	ND	2.08	104	2.00	3.57	
Ethylbenzene*	<0.050	0.050	06/10/2021	ND	1.99	99.7	2.00	3.65	
Total Xylenes*	<0.150	0.150	06/10/2021	ND	6.01	100	6.00	3.28	
Total BTEX	<0.300	0.300	06/10/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2840	16.0	06/10/2021	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	zed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/11/2021	ND	207	103	200	1.37	
DRO >C10-C28*	<10.0	10.0	06/11/2021	ND	217	108	200	3.54	
EXT DRO >C28-C36	<10.0	10.0	06/11/2021	ND					
Surrogate: 1-Chlorooctane	85.2	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	87.0	% 38.9-14	2						

#### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



RHOMBUS MONICA CERVANTS P.O. BOX 627 LITTLETON CO, 80160 Fax To: (575) 392-6611

Received:	06/09/2021	Sampling Date:	06/09/2021
Reported:	06/14/2021	Sampling Type:	Soil
Project Name:	JOHN H. MOORE SWD #3	Sampling Condition:	** (See Notes)
Project Number:	2	Sample Received By:	Tamara Oldaker
Project Location:	33 DEG.,21'49.66'N,103 DEG. 40'54.79 'V		

#### Sample ID: W D6 (H211489-09)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2021	ND	2.12	106	2.00	3.44	
Toluene*	<0.050	0.050	06/10/2021	ND	2.08	104	2.00	3.57	
Ethylbenzene*	<0.050	0.050	06/10/2021	ND	1.99	99.7	2.00	3.65	
Total Xylenes*	<0.150	0.150	06/10/2021	ND	6.01	100	6.00	3.28	
Total BTEX	<0.300	0.300	06/10/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	784	16.0	06/10/2021	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/11/2021	ND	207	103	200	1.37	
DRO >C10-C28*	11.1	10.0	06/11/2021	ND	217	108	200	3.54	
EXT DRO >C28-C36	<10.0	10.0	06/11/2021	ND					
Surrogate: 1-Chlorooctane	75.8	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	76.5	% 38.9-14	2						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



RHOMBUS MONICA CERVANTS P.O. BOX 627 LITTLETON CO, 80160 Fax To: (575) 392-6611

Received:	06/09/2021	Sampling Date:	06/09/2021
Reported:	06/14/2021	Sampling Type:	Soil
Project Name:	JOHN H. MOORE SWD #3	Sampling Condition:	** (See Notes)
Project Number:	2	Sample Received By:	Tamara Oldaker
Project Location:	33 DEG.,21'49.66'N,103 DEG. 40'54.79 'V		

#### Sample ID: V D6 (H211489-10)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2021	ND	2.12	106	2.00	3.44	
Toluene*	<0.050	0.050	06/10/2021	ND	2.08	104	2.00	3.57	
Ethylbenzene*	<0.050	0.050	06/10/2021	ND	1.99	99.7	2.00	3.65	
Total Xylenes*	<0.150	0.150	06/10/2021	ND	6.01	100	6.00	3.28	
Total BTEX	<0.300	0.300	06/10/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1360	16.0	06/10/2021	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	lyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/11/2021	ND	207	103	200	1.37	
DRO >C10-C28*	265	10.0	06/11/2021	ND	217	108	200	3.54	
EXT DRO >C28-C36	442	10.0	06/11/2021	ND					
Surrogate: 1-Chlorooctane	79.5	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	95.6	% 38.9-14	2						

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Celey D. Keene, Lab Director/Quality Manager



RHOMBUS MONICA CERVANTS P.O. BOX 627 LITTLETON CO, 80160 Fax To: (575) 392-6611

Received:	06/09/2021	Sampling Date:	06/09/2021
Reported:	06/14/2021	Sampling Type:	Soil
Project Name:	JOHN H. MOORE SWD #3	Sampling Condition:	** (See Notes)
Project Number:	2	Sample Received By:	Tamara Oldaker
Project Location:	33 DEG.,21'49.66'N,103 DEG. 40'54.79 'V		

#### Sample ID: O D6 (H211489-11)

BTEX 8021B	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2021	ND	2.12	106	2.00	3.44	
Toluene*	<0.050	0.050	06/10/2021	ND	2.08	104	2.00	3.57	
Ethylbenzene*	<0.050	0.050	06/10/2021	ND	1.99	99.7	2.00	3.65	
Total Xylenes*	<0.150	0.150	06/10/2021	ND	6.01	100	6.00	3.28	
Total BTEX	<0.300	0.300	06/10/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5040	16.0	06/10/2021	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS				0.00	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/11/2021	ND	207	103	200	1.37	
DRO >C10-C28*	<10.0	10.0	06/11/2021	ND	217	108	200	3.54	
EXT DRO >C28-C36	<10.0	10.0	06/11/2021	ND					
Surrogate: 1-Chlorooctane	80.9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	81.9	% 38.9-14	2						

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RHOMBUS MONICA CERVANTS P.O. BOX 627 LITTLETON CO, 80160 Fax To: (575) 392-6611

Received:	06/09/2021	Sampling Date:	06/09/2021
Reported:	06/14/2021	Sampling Type:	Soil
Project Name:	JOHN H. MOORE SWD #3	Sampling Condition:	** (See Notes)
Project Number:	2	Sample Received By:	Tamara Oldaker
Project Location:	33 DEG.,21'49.66'N,103 DEG. 40'54.79 'V		

#### Sample ID: M D6 (H211489-12)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2021	ND	2.12	106	2.00	3.44	
Toluene*	<0.050	0.050	06/10/2021	ND	2.08	104	2.00	3.57	
Ethylbenzene*	<0.050	0.050	06/10/2021	ND	1.99	99.7	2.00	3.65	
Total Xylenes*	<0.150	0.150	06/10/2021	ND	6.01	100	6.00	3.28	
Total BTEX	<0.300	0.300	06/10/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	800	16.0	06/10/2021	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/11/2021	ND	207	103	200	1.37	
DRO >C10-C28*	<10.0	10.0	06/11/2021	ND	217	108	200	3.54	
EXT DRO >C28-C36	<10.0	10.0	06/11/2021	ND					
Surrogate: 1-Chlorooctane	96.5	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	96.6	% 38.9-14	2						

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RHOMBUS MONICA CERVANTS P.O. BOX 627 LITTLETON CO, 80160 Fax To: (575) 392-6611

Received:	06/09/2021	Sampling Date:	06/09/2021
Reported:	06/14/2021	Sampling Type:	Soil
Project Name:	JOHN H. MOORE SWD #3	Sampling Condition:	** (See Notes)
Project Number:	2	Sample Received By:	Tamara Oldaker
Project Location:	33 DEG.,21'49.66'N,103 DEG. 40'54.79 'V		

#### Sample ID: K D6 (H211489-13)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2021	ND	2.12	106	2.00	3.44	
Toluene*	<0.050	0.050	06/10/2021	ND	2.08	104	2.00	3.57	
Ethylbenzene*	<0.050	0.050	06/10/2021	ND	1.99	99.7	2.00	3.65	
Total Xylenes*	<0.150	0.150	06/10/2021	ND	6.01	100	6.00	3.28	
Total BTEX	<0.300	0.300	06/10/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg	/kg	Analyze	Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	672	16.0	06/10/2021	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/11/2021	ND	207	103	200	1.37	
DRO >C10-C28*	<10.0	10.0	06/11/2021	ND	217	108	200	3.54	
EXT DRO >C28-C36	<10.0	10.0	06/11/2021	ND					
Surrogate: 1-Chlorooctane	89.5	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	89.8	% 38.9-14	2						

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Celey D. Keene, Lab Director/Quality Manager



RHOMBUS MONICA CERVANTS P.O. BOX 627 LITTLETON CO, 80160 Fax To: (575) 392-6611

Received:	06/09/2021	Sampling Date:	06/09/2021
Reported:	06/14/2021	Sampling Type:	Soil
Project Name:	JOHN H. MOORE SWD #3	Sampling Condition:	** (See Notes)
Project Number:	2	Sample Received By:	Tamara Oldaker
Project Location:	33 DEG.,21'49.66'N,103 DEG. 40'54.79 'V		

#### Sample ID: H D6 (H211489-14)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2021	ND	2.12	106	2.00	3.44	
Toluene*	<0.050	0.050	06/10/2021	ND	2.08	104	2.00	3.57	
Ethylbenzene*	<0.050	0.050	06/10/2021	ND	1.99	99.7	2.00	3.65	
Total Xylenes*	<0.150	0.150	06/10/2021	ND	6.01	100	6.00	3.28	
Total BTEX	<0.300	0.300	06/10/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 9	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4360	16.0	06/10/2021	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/11/2021	ND	207	103	200	1.37	
DRO >C10-C28*	<10.0	10.0	06/11/2021	ND	217	108	200	3.54	
EXT DRO >C28-C36	<10.0	10.0	06/11/2021	ND					
Surrogate: 1-Chlorooctane	94.9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	95.8	% 38.9-14	2						

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Received:	06/09/2021	Sampling Date:	06/09/2021
Reported:	06/14/2021	Sampling Type:	Soil
Project Name:	JOHN H. MOORE SWD #3	Sampling Condition:	** (See Notes)
Project Number:	2	Sample Received By:	Tamara Oldaker
Project Location:	33 DEG.,21'49.66'N,103 DEG. 40'54.79 'V		

#### Sample ID: F D6 (H211489-15)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2021	ND	2.12	106	2.00	3.44	
Toluene*	<0.050	0.050	06/10/2021	ND	2.08	104	2.00	3.57	
Ethylbenzene*	<0.050	0.050	06/10/2021	ND	1.99	99.7	2.00	3.65	
Total Xylenes*	<0.150	0.150	06/10/2021	ND	6.01	100	6.00	3.28	
Total BTEX	<0.300	0.300	06/10/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2480	16.0	06/10/2021	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/11/2021	ND	207	103	200	1.37	
DRO >C10-C28*	<10.0	10.0	06/11/2021	ND	217	108	200	3.54	
EXT DRO >C28-C36	<10.0	10.0	06/11/2021	ND					
Surrogate: 1-Chlorooctane	83.5	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	83.0	% 38.9-14	2						

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RHOMBUS MONICA CERVANTS P.O. BOX 627 LITTLETON CO, 80160 Fax To: (575) 392-6611

Received:	06/09/2021	Sampling Date:	06/09/2021
Reported:	06/14/2021	Sampling Type:	Soil
Project Name:	JOHN H. MOORE SWD #3	Sampling Condition:	** (See Notes)
Project Number:	2	Sample Received By:	Tamara Oldaker
Project Location:	33 DEG.,21'49.66'N,103 DEG. 40'54.79 'V		

#### Sample ID: E D6 (H211489-16)

BTEX 8021B	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2021	ND	2.12	106	2.00	3.44	
Toluene*	<0.050	0.050	06/10/2021	ND	2.08	104	2.00	3.57	
Ethylbenzene*	<0.050	0.050	06/10/2021	ND	1.99	99.7	2.00	3.65	
Total Xylenes*	<0.150	0.150	06/10/2021	ND	6.01	100	6.00	3.28	
Total BTEX	<0.300	0.300	06/10/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3640	16.0	06/10/2021	ND	400	100	400	0.00	
TPH 8015M	mg,	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/11/2021	ND	207	103	200	1.37	
DRO >C10-C28*	<10.0	10.0	06/11/2021	ND	217	108	200	3.54	
EXT DRO >C28-C36	<10.0	10.0	06/11/2021	ND					
Surrogate: 1-Chlorooctane	90.9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	91.5	% 38.9-14	2						

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RHOMBUS MONICA CERVANTS P.O. BOX 627 LITTLETON CO, 80160 Fax To: (575) 392-6611

Received:	06/09/2021	Sampling Date:	06/09/2021
Reported:	06/14/2021	Sampling Type:	Soil
Project Name:	JOHN H. MOORE SWD #3	Sampling Condition:	** (See Notes)
Project Number:	2	Sample Received By:	Tamara Oldaker
Project Location:	33 DEG.,21'49.66'N,103 DEG. 40'54.79 'V		

#### Sample ID: D D6 (H211489-17)

BTEX 8021B	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2021	ND	2.12	106	2.00	3.44	
Toluene*	<0.050	0.050	06/10/2021	ND	2.08	104	2.00	3.57	
Ethylbenzene*	<0.050	0.050	06/10/2021	ND	1.99	99.7	2.00	3.65	
Total Xylenes*	<0.150	0.150	06/10/2021	ND	6.01	100	6.00	3.28	
Total BTEX	<0.300	0.300	06/10/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2760	16.0	06/10/2021	ND	400	100	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/11/2021	ND	207	103	200	1.37	
DRO >C10-C28*	<10.0	10.0	06/11/2021	ND	217	108	200	3.54	
EXT DRO >C28-C36	<10.0	10.0	06/11/2021	ND					
Surrogate: 1-Chlorooctane	86.1	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	85.9	% 38.9-14	2						

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Received:	06/09/2021	Sampling Date:	06/09/2021
Reported:	06/14/2021	Sampling Type:	Soil
Project Name:	JOHN H. MOORE SWD #3	Sampling Condition:	** (See Notes)
Project Number:	2	Sample Received By:	Tamara Oldaker
Project Location:	33 DEG.,21'49.66'N,103 DEG. 40'54.79 'V		

#### Sample ID: BC DM6 (H211489-18)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2021	ND	2.12	106	2.00	3.44	
Toluene*	<0.050	0.050	06/10/2021	ND	2.08	104	2.00	3.57	
Ethylbenzene*	<0.050	0.050	06/10/2021	ND	1.99	99.7	2.00	3.65	
Total Xylenes*	<0.150	0.150	06/10/2021	ND	6.01	100	6.00	3.28	
Total BTEX	<0.300	0.300	06/10/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	576	16.0	06/10/2021	ND	400	100	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/11/2021	ND	207	103	200	1.37	
DRO >C10-C28*	14.6	10.0	06/11/2021	ND	217	108	200	3.54	
EXT DRO >C28-C36	<10.0	10.0	06/11/2021	ND					
Surrogate: 1-Chlorooctane	83.5	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	84.0	% 38.9-14	2						

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#### **Notes and Definitions**

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

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Lab I.D. Hall 1469 2 RD 2 RD 2 RD 3 SD 4 TD 2 RD 3 SD 4 TD 2 RD 4 TD 4 RD 4 RD 4 RD 4 RD 4 RD 4 RD 4 RD 4 R	101 E (57) Company Name: Project Manager: Address: Project Manager: City: L. Htte for Phone #: 120 - 0 Project Location: 33 Sampler Name: No
Sample I.D. No. No. No. No. No. No. No. No	homb
e I.D. d client's exclusive remedy for any claim the cluence whatsoever shall be deemed near use whow an 2 of services hereunder by Cardinal, Date: Time: Date: Rec Corrected Temp. °C Corrected Temp. °C Corrected Temp. °C	NA OFIC: Obbs, NM 882 State: $(S)$ State: $(S)$ Fax #: Project Owner C S(U) Fax #: Project Owner C S(U) C
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TIME TIME TIME TIME TIME TO DU:STAM U:YSAM U:Y	-CUSTODY AND ANALYSIS REQUEST
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Received by OCD: 8/1	10/2021 12:00:12 A	M			Page 63 of 79
cle One) Daserve us - Other: Correcte 	Cardina's liability and client's exclusive remedy for any Clie spligence and any other cause whatsoever shall be deem le for incidential or consequential damages, including witho aled to the performance of services hereunder by Cardina Date:	12 NDC 13 KDC 14 HDC 15 FDC 15 FDC 14 HDC 14 HDC	GROUNDWATER WASTEWATER SOIL	Address: P.D. Grea Cellins & Address: P.D. (30 x) 627 City: Littlehon state: (D zip: 80/60-062 Phone #: 720- 839 - 2550 Fax #: Project Name: JOHNH. Moore SUND Project Name: JOHNH. Moore SUND Project Location: 33021149 1611 10.340541911	arland, Hot
Received By:       Remarks:       Remarks:		$\begin{array}{c} \begin{array}{c} \begin{array}{c} \left( \left( \begin{array}{c} \left( \left( \begin{array}{c} \left( \begin{array}{c} \left( \left( \begin{array}{c} \left( \left( \begin{array}{c} \left( \left( \begin{array}{c} \left( \left( \left( \begin{array}{c} \left( $	QIL SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER : PATE TIME TPH CL BTEX	P.O. #: Company: Alpombus Attn: Greg Cielinsk: Address: P.J. Box627 City: Littleon State: Co zip: 80160-0(2) Bhome of the option	CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 22 of 22

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								TPH				
					Depth of		GRO C6	DRO >C10	EXT DRO			
Date	Sample ID	Point	Latitude	Longitude	Sample	Chlorides	C10*	C28*	>C28-C36	BTEX	Benzene	Comments
4/20/2021	A (H211003-01)	А	33° 21′ 50.70″ N	103° 40′ 54.73″ W	0-3"	11,500	<10	181	89.4	<0.300	<0.05	Chlorides Not compliant
4/20/2021	B (H211003-02)	В	33° 21′ 50.46″ N	103° 40′ 54.70″ W	0-3"	3,760	<10	58.3	20.5	<0.300	<0.05	All compliant
4/20/2021	C (H211003-03)	С	33° 21′ 50.23″ N	103° 40′ 54.69″ W	0-3"	4,800	<10	<10	<10	<0.300	<0.05	All compliant
4/20/2021	D (H211003-04)	D	33° 21′ 50.16″ N	103° 40′ 54.46″ W	0-3"	3,280	<10	<10	<10	<0.300	<0.05	All compliant
4/20/2021	E (H211003-05)	Е	33° 21′ 50.13″ N	103° 40′ 54.17″ W	0-3"	5,040	<10	<10	<10	<0.300	<0.05	All compliant
4/20/2021	F (H211003-06)	F	33° 21′ 50.05″ N	103° 40′ 53.86″ W	0-3"	3,280	<10	<10	<10	<0.300	<0.05	All compliant
4/20/2021	G (H211003-07)	G	33° 21′ 50.04″ N	103° 40′ 53.63″ W	0-3"	560	<10	<10	<10	<0.300	<0.05	All compliant
4/20/2021	H (H211003-08)	Н	33° 21′ 50.25″ N	103° 40′ 53.66″ W	0-3"	8,660	<10	<10	<10	<0.300	<0.05	All compliant
4/20/2021	I (H211003-09)	I	33° 21′ 50.50″ N	103° 40′ 53.74″ W	0-3"	400	<10	<10	<10	<0.300	<0.05	All compliant
4/20/2021	J (H211003-10)	J	33° 21′ 50.59″ N	103° 40′ 53.81″ W	0-3"	400	<10	<10	<10	<0.300	<0.05	All compliant
4/20/2021	K (H211003-11)	К	33° 21′ 50.76″ N	103° 40′ 53.73″ W	0-3"	176	<10	<10	<10	<0.300	<0.05	All compliant
4/20/2021	L (H211003-12)	L	33° 21′ 50.88″ N	103° 40′ 54.08″ W	0-3"	2,280	<10	10.4	<10	<0.300	<0.05	All compliant
4/20/2021	M (H211003-13)	М	33° 21′ 51.12″ N	103° 40′ 54.23″ W	0-3"	384	<10	<10	<10	<0.300	<0.05	All compliant
4/20/2021	N (H211003-14)	Ν	33° 21′ 51.07″ N	103° 40′ 54.47″ W	0-3"	16,600	<10	<10	<10	<0.300	< 0.05	Chlorides Not compliant
4/20/2021	O (H211003-15)	0	33° 21′ 51.03″ N	103° 40′ 54.77″ W	0-3"	7,040	<10	<10	<10	<0.300	< 0.05	All compliant
4/20/2021	P (H211003-16)	Р	33° 21′ 50.86″ N	103° 40′ 54.79″ W	0-3"	4,840	<10	83	33.5	<0.300	< 0.05	All compliant
4/20/2021	Q (H211003-17)	Q	33° 21′ 50.69″ N	103° 40′ 54.75″ W	0-3"	29,200	<10	183	198	<0.300	< 0.05	Chlorides Not compliant
5/3/2021	R (H211120-01)	R	33° 21′ 50.20″ N	103° 40′ 54.83″ W	0-3"	2,920	<10	<10	<10	<0.300	< 0.05	All compliant
5/3/2021	S (H211120-02)	S	33° 21′ 50.04″ N	103° 40′ 55.01″ W	0-3"	96	<10	<10	<10	<0.300	< 0.05	All compliant
5/3/2021	T (H211120-03)	Т	33° 21′ 50.08″ N	103° 40′ 55.23″ W	0-3"	32	<10	<10	<10	<0.300	< 0.05	All compliant
5/3/2021	U (H211120-04)	U	33° 21′ 50.59″ N	103° 40′ 55.22″ W	0-3"	656	<10	<10	<10	<0.300	< 0.05	All compliant
5/3/2021	V (H211120-05)	V	33° 21′ 50.83″ N	103° 40′ 55.11″ W	0-3"	3,160	<10	222	132	<0.300	< 0.05	All compliant
5/3/2021	W (H211120-06)	W	33° 21′ 51.16″ N	103° 40′ 55.00″ W	0-3"	192	<10	<10	<10	<0.300	< 0.05	All compliant
6/9/2021	Q D6 (H211489-01)	Q D6	33° 21′ 50.48″ N	103° 40′ 54.19″ W	3-6"	832	<10	11.2	<10	<0.300	< 0.05	All compliant
6/9/2021	R D6 (H211489-02)	R D6	33° 21′ 50.14″ N	103° 40′ 55.00″ W	3-6"	336	<10	<10	<10	<0.300	< 0.05	All compliant
6/9/2021	S D6 (H211489-03)	SD6	33° 21′ 50.13″ N	103° 40′ 55.29″ W	3-6"	96	<10	<10	<10	<0.300	< 0.05	All compliant
6/9/2021	T D6 (H211489-04)	TD6	33° 21′ 50.18″ N	103° 40′ 54.97″ W	3-6"	1,310	<10	<10	<10	<0.300	<0.05	All compliant
6/9/2021	QSTM D6 (H211489-05)	QSTMD6	33° 21′ 50.35″ N	103° 40′ 55.08″ W	3-6"	240	<10	<10	<10	<0.300	<0.05	All compliant
6/9/2021	C D6 (H211489-06)	CD6	33° 21′ 50.27″ N	103° 40′ 54.56″	3-6"	1,500	<10	<10	<10	<0.300	<0.05	All compliant
6/9/2021	B D6 (H211489-07)	BD6	33° 21′ 50.42″ N	103° 40′ 54.72″ W	3-6"	1,570	<10	<10	<10	<0.300	<0.05	All compliant
6/9/2021	Q2 D6 (H211489-08)	Q2D6	33° 21′ 50.79″ N	103° 40′ 54.62″ W	3-6"	2,840	<10	<10	<10	<0.300	<0.05	All compliant
6/9/2021	W D6 (H211489-09)	WD6	33° 21′ 51.05″ N	103° 40′ 54.85″ W	3-6"	784	<10	11.1	<10	<0.300	<0.05	All compliant
6/9/2021	V D6 (H211489-10)	VD6	33° 21′ 50.75″ N	103° 40′ 55.11″ W	3-6"	1,360	<10	265	442	<0.300	<0.05	All compliant
6/9/2021	O D6 (H211489-11)	OD6	33° 21′ 51.01″ N	103° 40′ 54.77″ W	3-6"	5,040	<10	<10	<10	<0.300	<0.05	All compliant
6/9/2021	M D6 (H211489-12)	MD6	33° 21′ 51.22″ N	103° 40′ 54.06″ W	3-6"	800	<10	<10	<10	<0.300	<0.05	All compliant
6/9/2021	K D6 (H211489-13)	KD6	33° 21′ 50.64″ N	103° 40′ 53.84″ W	3-6"	672	<10	<10	<10	<0.300	<0.05	All compliant
6/9/2021	H D6 (H211489-14)	HD6	33° 21′ 50.35″ N	103° 40′ 53.63″ W	3-6"	4,360	<10	<10	<10	<0.300	<0.05	All compliant
6/9/2021	F D6 (H211489-15)	FD6	33° 21′ 49.83″ N	103° 40′ 53.90″ W	3-6"	2,480	<10	<10	<10	<0.300	<0.05	All compliant
6/9/2021	E D6 (H211489-16)	ED6	33° 21′ 50.15″ N	103° 40′ 54.26″ W	3-6"	3,640	<10	<10	<10	<0.300	<0.05	All compliant
6/9/2021	D D6 (H211489-17)	DD6	33° 21′ 50.05″ N	103° 40′ 54.41″ W	3-6"	2,760	<10	<10	<10	<0.300	<0.05	All compliant
6/9/2021	BC DM6 (H211489-18)	BCDM6	33° 21′ 50.22″ N	103° 40′ 54.50″ W	3-6"	576	<10	14.6	<10	<0.300	< 0.05	All compliant

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L&F OILFIELD SERVICES,LLC 49 FALCON RD LCVINGTON,NM 88260

## Invoice

Date	Invoice No.
01/26/21	4775

	Location		Due Date	Terms
	MOORE DEVONIAN COOP SWD#3	02/25/21	Net 30	
ltem	Description	Quantity	Rate	
2 MAN CREW	DROVE TO WELL# MOORE DEVONIAN COOP SWD#3 TO FIX LEAK AT INJECTION WELL LINE. HAD TO CUT AND GROOVE A 4 FOOT 3" LINE COATED,ALSO REPLACED A 3" TRANSITION HAD TO DRIVE TO TATUM PARTS STORE.	5.5	70.00	Amount 385.00
FUSING MACHINE SUPPLIES	ONE FOUR FOOT 3" COATED PIPE.		80.00	80.00
SUPPLIES	TWO 3" VIC CLAMPS.		175.00 97.02	175.00 <sup>-</sup> 97.02 <sup>-</sup>
	Eddie Javarmillo		Subtotal	¢707.00
	yaramano		Sales Tax (5.5%)	\$737.02
			otal	\$40.54 \$777.56

L&F OILFIELD SERVICES,LLC 49 FALCON RD LOVINGTON,NM 88260

## Invoice

Date	Invoice No.
01/28/21	4787

	Location		Due Date	Terms
	MOORE DEVONIAN COOP SWD#3		02/27/21	Net 30
ltem	Description	Orrentla		
2 MAN CREW	DROVE TO TATUM PARTS PICK UP PANELS AND	Quantity	Rate	Amount
	T-POST DROVE TO WELL#MOORE DEVONIAN COOP SWD AND MADE A FENCE AROUND INJECTION WELL. PUT NEW GAUGE ON CASING.ON TOP OF TUBING THE DUMP VALVE HAD A BROKEN 1/2 INCH NIPPLE BROKEN WITH A TEE AND GAUGE. HAD TO EXTRACT THE BROKEN 1/2 INCH NIPPLE AND REPLACE WITH NEW GAUGE.	4.5	70.00	315.00
SUPPLIES	ONE 0 TO 300 GAUGE.		15.00	15.007
	· · · · ·			
			-	
	Eddie ( Janamillo	S	ubtotal	\$330.00
		S	ales Tax (5.5%)	\$18.15
		T	otal	\$348.15

L&F OILFIELD SERVICES,LLC 49 FALCON RD LOVINGTON,NM 88260

## Invoice

Date	Invoice No.		
02/05/21	4810		

	Location		Due Date	Terms
MOORE DEVONIAN COOP SWD#3			03/07/21	Net 30
ltem	Description	Quantity		
BACKHOE	DROVE TO WELL# MOORE DEVONIAN COOP SWD DISCONNECTED FLOW LINE TO WELL AND STARTED SCRAPING ALL THE AREA WHERE THE PRODUCE WATER SPILL ON LOCATION.LOADED THE DIRT ON BELLY DUMP THEN CONNECTED THE FLOW LINE BACK TO WELL.	Quantity 7	Rate 70.00	Amount 490.00
	Eddie Jaramillo		Subtotal	\$490.00
			Sales Tax (5.5%)	\$26.95
			Total	\$516.95

L&F OILFIELD SERVICES,LLC 49 FALCON RD LOVINGTON;,NM 88260

## Invoice

Date	Invoice No.
02/05/21	NO1262

	Location		Due Date	Terms
	MOORE DEVONIAN COOP SWD#3		03/07/21	Net 30
Item	Description	Quantity	Rate	Amount
Belly Dump	HAULED 20 YARDS OF CONTAMINATED SOIL TO GANDY MARLEY SWD.	7	95.00	665.00 <sup>-</sup>
	Eddis J. Janamillo	S	ubtotal	\$665.00
		S	ales Tax (5.5%)	\$36.58
		Та	otal	\$701.58

L&F OILFIELD SERVICES,LLC 49 FALCON RD LOVINGTON, NM 88260

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Date	Invoice No	
04/20/21	4959	

	Location		Due Date	Terms
	MOORE DEVONIAN COOP SWD	05/20/21	Net 30	
Item	Description	Quantity	Rate	Amount
2 MAN CREW	HELP ENVIRONMENTAL LADY DO ALL THE SOIL TESTING.	7	70.00	490.00T
	Eddie J. Jonamillo		Subtotal Sales Tax (5.5%)	\$490.00
			Total	\$516.95

L&F OILFIELD SERVICES,LLC 49 FALCON RD LOVINGTON,NM 88260

## Invoice

Date	Invoice No.
04/20/21	4958

	Location		Due Date	Terms
JOHN H MOORE DEVONIAN SWD		05/20/21	Net 30	
ltem	Description	Quantity	Rate	Amount
BACKHOE	DROVE TO WELL MOORE DEVONIAN COOP SWD WITH ENVIRONMENTAL LADY THEN TOOK BACKHOE TO CALICHE PIT AND LOADED CALICHE ON BELLY DUMP.	12.5	70.00	875.00T
	Eddie J. Jaramith		Subtotal Sales Tax (5.5%)	\$875.00
			Total	\$923.13

L&F OILFIELD SERVICES,LLC 49 FALCON RD LCVINGTON,NM 88260

# Page 71 of 79

Date	Invoice No.
04/20/21	NO1356

	Location	×	Due Date	Terms
	JOHN H MOORE DEVONIAN SWD		05/20/21	Net 30
Item	Description	Quantity	Rate	Amount
BELLY DUMP	DROVE TO WELL# MOORE DEVONIAN COOP SWD SYSTEM #3 MET WITH ENVIRONMENTAL LADY MONICA TO MEASURE THE CONTAMINATED AREA. THEN STARTED TO HAUL LOADS OF CALICHE FROM PIT TO JOHN H MOORE DEVONIAN SWD BATTERY.	7.5	95.00	712.507
	Eddre J. Jaramitte	5	Subtotal	\$712.50
		5	Sales Tax (5.5%)	\$39.19
		1	Total	\$751.69

L&F OILFIELD SERVICES,LLC 49 FALCON RD LOVINGTON,NM 88260

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## Invoice

Date	Invoice No.
05/03/21	4977

	Location		Due Date	Terms
	MOORE DEVONIAN COOP SWD		06/02/21	Net 30
Item	Description	Quantity	Rate	Amount
2 MAN CREW	DROVE TO WELL# MOORE DEVONIAN COOP SWD TO HELP ENVIRONMENTAL LADY TAKE SOME DIRT SAMPLES. ALSO STOPED AT SWD AND PICKED UP ALL THE PIPE THREAD PROTECTORS.	4	70.00	280.007
	Eddie J. Jaramits	and the second second	Subtotal	\$280.00
	/ /	:	Sales Tax (5.5%)	\$15.40
		-	Total	\$295.40

L&F OILFIELD SERVICES,LLC 49 FALCON RD LOVINGTON,NM 88260 Page 73 of 79

Date	Invoice No.
06/09/21	5063

	Location		Due Date	Terms
	MOORE DEVONIAN COOP SWD		07/09/21	Net 30
ltem		Quantity	Rate	Amount
Item BACKHOE	Description DROVE TO WELL# MOORE DEVONIAN COOP SWD SYSTEM#3 TO DIG TEST HOLES FOR ENVIROMENTAL LADY.	Quantity 4.5	80.00	360.00T
	Eddie J. Janamillo		Subtotal Sales Tax (5.5%) Total	\$360.00 \$19.80 \$379.80

L&F OILFIELD SERVICES,LLC 49 FALCON RD LOVINGTON,NM 88260

## Invoice

Date	Invoice No
06/09/21	5064

	Location		Due Date	Terms
	MOORE DEVONIAN COOP SWD		07/09/21	Net 30
ltem	Description	Quantity	Rate	Amount
2 MAN CREW	DROVE TO WELL# MOORE DEVONIAN COOP SWD SYSTEM 3 TO HELP ENVIRONMENTAL LADY WITH THE SAMPLES.	4.5	75.00	337.50
	Eddi J. Jarameth	S	Subtotal Sales Tax (5.5%)	\$337.50 \$18.56 \$356.06

## GANDY MARLEY, INC.

PO BOX 1658 ROSWELL, NM 88202 USA

Voice: 575-347-0434 Fax: 575-347-0435

RHOMBUS OPERATING

LITTLETON, CO 80160

Bill To:

PO BOX 627

## INVOICE

Invoice Number: 31278 Invoice Date: Feb 9, 2021 Page: 1

Duplicate

Ship to:

**PO BOX 627** 

**RHOMBUS OPERATING** 

LITTLETON, CO 80160

**Customer ID Customer PO** Payment Terms RHOMBUS MOORE DEVONIAN COOP Net 30 Days Sales Rep ID Shipping Method Ship Date **Due Date** Courier 3/11/21

Quantity Item	Description	Unit Price	Amount
20.00 OCD EXEMPT SO	ILS OCD EXEMPT SOILS DISPOSAL	20.00	400.00
	Subtotal		400.00
	Sales Tax		400.00
	Total Invoice Amount		426.08
Check/Credit Memo No:	Payment/Credit Applied		-20.00
	TOTAL		426.08

Received by OCD: 8/10/2021 12:00 NEW MERICO NON-HAZARDOUS OILFIELD WASTE MANIFEST / DISPOSAL TICKET

Name	
Phone No	

SUPERIOR PRINTING SERVICE, INC.

M_inc	34683	3	-		Phone No
τ ρ	1	GENERATO			-
Operator No E G		l	_ease/Well	1º OOTE	Devonian
Operators Name		N	lame & No		COOPSWF
Address		C	ounty		tin the second se
		A	PI No		
City, State, Zip		R	lig Name & No		
Phone No		A	.FE/PO No		······································
TDUOK		DISPOSAL FAC			
	TIME STAMP OUT:			н Name/No. <i>[а</i>	ECEIVING AREA
Site Name / Permit No. Co	mmercial Landfarm (NM-711-1-0	<b>)020)</b> P	hone No. 575-3	847-0434	·······
Address P.O. Box 1658 R		••••••••••••••••••••••••••••••••••••••			· · · · · · · · · · · · · · · · · · ·
Pass the Paint Fi	ilter Test? (Circle One) YES	NO If NO TRANSPORTI		ng > 50 micro roen	tgens? (Circle One) YES N
Transporter's Name	SF Offield	D	river's Name		·
Address					
			hone No		
Phone No			ruck No. <u>12</u>	-	NO. 1262
I hereby certify that the above SHIPMENT DATE	e named material(s) was/were picke	2	sted above and d -5-2021 DELIVERY DA	elivered without inc.	ident to the disposal facility listed belo DRIVER'S SIGNATURE
Exemp	ot E&P Waste/Service Identificat	ion and Amount (Place vol	lume next to wa	iste type in barrel	s or cubic yards)
Oil Based Muds	NON-INJECTA			INJECTABLE WAT	
Oil Based Cuttings		(Non-Injectable)		Washout Water (In	. ,
Water Based Muds Water Based Cuttings		id/Flowback (Non-Injectable) er (Non-Injectable)		Completion Fluid/ Produced Water (I	Flowback (Injectable)
Produced Formation Solids	Gathering Line	Water/Waste (Non-Injectable)		,	ater/Waste (Injectable)
Tank Bottoms	INTERNAL USE			OTHER EXEMPT	
E&P Contaminated Soil Gas Plant Waste	Truck Washout	(Exempt Waste)		(Types and genera	tion process of the waste)
WASTE GENERATION PROCE	:SS: Drilling	Completion	🗆 Produ	ction	Gathering Lines
	- · · ·	·			
(All non-	Non-Exemp -exempt E&P waste must be analyzed a	ot E&P Waste/Service Iden and be below the threshold limit			ness, and reactivity.)
Non-Exempt Other:			<b>•</b> •	Non-Exempt Waste	List on back
QUANTITY:	B - Barrels	L - Liquid	20	Y - Yards	E - Each
		• • • • •			
		<u>C-138</u>			
I hereby certify that according t described waste load is (Check	to the Resource Conservation and Rec	covery Act (RCRA) and the US	Environmental Pro	tection Agency's July	1988 regulatory determination, the above
RCRA EXEMPT:		il and gas exploration and proc onth only basis.)	luction operations	and are not mixed w	ith non-exempt waste. (Gandy Marley, In
RCRA NON-EXEMPT:	Oil field waste which is non-haza regulations, 40 CFR 261.21-261.2 demonstrating the waste as non-t	4, or listed hazardous waste as	defined by 40 CFR	, part 261, subpart D.	ous by characteristics established in RCR as amended. The following documentatic
G MSDS in	nformation	RCRA Hazardous Waste		_	her (Provide Description Below)
EMERGENCY NON-OILFIEI	LD: Emergency non-hazardous, non-co ous waste determination and a de	bilfield waste that has been orde escription of the waste must acc	ered by the Departi company this form.	ment of Public Safety.	(The order, documentation of non-hazard
(PRINT) AUTHORIZED A	AGENTS SIGNATURE	DATE			SIGNATURE
Carlos Ri	Vora 2/5/21	1	GMI	Can	k and
NAME (PRINT)	DATE		TITLE		SIGNATURE

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#### Moore SWD #3 Spill Report EGL Resources Inc.

- 1. Benjamin Pearce, the son of the landowner, notified the NMOCD of a spill at the Moore SWD #3 on the morning of January 26. Gary Robinson of the NMOCD inspected the site that day.
- 2. On January 26, the lease operator, Eddie Jaramillo, had a vacuum truck suck up all free water (5 bbls). The leak was caused by a hole in a corroded portion of the injection line, a few feet from the wellhead. A roustabout gang repaired the corroded pipe.
- 3. On February 5, 20 yards of contaminated soil were removed from the spill site and hauled to Gandy Marley disposal site.
- 4. The Notification of Release C-141A) was filed with the NMOCD on February 8, 2021.
- Email correspondence on March 24 from Mike Bratcher, NMOCD Incident Supervisor: "This release did get assigned an incident number, which you will need to submit the C-141. It is: nAPP2103945261"
- 6. Twin Horse Environmental (Monica Cervantes) was hired in March to help with the sampling and to coordinate the cleanup with the NMOCD.
- 7. On April 20 Monica Cervantes took 17 soil samples from a depth of 0-3" and sent them to the lab for analysis.
- 8. On May 3 Monica Cervantes took 6 soil samples from a depth of 0-3" and sent them to the lab for analysis.
- 9. On June 6 Monica Cervantes took 18 soil samples from a depth of 3-6" and sent them to the lab for analysis.
- 10. Water well data included with this report show six fresh water wells located within about 0.5 miles of the spill site. The depth to ground water for these six wells ranges from 52' to 94'. The applicable portion of 19.15.29.12 NMAC Table 1 "Closure Criteria for Soils Impacted by a Release" is shown here:

Table I           Closure Criteria for Soils Impacted by a Release				
Minimum depth below any point within the horizontal boundary of the release to ground water less than 10,000 mg/l TDS	Constituent	Method*	Limit**	
51 feet-100 feet	Chloride***	EPA 300.0 or SM4500 Cl B	10,000 mg/kg	
	TPH (GRO+DRO+MRO)	EPA SW-846 Method 8015M	2,500 mg/kg	
	GRO+DRO	EPA SW-846 Method 8015M	1,000 mg/kg	
	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg	
	Benzene	EPA SW-846 Method 8021B or 8260B	10 mg/kg	

- 11. A total of 41 soil samples were taken and were analyzed by the Cardinal laboratories. The "Laboratory Data Summary.xlsx" document shows the results of all the laboratory tests and the GPS locations of each sample point. The Sample Point locations are shown in the "Moore SWD Sample Points Locations.jpg" picture files. The flow path of the spill was from the leak point (about 3' from the wellhead on the elevated portion of the injection line) towards Point N.
- 12. Of the 41 soil samples taken, three (Points A, N, and Q) were not in compliance with the Closure Criteria. They had chloride values higher than the 10,000 ppm limit (11500, 16600 and 29200). All other constituents for these 3 samples, and all constituents for the remaining 38 sample points, were in compliance with the Closure Criteria.

#### Proposed Remediation Plan

EGL Resources proposes to remove 15-20 yards of contaminated soil and dispose of it at the Gandy Marley disposal site. The soil to be removed would be within the area encompassed by Points A, N and Q, along with a few feet of adjoining area, from a depth of 0-3". This area is shown by the yellow line on the photo "Moore SWD Proposed Area to Remediate.jpg". We are proposing to not do any additional sampling since all the surrounding sample points, including those below (deeper than) the proposed remediation area, were well within the Closure Criteria limits.

The schedule for doing this work would be as soon as possible after the NMOCD approves the plan (probably within a week or two). The work should all be able to be completed in one day.

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

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District IV

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

CONDITIONS

Operator:	OGRID:
E G L RESOURCES INC	173413
P.O. Box 10886	Action Number:
Midland, TX 79702	40620
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created	Condition	Condition
By		Date
chensley	All (floor/sidewall) closure samples on pad will need to meet closure criteria standards for depth to water of 51'-100' in Table 1 of the Spill Rule. Floor and sidewall composite samples to exceed no greater than 200 sq/ft.	9/20/2021
	The OCD request a additional sample to a depth of 3ft near point A to show delineation. This sample will be to the left of sample A by 2ft next to the wellhead according to your attached picture showing sample points.	9/20/2021

CONDITIONS

Action 40620