

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

December 7, 2020

#5E28980-BG12

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

SUBJECT: Remediation Closure Report for the Cypress #001H Release (NRM2026943478), Eddy County, New Mexico

To Whom it May Concern:

On behalf of Marathon Oil, Permian LLC, Souder, Miller & Associates (SMA) has prepared this Remediation Closure Report that describes the subsequent release of liquids related to oil and gas production activities at the Cypress #001H site. The site is in Unit Letter M, Section 09, Township 23S, Range 27E, Eddy County, New Mexico, on private land. Figure 1 illustrates the vicinity and site location on an USGS 7.5 minute quadrangle map.

Table 1 summarizes release information and Closure Criteria.

	Table 1: Release Information and Closure Criteria				
Name	Cypress #001H	Company	Marathon Oil, Permian LLC		
API Number	30-015-44046	Location	32.313848 -104.202477		
Tracking Number	NRM2026943478				
Estimated Date of Release	September 9, 2020	Date Reported to NMOCD	September 17, 2020		
Land Owner	Private	Reported To	District 2 NMOCD		
Source of Release	Flare				
Released Volume	0.37 BBL	Released Material	Crude Oil		
Recovered Volume	0	Net Release	0.37 BBL		
NMOCD Closure Criteria	>100 feet to groundwater				
SMA Response Dates	11/6/2020				

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### 1.0 Background

On September 16, 2020, a programming error on the inlet separator caused 0.37 bbl. of crude oil to upset from the flare and self-extinguish before hitting the engineered pad. The affected area was approximately a 50 x 50 foot area impacted by an ultra-fine mist. Initial response activities were conducted by Marathon Oil, and included source elimination, containment and site stabilization activities. Figure 1 illustrates the vicinity and site location, Figure 2 illustrates the sample locations The C-141 form is included in Appendix A.

### 2.0 Site Information and Closure Criteria

The Cypress #001H is an active production facility located approximately 10 miles south of Carlsbad, New Mexico on privately-owned land at an elevation of approximately 3148 feet above mean sea level (amsl).

### Depth to Groundwater

Based upon New Mexico Office of the State Engineer (Appendix B), depth to groundwater in the area is estimated to be 150 feet below grade surface (bgs).

### Wellhead Protection Area

There is one known water sources within ½-mile of the location, according to the New Mexico Office of the State Engineer (NMOSE) online water well database.

### Distance to Nearest Significant Watercourse

The nearest significant watercourse is a FEMA flood zone, located approximately 460 feet to the south.

Table 2 demonstrates the Closure Criteria applicable to this location. Figure 2 illustrates the site with 200 and 300-foot radii to indicate that it does not lie within a sensitive area as described in 19.15.29.12.C(4) NMAC.

Based on the information presented herein, the applicable NMOCD Closure Criteria for this site is for a groundwater depth of greater than 100 feet bgs.

### 3.0 Release Characterization and Remediation Activities

On November 6, 2020, SMA arrived on site to confirm that the impacted soil from the flare burp did not exceed the applicable NMOCD Closure Criteria. SMA confirmed this by collecting soil samples that were screened for chloride using an electrical conductivity (EC) meter and for hydrocarbon impacts using a calibrated MiniRAE 3000 photoionization detector (PID) equipped with a 10.6 eV lamp. NMOCD was notified on November 3, 2020 that closure samples were expected to be collected in two (2) business days.

In accordance with the proposed confirmation sampling plan submitted to NMOCD on October 13, 2020 (Appendix C), SMA collected soil samples from the four cardinal directions surrounding the source of the release (CSL1 – CSL4). From each sample location, samples were collected at the surface and at 0.5 feet bgs.

A total of eight (8) samples were collected for laboratory analysis for total chloride using EPA Method 300.0; benzene, toluene, ethylbenzene and total xylenes (BTEX) using EPA Method 8021B; and motor, diesel and gasoline range organics (MRO, DRO, and GRO) by EPA Method 8015D. Samples were placed into laboratory supplied glassware, labeled, and maintained on ice until delivery to Hall Environmental Analysis Laboratory in Albuquerque, New Mexico (Appendix D).

# Cypress #001H (NRM2026943478) Remediation Closure Report December 7, 2020

Figure 3 shows the extent of the area and confirmation sample locations. Laboratory results are summarized in Table 3. Laboratory reports are included in Appendix D.

### 4.0 Site Recommendations

As demonstrated in Table 3, all confirmation samples meet the applicable Closure Criteria and the standards of Table I of 19.15.29.12 NMAC.

SMA recommends no further action and requests closure of Incident Number NRM2026943478.

### 5.0 Scope and Limitations

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

If there are any questions regarding this report, please contact either Ashley Maxwell at 505-320-8975 or Shawna Chubbuck at 505-325-7535.

Submitted by: SOUDER, MILLER & ASSOCIATES Reviewed by:

Ashley Maxwell Project Scientist

Shawna Chubbuck Senior Scientist

### **REFERENCES:**

New Mexico Office of the State Engineer (NMOSE) online water well database https://gis.ose.state.nm.us/gisapps/ose\_pod\_locations/; accessed 11/21/2020

New Mexico Oil Conservation Division http://www.emnrd.state.nm.us/OCD/

### **ATTACHMENTS:**

### **Figures:**

Figure 1: Vicinity and Well Head Protection Map

Figure 2: Surface Water Radius Map

Figure 3: Site and Sample Location Map

### Tables:

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

### **Appendices:**

Appendix A: Form C141 Appendix B: NMOSE Wells Report Appendix C: Sampling Plan, Photo Log Appendix D: Laboratory Analytical Reports Page 4 of 43

# FIGURES

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. Released to Imaging: 2/25/2021 2:25:56 PM

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# TABLES

### Table 2: NMOCD Closure Criteria

Marathon Oil, Permian LLC Cypress #001H NRM2026943478

Site Information (19.15.29.11.A(2, 3, and 4) NMAC)	Source/Notes	
Depth to Groundwater (feet bgs)	150	New Mexico Office of the State Engineer
Hortizontal Distance From All Water Sources Within 1/2 Mile (ft)	1900	United States Geological Survey Topo Map
Hortizontal Distance to Nearest Significant Watercourse (ft)	450	United States Geological Survey Topo Map

Closure Criteria (19.15.29.12.B(4) and Table 1 NMAC)						
	Closure Criteria (units in mg/kg)					
Depth to Groundwater		Chloride *numerical limit or background, whichever is greater	ТРН	GRO + DRO	BTEX	Benzene
< 50' BGS		600	100		50	10
51' to 100'		10000	2500	1000	50	10
>100'	Х	20000	2500	1000	50	10
Surface Water yes or no			if ye	s, then		
<300' from continuously flowing watercourse or other significant watercourse? <200' from lakebed, sinkhole or playa lake? Water Well or Water Source	No No	-				
<500 feet from spring or a private, domestic fresh water well used by less than 5 households for domestic or stock watering purposes? <1000' from fresh water well or spring?	No No					
Human and Other Areas		600	100		50	10
<300' from an occupied permanent residence, school, hospital, institution or church? within incorporated municipal boundaries or within a defined municipal fresh water well field?	No					
<100' from wetland? No						
within area overlying a subsurface mine No						
within an unstable area?	No					
within a 100-year floodplain?	No					

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Marathon Oil Permian, LLC

### Table 3: Summary of Sample Results

Cypress #001H
NRM2026943478

		Depth of Sample	Action	Method 8021B		Method 8015D			Method 300.0	
Sample ID	Sample Date	(feet bgs)	Taken	BTEX	Benzene	GRO	DRO	MRO	Total TPH	Cl-
				mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
	NMOCD Closure Criteria		50	10	10	00		2500	20,000	
				Confirmatio	n Sampling Ev	ent				
CSL1	11/6/2020	Surface		<0.221	<0.025	<4.9	130	140	270	<60
CSLI	11/0/2020	0.5		<0.225	<0.025	<5.0	13	<45	13	66
CSL2	11/6/2020	Surface		<0.220	<0.024	<4.9	<10	<50	<64.9	<60
CSLZ	11/0/2020	0.5	In-Situ	<0.216	<0.024	<4.8	<9.6	<48	<62.4	120
C(1)2	11/6/2020	Surface	iii-Situ	<0.224	<0.025	<5.0	<9.6	<48	<62.6	1300
CSLS	CSL3 11/6/2020	0.5		<0.218	<0.024	<4.8	<9.3	<46	<60.1	1400
CSLA		Surface		<0.219	<0.024	<4.9	27	<48	27	<59
CSL4 11/6/2020	11/0/2020	0.5		<0.221	<0.025	<4.9	<9.4	<47	<61.3	<60

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# APPENDIX A FORM C141

District I 1625 N. French Dr., Hobbs, NM 88240 District II 811 S. First St., Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505 State of New Mexico Energy Minerals and Natural Resources Department

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Form C-141 Parised August 24, 2018

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

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Incident ID	NRM2026943478
District RP	
Facility ID	
Application ID	

## **Release Notification**

### **Responsible Party**

Responsible Party Marathon Oil Permian LLC	OGRID 372098
Contact Name Melodie Sanjari	Contact Telephone 575-988-8753
Contact email msanjari@marathonoil.com	Incident # (assigned by OCD)
Contact mailing address 4111 S. Tidwell Rd., Carlsbad, NM 8220	

### **Location of Release Source**

Latitude 32.313848

Longitude <u>-104.202477</u> (NAD 83 in decimal degrees to 5 decimal places)

Site Name: Cypress #001H	Site Type: Oil & Gas Facility
Date Release Discovered: 9/16/2020	API# (if applicable) 30-015-44046

Unit Letter	Section	Township	Range	County
М	09	238	27E	Eddy

Surface Owner: State Federal Tribal Private (Name:

### Nature and Volume of Release

Materi	al(s) Released (Select all that apply and attach calculations or specific	: justification for the volumes provided below)
Crude Oil	Volume Released (bbls) 0.37 bbl.	Volume Recovered (bbls)
Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	Yes No
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

A programming error on the inlet separator resulted in 0.37 bbl. of oil upsetting from the flare, igniting and self-extinguishing before hitting the ground as a 50 x 50' ultrafine mist on the engineered pad.

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age 2 Oil Conservation Division	District RP		
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Was this a major If YES, for what reason(s) does the responsible part   release as defined by 19.15.29.7(A) 2(a) (Fire)   Yes No		ty consider this a major release?	?
If YES, was immediate no Yes by MOC on 9/17 via	otice given to the OCD? By whom? To whom? Wh email to District 2 Staff	en and by what means (phone, o	email, etc)?

### **Initial Response**

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

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

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

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

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

If all the actions described above have <u>not</u> been undertaken, explain why:

Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation. Lhereby 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:Melodie Sanjari	Title:Environmental Professional
Signature: <u>Melodie Sanjari</u>	Date: 9/22/20
email: <u>msanjari@marathonoil.com</u>	Telephone: <u>575-988-8753</u>
OCD Only	
Received by: Ramona Marcus	Date: <u>9/25/2020</u>

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### Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	<u>150</u> (ft bgs)
Did this release impact groundwater or surface water?	🗌 Yes 🔀 No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	🗌 Yes 🔀 No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	🗌 Yes 🔀 No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	🗌 Yes 🔀 No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	🗌 Yes 🔀 No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	🗌 Yes 🔀 No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	🗌 Yes 🔀 No
Are the lateral extents of the release within 300 feet of a wetland?	🗌 Yes 🔀 No
Are the lateral extents of the release overlying a subsurface mine?	🗌 Yes 🙀 No
Are the lateral extents of the release overlying an unstable area such as karst geology?	🗌 Yes 🔀 No
Are the lateral extents of the release within a 100-year floodplain?	🗌 Yes 🗙 No
Did the release impact areas <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
- Field Field
- Data table of soil contaminant concentration data
- Depth to water determination
- Determination of water sources and significant watercourses within <sup>1</sup>/<sub>2</sub>-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.

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			Incident ID	NRM2026943478
Page 4	Oil Conservation Division		District RP	
			Facility ID	
			Application ID	
regulations all operators are requirendanger public health or the environment. In addition, OCD a state, or local laws and/or regulated Printed Name: Melodie	ion given above is true and complete to the ired to report and/or file certain release not vironment. The acceptance of a C-141 report ely investigate and remediate contamination acceptance of a C-141 report does not reliev- tions.	ifications and perform ort by the OCD does no on that pose a threat to give the operator of respo Title: Er	corrective actions for rele of relieve the operator of h groundwater, surface wate	eases which may iability should their er, human health or the with any other federal,
email: msanjari@marathonoil	.com Telephone: 575-988-	-8753		
OCD Only Received by:	·	Date:		

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Oil Conservation Division

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Application ID	

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# Closure

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

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

A scaled site and sampling diagram as described in 19.15.29.11 NMAC

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

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

Description of remediation activities

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

Printed Name: Melodie Sanjari - Environmental Professional

Signature:	<u>Melodíe Sanjari</u>	Date: 12/7/2020

email: msanjari@marathonoil.com

Telephone: 575-988-8753

**OCD Only** 

Received by: Chad Hensley

Date: 02/25/2021

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:02/25/2021
Printed Name: Chad Hensley	Title: Environmental Specialist Advanced

# APPENDIX B NMOSE WELLS REPORT

#### New Mexico Office of the State Engineer × Water Column/Average Depth to Water (A CLW##### in the (R=POD has POD suffix indicates been replaced, the POD has been O=orphaned, replaced & no longer (quarters are 1=NW 2=NE 3=SW 4=SE) serves a water right C=the file is (quarters are smallest to file.) closed) (NAD83 UTM in meters) largest) (In feet) POD Sub-QQQ Water **POD Number** Code basin County 6416 4 Sec Tws Rng Х γ **DistanceDepthWellDepthWaterColumn** C 04044 POD1 CUB ED 3 2 3 09 23S 27E 575504 3575907 . 589 290 150 140 150 feet Average Depth to Water: 150 feet Minimum Depth: Maximum Depth: 150 feet Record Count:1 UTMNAD83 Radius Search (in meters): Easting (X): 575073.63 Northing (Y): 3575503.55 Radius: 804.67

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

2/29/20 11:22 AM

WATER COLUMN/ AVERAGE DEPTH TO WATER

# APPENDIX C SAMPLING PLAN, PHOTO LOG

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From:	Ashley Maxwell
To:	Sanjari, Melodie (MRO); Hamlet, Robert, EMNRD; Venegas, Victoria, EMNRD; Bratcher, Mike, EMNRD
Cc:	Lynn Acosta
Subject:	Re:- Cypress 1H - NRM2026943478
Date:	Tuesday, November 3, 2020 8:12:41 PM
Attachments:	image005.png

#### Good Evening,

SMA will be collecting closure samples at Cypress 1H (NRM2026943478) the on Friday, November 6, 2020 at 8:00am. Please consider this your 48-hour notification.

Thank you, Ashley

Ashley Maxwell Project Scientist

Corporate Registrations: AZ Engineering/Geology/Surveying Firm (14070), ID Engineering/Surveying Firm (C-3564), SD Surveying Firm (C-7436), TX Engineering Firm (8877), TX Geology Firm (50254), TX Surveying Firm (10162200), WY Engineering/Surveying Firm (S-1704)



Souder, Miller & Associates Engineering ♦ Environmental ♦ Geomatics 401 W Broadway Farmington, New Mexico 87401 <u>www.soudermiller.com</u> (505) 320-8975 (mobile) (505) 325-7535 (office) (505) 326-0045 (fax)



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#### From: Sanjari, Melodie (MRO)

Sent: Tuesday, October 13, 2020 9:49 AM

**To:** Venegas, Victoria, EMNRD <<u>Victoria.Venegas@state.nm.us</u>>; Hamlet, Robert, EMNRD <<u>Robert.Hamlet@state.nm.us</u>>; Bratcher, Mike, EMNRD <<u>mike.bratcher@state.nm.us</u>>

Subject: Marathon Oil Company - Proposed Sampling Plan/Variance - Cypress 1H - NRM2026943478

Good Morning,

In attempt to increase communication and awareness prior to requesting closure, I'm proposing a sampling plan/variance for incident NRM2026943478 associated with the flare burp at the Cypress 1H. As the 0.37 bbl. of oil that was released from the flare self-extinguished before reaching the ground, I am confident that the samples that will be collected to characterize the incident would be under the remedial action levels and could therefor also potentially serve as closure confirmation samples as well. Sample locations L1-L4, illustrated below, will be collected all four cardinal directions around the source (flare) at the surface and at 0.5' and will be sent to the lab and analyzed for Chloride, BTEX and TPH.



Please let me know your thoughts as the sampling event is scheduled for November  $2^{nd}$ .

Thank you

### Melodie Sanjari

Environmental Professional Permian Basin Mobile: (575) 988-8753



# Cypress #001H NRM2026943478



# APPENDIX D LABORATORY ANALYTICAL REPORTS



November 16, 2020

Ashley Maxwell Souder, Miller & Associates 201 S Halagueno Carlsbad, NM 88221 TEL: FAX: Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: clients.hallenvironmental.com

RE: Cypress 1H

OrderNo.: 2011463

Dear Ashley Maxwell:

Hall Environmental Analysis Laboratory received 8 sample(s) on 11/7/2020 for the analyses presented in the following report.

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

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

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

Sincerely,

Andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2011463

Date Reported: 11/16/2020

CLIENT: Souder, Miller & Associates	Client Sample ID: CSL1						
Project: Cypress 1H	Collection Date: 11/6/2020 8:15:00 AM						
Lab ID: 2011463-001	Matrix: SOIL		<b>Received Dat</b>	e: 11	/7/2020 7:40:00 AM		
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS					Analyst:	VP	
Chloride	ND	60	mg/Kg	20	11/14/2020 9:26:59 AM	56427	
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst:	BRM	
Diesel Range Organics (DRO)	130	9.4	mg/Kg	1	11/11/2020 9:39:13 AM	56302	
Motor Oil Range Organics (MRO)	140	47	mg/Kg	1	11/11/2020 9:39:13 AM	56302	
Surr: DNOP	73.7	30.4-154	%Rec	1	11/11/2020 9:39:13 AM	56302	
EPA METHOD 8015D: GASOLINE RANGE					Analyst:	NSB	
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	11/11/2020 9:45:08 PM	56286	
Surr: BFB	87.2	75.3-105	%Rec	1	11/11/2020 9:45:08 PM	56286	
EPA METHOD 8021B: VOLATILES					Analyst:	NSB	
Benzene	ND	0.025	mg/Kg	1	11/11/2020 9:45:08 PM	56286	
Toluene	ND	0.049	mg/Kg	1	11/11/2020 9:45:08 PM	56286	
Ethylbenzene	ND	0.049	mg/Kg	1	11/11/2020 9:45:08 PM	56286	
Xylenes, Total	ND	0.098	mg/Kg	1	11/11/2020 9:45:08 PM	56286	
Surr: 4-Bromofluorobenzene	94.7	80-120	%Rec	1	11/11/2020 9:45:08 PM	56286	

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

**Qualifiers:** 

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

в Analyte detected in the associated Method Blank

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

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### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2011463

Date Reported: 11/16/2020

CLIENT: Souder, Miller & Associates	Client Sample ID: CSL1						
<b>Project:</b> Cypress 1H	Collection Date: 11/6/2020 8:15:00 AM						
Lab ID: 2011463-002	Matrix: SOIL   Received Date: 11/7/2020 7:40:00						
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS					Analyst	: VP	
Chloride	66	61	mg/Kg	20	11/14/2020 10:04:13 A	M 56427	
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	BRM	
Diesel Range Organics (DRO)	13	9.1	mg/Kg	1	11/11/2020 10:51:19 A	M 56302	
Motor Oil Range Organics (MRO)	ND	45	mg/Kg	1	11/11/2020 10:51:19 A	M 56302	
Surr: DNOP	56.9	30.4-154	%Rec	1	11/11/2020 10:51:19 A	M 56302	
EPA METHOD 8015D: GASOLINE RANGE	E				Analyst	: NSB	
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	11/11/2020 10:55:17 P	M 56286	
Surr: BFB	89.7	75.3-105	%Rec	1	11/11/2020 10:55:17 P	M 56286	
EPA METHOD 8021B: VOLATILES					Analyst	: NSB	
Benzene	ND	0.025	mg/Kg	1	11/11/2020 10:55:17 P	M 56286	
Toluene	ND	0.050	mg/Kg	1	11/11/2020 10:55:17 P	M 56286	
Ethylbenzene	ND	0.050	mg/Kg	1	11/11/2020 10:55:17 P	M 56286	
Xylenes, Total	ND	0.10	mg/Kg	1	11/11/2020 10:55:17 P	M 56286	
Surr: 4-Bromofluorobenzene	98.4	80-120	%Rec	1	11/11/2020 10:55:17 P	M 56286	

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

**Qualifiers:** 

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

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

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### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2011463

Date Reported: 11/16/2020

CLIENT: Souder, Miller & Associates	Client Sample ID: CSL2     Collection Date: 11/6/2020 8:29:00 AM     Matrix: SOIL   Received Date: 11/7/2020 7:40:00 AM					
Project:   Cypress 1H     Lab ID:   2011463-003						
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analy	st: VP
Chloride	ND	60	mg/Kg	20	11/14/2020 10:16:37	AM 56427
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analy	st: BRM
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	11/11/2020 11:15:22	AM 56302
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	11/11/2020 11:15:22	AM 56302
Surr: DNOP	45.5	30.4-154	%Rec	1	11/11/2020 11:15:22	AM 56302
EPA METHOD 8015D: GASOLINE RANGE					Analy	st: NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	11/12/2020 12:05:11	AM 56286
Surr: BFB	87.4	75.3-105	%Rec	1	11/12/2020 12:05:11	AM 56286
EPA METHOD 8021B: VOLATILES					Analy	st: NSB
Benzene	ND	0.024	mg/Kg	1	11/12/2020 12:05:11	AM 56286
Toluene	ND	0.049	mg/Kg	1	11/12/2020 12:05:11	AM 56286
Ethylbenzene	ND	0.049	mg/Kg	1	11/12/2020 12:05:11	AM 56286
Xylenes, Total	ND	0.098	mg/Kg	1	11/12/2020 12:05:11	AM 56286
Surr: 4-Bromofluorobenzene	97.1	80-120	%Rec	1	11/12/2020 12:05:11	AM 56286

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

**Qualifiers:** 

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

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

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### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2011463

Date Reported: 11/16/2020

CLIENT: Souder, Miller & Associates	Client Sample ID: CSL2						
Project: Cypress 1H	Collection Date: 11/6/2020 8:31:00 AM						
Lab ID: 2011463-004	Matrix: SOIL   Received Date: 11/7/2020 7:40:00 Al						
Analyses	Result	RL	Qual Units	DF	Date Analyzed Batch		
EPA METHOD 300.0: ANIONS					Analyst: VP		
Chloride	120	60	mg/Kg	20	11/13/2020 7:23:35 PM 56427		
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: BRM		
Diesel Range Organics (DRO)	ND	9.6	mg/Kg	1	11/11/2020 12:03:24 PM 56302		
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	11/11/2020 12:03:24 PM 56302		
Surr: DNOP	45.9	30.4-154	%Rec	1	11/11/2020 12:03:24 PM 56302		
EPA METHOD 8015D: GASOLINE RANGE	E				Analyst: <b>NSB</b>		
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	11/12/2020 12:28:28 AM 56286		
Surr: BFB	89.2	75.3-105	%Rec	1	11/12/2020 12:28:28 AM 56286		
EPA METHOD 8021B: VOLATILES					Analyst: NSB		
Benzene	ND	0.024	mg/Kg	1	11/12/2020 12:28:28 AM 56286		
Toluene	ND	0.048	mg/Kg	1	11/12/2020 12:28:28 AM 56286		
Ethylbenzene	ND	0.048	mg/Kg	1	11/12/2020 12:28:28 AM 56286		
Xylenes, Total	ND	0.096	mg/Kg	1	11/12/2020 12:28:28 AM 56286		
Surr: 4-Bromofluorobenzene	97.4	80-120	%Rec	1	11/12/2020 12:28:28 AM 56286		

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

**Qualifiers:** 

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

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

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### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2011463

Date Reported: 11/16/2020

CLIENT: Souder, Miller & Associates	Client Sample ID: CSL3						
Project: Cypress 1H	Collection Date: 11/6/2020 8:35:00 AM						
Lab ID: 2011463-005	Matrix: SOIL	/7/2020 7:40:00 AM					
Analyses	Result	RL	Qual Units	DF	Date Analyzed Batch		
EPA METHOD 300.0: ANIONS					Analyst: VP		
Chloride	1300	61	mg/Kg	20	11/13/2020 7:36:00 PM 56427		
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: BRM		
Diesel Range Organics (DRO)	ND	9.6	mg/Kg	1	11/11/2020 12:27:17 PM 56302		
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	11/11/2020 12:27:17 PM 56302		
Surr: DNOP	40.4	30.4-154	%Rec	1	11/11/2020 12:27:17 PM 56302		
EPA METHOD 8015D: GASOLINE RANGE					Analyst: NSB		
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	11/12/2020 12:51:41 AM 56286		
Surr: BFB	88.5	75.3-105	%Rec	1	11/12/2020 12:51:41 AM 56286		
EPA METHOD 8021B: VOLATILES					Analyst: NSB		
Benzene	ND	0.025	mg/Kg	1	11/12/2020 12:51:41 AM 56286		
Toluene	ND	0.050	mg/Kg	1	11/12/2020 12:51:41 AM 56286		
Ethylbenzene	ND	0.050	mg/Kg	1	11/12/2020 12:51:41 AM 56286		
Xylenes, Total	ND	0.099	mg/Kg	1	11/12/2020 12:51:41 AM 56286		
Surr: 4-Bromofluorobenzene	96.5	80-120	%Rec	1	11/12/2020 12:51:41 AM 56286		

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

**Qualifiers:** 

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

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

RL Reporting Limit Page 5 of 14

### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2011463

Date Reported: 11/16/2020

CLIENT: Souder, Miller & Associates Project: Cypress 1H				ample II tion Dat		SL3 /6/2020 8:35:00 AM	
<b>Lab ID:</b> 2011463-006	Matrix: SOIL		Recei	ved Dat	<b>e:</b> 11/	/7/2020 7:40:00 AM	
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analys	t: VP
Chloride	1400	60		mg/Kg	20	11/13/2020 7:48:24 PM	1 56427
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS					Analys	t: BRM
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	11/11/2020 12:51:19 P	M 56302
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	11/11/2020 12:51:19 P	M 56302
Surr: DNOP	25.4	30.4-154	S	%Rec	1	11/11/2020 12:51:19 P	M 56302
EPA METHOD 8015D: GASOLINE RANGE						Analys	t: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	11/12/2020 1:14:58 AM	1 56286
Surr: BFB	88.4	75.3-105		%Rec	1	11/12/2020 1:14:58 AM	1 56286
EPA METHOD 8021B: VOLATILES						Analys	t: NSB
Benzene	ND	0.024		mg/Kg	1	11/12/2020 1:14:58 AM	1 56286
Toluene	ND	0.048		mg/Kg	1	11/12/2020 1:14:58 AM	1 56286
Ethylbenzene	ND	0.048		mg/Kg	1	11/12/2020 1:14:58 AM	1 56286
Xylenes, Total	ND	0.096		mg/Kg	1	11/12/2020 1:14:58 AM	1 56286
Surr: 4-Bromofluorobenzene	96.6	80-120		%Rec	1	11/12/2020 1:14:58 AM	1 56286

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

**Qualifiers:** 

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

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

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### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2011463

Date Reported: 11/16/2020

CLIENT: Souder, Miller & Associates		Cl	ient Sample II	D:CS	SL4	
Project: Cypress 1H		(	Collection Dat	<b>e:</b> 11	/6/2020 8:40:00 AM	
Lab ID: 2011463-007	Matrix: SOIL		<b>Received Dat</b>	<b>e:</b> 11	/7/2020 7:40:00 AM	
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst:	VP
Chloride	ND	59	mg/Kg	20	11/13/2020 8:00:49 PM	56427
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst:	BRM
Diesel Range Organics (DRO)	27	9.6	mg/Kg	1	11/11/2020 1:15:02 PM	56302
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	11/11/2020 1:15:02 PM	56302
Surr: DNOP	37.9	30.4-154	%Rec	1	11/11/2020 1:15:02 PM	56302
EPA METHOD 8015D: GASOLINE RANGE					Analyst:	NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	11/12/2020 1:38:12 AM	56286
Surr: BFB	86.9	75.3-105	%Rec	1	11/12/2020 1:38:12 AM	56286
EPA METHOD 8021B: VOLATILES					Analyst:	NSB
Benzene	ND	0.024	mg/Kg	1	11/12/2020 1:38:12 AM	56286
Toluene	ND	0.049	mg/Kg	1	11/12/2020 1:38:12 AM	56286
Ethylbenzene	ND	0.049	mg/Kg	1	11/12/2020 1:38:12 AM	56286
Xylenes, Total	ND	0.097	mg/Kg	1	11/12/2020 1:38:12 AM	56286
Surr: 4-Bromofluorobenzene	95.7	80-120	%Rec	1	11/12/2020 1:38:12 AM	56286

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

**Qualifiers:** 

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

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

RL Reporting Limit Page 7 of 14

### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2011463

Date Reported: 11/16/2020

CLIENT: Souder, Miller & Associates		Cl	ient Sa	ample II	D: CS	SL4	
Project: Cypress 1H		(	Collect	tion Dat	<b>e:</b> 11	/6/2020 8:40:00 AM	
Lab ID: 2011463-008	Matrix: SOIL		Recei	ved Dat	<b>e:</b> 11	/7/2020 7:40:00 AM	
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	: VP
Chloride	ND	60		mg/Kg	20	11/13/2020 8:13:13 PM	56427
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS					Analyst	BRM
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	11/11/2020 1:39:07 PM	56302
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	11/11/2020 1:39:07 PM	56302
Surr: DNOP	28.4	30.4-154	S	%Rec	1	11/11/2020 1:39:07 PM	56302
EPA METHOD 8015D: GASOLINE RANGE						Analyst	NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	11/12/2020 2:01:26 AM	56286
Surr: BFB	86.7	75.3-105		%Rec	1	11/12/2020 2:01:26 AM	56286
EPA METHOD 8021B: VOLATILES						Analyst	NSB
Benzene	ND	0.025		mg/Kg	1	11/12/2020 2:01:26 AM	56286
Toluene	ND	0.049		mg/Kg	1	11/12/2020 2:01:26 AM	56286
Ethylbenzene	ND	0.049		mg/Kg	1	11/12/2020 2:01:26 AM	56286
Xylenes, Total	ND	0.098		mg/Kg	1	11/12/2020 2:01:26 AM	56286
Surr: 4-Bromofluorobenzene	95.8	80-120		%Rec	1	11/12/2020 2:01:26 AM	56286

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

**Qualifiers:** 

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

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

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Client: Project:	Souder, Cypress	Miller & A 1H	ssociate	es							
Sample ID: MB	-56427	SampT	ype: <b>m</b> t	olk	Tes	tCode: EF	PA Method	300.0: Anion	s		
Client ID: PBS	S	Batch	h ID: 56	427	F	RunNo: 73	3318				
Prep Date: 11	/13/2020	Analysis D	Date: 11	/13/2020	S	SeqNo: 25	582284	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		ND	1.5								
Sample ID: LCS	6-56427	SampT	ype: Ics	;	Tes	tCode: EF	PA Method	300.0: Anion	s		
Client ID: LCS	SS	Batch	h ID: 56	427	F	RunNo: 73	3318				
Prep Date: 11	/13/2020	Analysis D	Date: 11	/13/2020	S	SeqNo: 25	582285	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		14	1.5	15.00	0	93.5	90	110			

#### Qualifiers:

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

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

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2011463

16-Nov-20

Client: Souder, I	Miller & Ass	ociate	s							
Project: Cypress	1H									
Sample ID: LCS-56300	SampTyp	be: LC	s	Tes	tCode: EF	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: LCSS	Batch II				unNo: 7			Ū	U	
Prep Date: 11/9/2020	Analysis Dat	e: 11	/10/2020	S	eqNo: 2	577615	Units: %Red	;		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	3.6		5.000		71.9	30.4	154			
Sample ID: LCS-56302	SampTyp	be: LC	S	Tes	tCode: EF	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: LCSS	Batch II	D: 56	302	R	unNo: 7	3215				
Prep Date: 11/9/2020	Analysis Dat	e: 11	/11/2020	S	eqNo: 2	577616	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	46	10	50.00	0	92.2	70	130			
Surr: DNOP	2.7		5.000		54.8	30.4	154			
Sample ID: MB-56300	SampTyp	De: ME	BLK	Tes	tCode: EF	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: PBS	Batch II	D: 56	300	R	tunNo: 7	3215				
Prep Date: 11/9/2020	Analysis Dat	e: 11	/10/2020	S	eqNo: 2	577617	Units: %Red	;		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	7.9		10.00		79.4	30.4	154			
Sample ID: MB-56302	SampTyp	De: ME	BLK	Tes	tCode: EF	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: PBS	Dotob I	D: 56;	202							
	Balch	0. 00.	502	R	unNo: 7	3215				
Prep Date: 11/9/2020	Analysis Dat				tunNo: 7: SeqNo: 2:		Units: <b>mg/K</b>	g		
-	Analysis Dat		/11/2020		eqNo: 2		Units: <b>mg/K</b> HighLimit	g %RPD	RPDLimit	Qual
Prep Date: 11/9/2020 Analyte Diesel Range Organics (DRO)	Analysis Dat Result ND	e: 11 PQL 10	/11/2020	S	eqNo: 2	577618	•	•	RPDLimit	Qual
Prep Date: 11/9/2020 Analyte Diesel Range Organics (DRO) Motor Oil Range Organics (MRO)	Analysis Dat Result ND ND	e: 11 PQL	/11/2020 SPK value	S	eqNo: <b>2</b> ! %REC	577618 LowLimit	HighLimit	•	RPDLimit	Qual
Prep Date: <b>11/9/2020</b> Analyte Diesel Range Organics (DRO) Motor Oil Range Organics (MRO) Surr: DNOP	Analysis Dat Result ND ND 7.0	e: <b>11</b> PQL 10 50	/11/2020 SPK value 10.00	SPK Ref Val	eqNo: <b>2</b> %REC 69.9	577618 LowLimit 30.4	HighLimit 154	%RPD		Qual
Prep Date: 11/9/2020 Analyte Diesel Range Organics (DRO) Motor Oil Range Organics (MRO) Surr: DNOP Sample ID: 2011463-001AMS	Analysis Dat Result ND ND 7.0 SampTyp	e: 11 PQL 10 50	/11/2020 SPK value 10.00	SPK Ref Val	69.9 69.9	577618 LowLimit 30.4 PA Method	HighLimit	%RPD		Qual
Prep Date: 11/9/2020 Analyte Diesel Range Organics (DRO) Motor Oil Range Organics (MRO) Surr: DNOP Sample ID: 2011463-001AMS Client ID: CSL1	Analysis Dat Result ND ND 7.0 SampTyp Batch II	e: 11 PQL 10 50 De: MS D: 563	/11/2020 SPK value 10.00	SPK Ref Val Tes R	69.9 69.9 Code: Ef	577618 LowLimit 30.4 PA Method 3215	HighLimit 154 8015M/D: Die	%RPD		Qual
Prep Date: 11/9/2020 Analyte Diesel Range Organics (DRO) Motor Oil Range Organics (MRO) Surr: DNOP Sample ID: 2011463-001AMS	Analysis Dat Result ND ND 7.0 SampTyp	e: 11 PQL 10 50 De: MS D: 563	/11/2020 SPK value 10.00	SPK Ref Val Tes R	69.9 69.9	577618 LowLimit 30.4 PA Method 3215	HighLimit 154	%RPD		Qual
Prep Date: 11/9/2020 Analyte Diesel Range Organics (DRO) Motor Oil Range Organics (MRO) Surr: DNOP Sample ID: 2011463-001AMS Client ID: CSL1 Prep Date: 11/9/2020 Analyte	Analysis Dat Result ND ND 7.0 SampTyp Batch II Analysis Dat Result	e: 11 PQL 10 50 D: 56 re: 11 PQL	/11/2020 SPK value 10.00 302 /11/2020 SPK value	SPK Ref Val Tesi R SPK Ref Val	69.9 69.9 Code: EF CunNo: 7: SeqNo: 2 %REC	577618 LowLimit 30.4 PA Method 3215 578962 LowLimit	HighLimit 154 8015M/D: Die Units: mg/K HighLimit	%RPD		Qual
Prep Date: 11/9/2020 Analyte Diesel Range Organics (DRO) Motor Oil Range Organics (MRO) Surr: DNOP Sample ID: 2011463-001AMS Client ID: CSL1 Prep Date: 11/9/2020 Analyte Diesel Range Organics (DRO)	Analysis Dat Result ND ND 7.0 SampTyp Batch II Analysis Dat Result 160	e: 11 <u>PQL</u> 10 50 De: MS D: 563 re: 11	/11/2020 SPK value 10.00 302 /11/2020 SPK value 47.13	SPK Ref Val Tes R S	69.9 69.9 Code: EF Code: F CunNo: 7: GeqNo: 2: %REC 70.1	577618 LowLimit 30.4 PA Method 3215 578962 LowLimit 15	HighLimit 154 8015M/D: Die Units: mg/K HighLimit 184	%RPD	e Organics	
Prep Date: 11/9/2020 Analyte Diesel Range Organics (DRO) Motor Oil Range Organics (MRO) Surr: DNOP Sample ID: 2011463-001AMS Client ID: CSL1 Prep Date: 11/9/2020 Analyte	Analysis Dat Result ND ND 7.0 SampTyp Batch II Analysis Dat Result 160 3.7	e: 11 PQL 10 50 De: MS D: 56: 11 PQL 9.4	/11/2020 SPK value 10.00 302 /11/2020 SPK value 47.13 4.713	SPK Ref Val Tesi R SPK Ref Val	69.9 69.9 Code: EF CunNo: 7: SeqNo: 2 %REC	577618 LowLimit 30.4 PA Method 3215 578962 LowLimit	HighLimit 154 8015M/D: Die Units: mg/K HighLimit	%RPD	e Organics	
Prep Date: 11/9/2020 Analyte Diesel Range Organics (DRO) Motor Oil Range Organics (MRO) Surr: DNOP Sample ID: 2011463-001AMS Client ID: CSL1 Prep Date: 11/9/2020 Analyte Diesel Range Organics (DRO) Surr: DNOP Sample ID: 2011463-001AMS	Analysis Dat Result ND ND 7.0 SampTyp Batch II Analysis Dat Result 160 3.7 SampTyp	e: 11 PQL 10 50 D: 56 c: 11 PQL 9.4	/11/2020 SPK value 10.00 302 /11/2020 SPK value 47.13 4.713	SPK Ref Val Tes SPK Ref Val SPK Ref Val 128.9	69.9 69.9 Code: EF Code: EF Code: 25 %REC 70.1 78.8 Code: EF	577618 LowLimit 30.4 PA Method 3215 578962 LowLimit 15 30.4 PA Method	HighLimit 154 8015M/D: Die Units: mg/K HighLimit 184	ssel Range %RPD	e Organics RPDLimit	
Prep Date: 11/9/2020 Analyte Diesel Range Organics (DRO) Motor Oil Range Organics (MRO) Surr: DNOP Sample ID: 2011463-001AMS Client ID: CSL1 Prep Date: 11/9/2020 Analyte Diesel Range Organics (DRO) Surr: DNOP Sample ID: 2011463-001AMS Client ID: CSL1	Analysis Dat Result ND 7.0 SampTyp Batch II Analysis Dat Result 160 3.7 SampTyp Batch II	e: 11 PQL 10 50 D: 56: D: 56: PQL 9.4 D: 56:	/11/2020 SPK value 10.00 302 /11/2020 SPK value 47.13 4.713 5D 302	SPK Ref Val Tes SPK Ref Val 128.9 Tes R	69.9 69.9 tCode: EF 2007 7: 3007 7: 30	577618 LowLimit 30.4 PA Method 3215 578962 LowLimit 15 30.4 PA Method 3215	HighLimit 154 8015M/D: Die Units: mg/K HighLimit 184 154 8015M/D: Die	ssel Range %RPD %RPD	e Organics RPDLimit	
Prep Date: 11/9/2020 Analyte Diesel Range Organics (DRO) Motor Oil Range Organics (MRO) Surr: DNOP Sample ID: 2011463-001AMS Client ID: CSL1 Prep Date: 11/9/2020 Analyte Diesel Range Organics (DRO) Surr: DNOP Sample ID: 2011463-001AMS	Analysis Dat Result ND ND 7.0 SampTyp Batch II Analysis Dat Result 160 3.7 SampTyp	e: 11 PQL 10 50 D: 56: D: 56: PQL 9.4 D: 56:	/11/2020 SPK value 10.00 302 /11/2020 SPK value 47.13 4.713 5D 302	SPK Ref Val Tes SPK Ref Val 128.9 Tes R	69.9 69.9 Code: EF Code: EF Code: 25 %REC 70.1 78.8 Code: EF	577618 LowLimit 30.4 PA Method 3215 578962 LowLimit 15 30.4 PA Method 3215	HighLimit 154 8015M/D: Die Units: mg/K HighLimit 184 154	ssel Range %RPD %RPD	e Organics RPDLimit	
Prep Date: 11/9/2020 Analyte Diesel Range Organics (DRO) Motor Oil Range Organics (MRO) Surr: DNOP Sample ID: 2011463-001AMS Client ID: CSL1 Prep Date: 11/9/2020 Analyte Diesel Range Organics (DRO) Surr: DNOP Sample ID: 2011463-001AMS Client ID: CSL1	Analysis Dat Result ND 7.0 SampTyp Batch II Analysis Dat Result 160 3.7 SD SampTyp Batch II Analysis Dat	e: 11 PQL 10 50 D: 56: D: 56: PQL 9.4 D: 56:	/11/2020 SPK value 10.00 302 /11/2020 SPK value 47.13 4.713 302 /11/2020	SPK Ref Val Tes SPK Ref Val 128.9 Tes R	69.9 69.9 tCode: EF 2007 7: 3007 7: 30	577618 LowLimit 30.4 PA Method 3215 578962 LowLimit 15 30.4 PA Method 3215	HighLimit 154 8015M/D: Die Units: mg/K HighLimit 184 154 8015M/D: Die	ssel Range %RPD %RPD	e Organics RPDLimit	

Qualifiers:

\* Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit S % Recovery outside of range due to dilution or matrix

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

RL Reporting Limit

2011463

16-Nov-20

Client:	Souder, N	Ailler & A	ssociate	es							
Project:	Cypress 1	Η									
Sample ID: 2011	463-001AMSE	<b>)</b> SampT	ype: M	SD	Tes	tCode: EF	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: CSL	1	Batch	n ID: 56	302	F	RunNo: 7	3215				
Prep Date: 11/	9/2020	Analysis D	ate: 1	1/11/2020	S	SeqNo: 2	578963	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP		3.7		4.669		79.8	30.4	154	0	0	

Qualifiers:

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- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

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

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WO#: 2011463 16-Nov-20

Client: Souder, N	Miller & Associates	3							
Project: Cypress	1H								
Sample ID: mb-56286	SampType: <b>MB</b>	LK	Tes	tCode: EF	PA Method	8015D: Gasol	ine Rang	e	
Client ID: PBS	Batch ID: 562	86	F	RunNo: 7:	3283				
Prep Date: 11/7/2020	Analysis Date: 11	/11/2020	S	SeqNo: 2	578666	Units: mg/Kg	9		
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO) Surr: BFB	ND 5.0 910	1000		90.8	75.3	105			
Sample ID: Ics-56286	SampType: LCS	6	Tes	tCode: EF	PA Method	8015D: Gasol	ine Rang	e	
Client ID: LCSS	Batch ID: 562	86	F	RunNo: 7;	3283				
Prep Date: 11/7/2020	Analysis Date: 11/	/11/2020	S	SeqNo: 2	578667	Units: mg/Kg	9		
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	20 5.0	25.00	0	82.0	72.5	106			
Surr: BFB	1000	1000		102	75.3	105			
Sample ID: 2011463-001ams	SampType: <b>MS</b>		Tes	tCode: EF	PA Method	8015D: Gasol	ine Rang	e	
Client ID: CSL1	Batch ID: 562	86	F	RunNo: <b>7</b> ;	3283				
Prep Date: 11/7/2020	Analysis Date: 11	/11/2020	S	SeqNo: 2	578669	Units: mg/Kg	9		
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	20 5.0	24.88	0	79.4	61.3	114			
Surr: BFB	990	995.0		99.4	75.3	105			
Sample ID: 2011463-001amsc	SampType: MS	D	Tes	tCode: EF	PA Method	8015D: Gasol	ine Rang	e	
Client ID: CSL1	Batch ID: 562	86	F	RunNo: 7	3283				
Prep Date: 11/7/2020	Analysis Date: 11/	/11/2020	S	SeqNo: 2	578670	Units: mg/Kg	9		
Analyte	Result PQL		SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	20 4.9	24.32	0	83.5	61.3	114	2.70	20	
Surr: BFB	980	972.8		101	75.3	105	0	0	
Sample ID: mb-56363	SampType: <b>MB</b>	LK	Tes	tCode: EF	PA Method	8015D: Gasol	ine Rang	e	
Client ID: PBS	Batch ID: 563		F	RunNo: 7	3309				
Prep Date: 11/11/2020	Analysis Date: 11	12/2020	S	SeqNo: 2	579913	Units: %Rec			
Analyte	Result PQL		SPK Ref Val		LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	920	1000		91.6	75.3	105			
Sample ID: Ics-56363	SampType: LCS	S	Tes	tCode: EF	PA Method	8015D: Gasol	ine Rang	e	
Client ID: LCSS	Batch ID: 563	63	F	RunNo: 7;	3309				
Prep Date: 11/11/2020	Analysis Date: 11	12/2020	S	SeqNo: 2	579914	Units: %Rec			
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	990	1000		99.4	75.3	105			

Qualifiers:

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2011463

16-Nov-20

Client:Souder, IProject:Cypress	Miller & A 1H	ssociate	es							
Sample ID: mb-56286	Samp	Туре: МЕ	BLK	Tes	tCode: EF	PA Method	8021B: Vola	tiles		
Client ID: PBS	Batc	h ID: 56	286	F	RunNo: 7	3283				
Prep Date: 11/7/2020	Analysis I	Date: 11	/11/2020	S	SeqNo: 2	578713	Units: mg/k	٢g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.98		1.000		98.1	80	120			
Sample ID: LCS-56286	Samp	Type: LC	S	Tes	tCode: EF	PA Method	8021B: Vola	tiles		
Client ID: LCSS	Batc	h ID: 56	286	F	RunNo: 7	3283				
Prep Date: 11/7/2020	Analysis I	Date: 11	/11/2020	5	SeqNo: 2	578714	Units: mg/k	٢g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.90	0.025	1.000	0	89.8	80	120			
Toluene	0.93	0.050	1.000	0	93.2	80	120			
Ethylbenzene	0.93	0.050	1.000	0	93.2	80	120			
Xylenes, Total	2.8	0.10	3.000	0	93.0	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		99.8	80	120			
Sample ID: 2011463-002ams	Samp	Туре: <b>МS</b>	6	Tes	tCode: EF	PA Method	8021B: Vola	tiles		
Client ID: CSL1	Batc	h ID: 56	286	F	RunNo: 7	3283				
Prep Date: 11/7/2020	Analysis I	Date: <b>1</b> 1	/11/2020	S	SeqNo: 2	578717	Units: mg/k	٢g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.86	0.023	0.9381	0	91.7	76.3	120			
Toluene	0.90	0.047	0.9381	0.01020	95.4	78.5	120			
Ethylbenzene	0.91	0.047	0.9381	0	96.8	78.1	124			
Xylenes, Total	2.7	0.094	2.814	0	96.9	79.3	125			
Surr: 4-Bromofluorobenzene	0.92		0.9381		98.5	80	120			
Sample ID: 2011463-002amso	d Samp	Type: MS	SD	Tes	tCode: EF	PA Method	8021B: Vola	tiles		
Client ID: CSL1	Batc	h ID: 56	286	F	RunNo: 7	3283				
Prep Date: 11/7/2020	Analysis I	Date: 11	/11/2020	S	SeqNo: 2	578718	Units: mg/k	٢g		
Analyte	Result	PQL		SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.91	0.025	0.9862	0	92.6	76.3	120	5.92	20	
Toluene	0.96	0.049	0.9862	0.01020	96.5	78.5	120	6.17	20	
Ethylbenzene	0.96	0.049	0.9862	0	97.5	78.1	124	5.75	20	
Xylenes, Total	2.9	0.099	2.959	0	97.5	79.3	125	5.64	20	
Surr: 4-Bromofluorobenzene	0.98		0.9862		99.4	80	120	0	0	

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2011463

16-Nov-20

	ouder, Miller & As Sypress 1H	ssociates								
Sample ID: mb-5636	SampT	ype: MBL	К	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: PBS	Batch	ID: 5636	3	R	RunNo: 7	3309				
Prep Date: 11/11/2	Analysis D	ate: 11/1	2/2020	S	SeqNo: 2	579960	Units: %Rec	;		
Analyte	Result	PQL S	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenz	ene 1.0		1.000		100	80	120			
Sample ID: LCS-563	SampT	ype: LCS		Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: LCSS	Batch	ID: 5636	3	R	RunNo: <b>7</b> 3	3309				
Prep Date: 11/11/2	Analysis D	ate: 11/1	2/2020	S	SeqNo: 2	579961	Units: %Rec	;		
Analyte	Result	PQL S	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenz	ene 1.0		1.000		101	80	120			

Qualifiers:

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

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16-Nov-20

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ANAL	ONMENT		TI	all Environme EL: 505-345-, Vebsite: clien	490 Albuquerq 3975 FAX:	1 Hawki ue, NM a 505-345	ns NE 87109 <b>Sai</b> -4107	mple Log-In	Pag Check List
Client Name:	Souder, M	iller & Associ	at Work	Corder Num	nber: 201	463		Rcpth	No: 1
Received By:	Isaiah Or	tiz	11/7/20	020 7:40:00	AM		Inc	2/	
Completed By:	Isaiah Or	tiz	11/7/20	020 9:23:42	AM		Inc	2~~	
Reviewed By:	Mula	thu							
Chain of Cus	tody								
1. Is Chain of Co	ustody comp	lete?			Yes	$\checkmark$	No 🗌	Not Present	]
2. How was the	sample deliv	vered?			Cour	ier			
<u>Log In</u> 3. Was an attern	pt made to	cool the same	les?		Yes	1	No 🗌	NA 🗌	1
					103				
4. Were all samp	les received	l at a tempera	ture of >0° C	to 6.0°C	Yes	$\checkmark$	No 🗌	NA 🗌	]
5. Sample(s) in p	proper conta	iner(s)?			Yes	$\checkmark$	No 🗌		
6. Sufficient sam	ple volume f	or indicated to	est(s)?		Yes	$\checkmark$	No 🗌		
7. Are samples (	except VOA	and ONG) pro	operly preserv	ed?	Yes	$\checkmark$	No 🗌		
8. Was preservat	ive added to	bottles?			Yes		No 🗹	NA 🗌	
9. Received at le	ast 1 vial wit	h headspace	<1/4" for AQ \	VOA?	Yes		No 🗌	NA 🗸	TO
10. Were any san	ple containe	ers received b	roken?		Yes		No 🗹	# of preserved	
11.Does paperwo (Note discrepa			)		Yes	✓	No 🗌	bottles checked for pH:	or >12 unless noted)
12. Are matrices c					Yes	$\checkmark$	No 🗌	Adjusted?	
13. Is it clear what		3.5	?		Yes	$\checkmark$	No 🗌		
14. Were all holdir (If no, notify cu					Yes	$\checkmark$	No 🗌	Checked by:	
Special Handli	ng (if app	olicable)							
15. Was client no			with this order	?	Yes		No 🗌	NA 🗸	]
Person	Notified:	[		Date	: [				
By Who	m:			- Via:	eMa	iil 🗍 F	Phone 🦳 Fax	In Person	
Regardi	ng:		an te a subscription of the second		an ann an an ann an an			Water and the second and the first of the second	
Client In	structions:								
16. Additional rer	narks:								
17. Cooler Inform	nation								
Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Da	ite	Signed By		
1	2.5	Good	Yes						

Page 1 of 1

Re	ceive	ed by	<b>OC</b>	D: 12	2/7/2	2020	04	:02:	26 I	PM						Τ		1	Γ							1		Pa	ge 4:	2 of 4
		AALL ENVIKONMENIAL ANALYSTS LABORATORY		www.rianerivirofiliterital.coff 4001 Hawkins NE _ Albucuerue NM 87100	· .	1el. 000-340-39/0 Fax 000-340-410/	Analysis kequest		S '≉C	ЪЧ	<sup>'z</sup> OI	9 10 5 7 (A(	-VC 103 103	y 83 5 Me (AO	EDB (M PAHs b 7CRA 6 8260 (V 8270 (S Total Co												Rill: Manchuon oil		CL.20,01457.002	100 CUMMM ILL COUVER IN 210 OT 40 If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.
				an 1 F		el. J	9	(	-890000					030839	991 P808												S:	>	CEBIN	Any si
				P	ŕ								_		ETEX7												Remarks:	2	P	ssibility.
		5 day torn		LI II		27.17	0 11 0		208	Me Me		N I	-hilori Z.S.C	-0.1 2.0.4°C)	LOLI UNO.	001	200	003	004	ÔOS	000	207	008				C	_	Date lime	II 7 10 0140
	d Time:	d 🗆 Rush_	le:	HIH SS.		BEITENDT CUC MAIN	CLL0700	ager:	NII.	1 1"14XUUE	-4 <i>t</i> t	Yes	2.1.2	D(including CF): 3.1	Preservative Tvpe	ice	-										Via:	dann	Via: V	Courterie
5	Turn-Around Time:	⊠ Standard	Project Name:		Project #:	NUN	1111	Project Manager:	N V V	HSMULL	Sampler: C	On Ice:	# of Coolers: 7	Cooler Temp(including CF):	Container Tvpe and #	292											Received by:	NMMNIUI	Received by:	Contracted to other
	Chain-of-Custody Record	A-Caulsbad		Si 261 S ALA LANGONA	-	1-1-1	1-01-2-01-5/10			Level 4 (Full Validation)	Az Compliance	□ Other			Matrix Sample Name	Soil CSUI	1 6561	27S2	C5L2	C223	CSLB	csuy	CSL4				Relinquished by:		Kelinquished by:	CLUMMM samples submitted to Hall Environmental may be sub
	hain	SMA		Addres:	hard	UNYS KIACA	E DC	Fax#:	ackage	dard	ation:	JC	EDD (Type)		Time	815-	815	3:29	521	435-	835	340	940				Time:	į	lime:	MU0 If necessary
	S	Client:		Mailing Address: $261$	1.1.		LUC C	email or Fax#:	QA/QC Package:	□ Standard	Accreditation:	D NELAC			Date	1/1/10	1		_					•	in,		Date:		il/, /	

CONDITIONS

Action 11458

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

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

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

Phone:(505) 334-6178 Fax:(505) 334-6170 <u>District IV</u> 1220 S. St Francis Dr., Santa Fe, NM 87505

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

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

### CONDITIONS OF APPROVAL

Operator: MARATHON OIL PERMIAN LLC 5555 San Felipe St. Permian Regulatory Team Houston, TX77056	OGRID: 372098	Action Number: 11458	Action Type: C-141
OCD Reviewer	Condition		
rmarcus	None		