

April 16, 2024

New Mexico Oil Conservation Division

New Mexico Energy, Minerals, and Natural Resources Department 1220 South St. Francis Drive Santa Fe, New Mexico 87505

RE: Remediation Work Plan

CTB 90 (Caballo 23)
Lea County, New Mexico
Western Refining Pipeline LLC
NMOCD Incident Number: nAPP2408539690

To Whom it May Concern:

Ensolum, LLC (Ensolum), on behalf of Western Refining Pipeline LLC (Western), presents this *Remediation Work Plan* associated with a release discovered at the CTB 90 (Caballo 23) well pad (Site). The Site is located on federal land managed by the Bureau of Land Management (BLM) in Unit J, Section 23, Township 25 South, Range 33 East in Lea County, New Mexico (Figure 1).

SITE BACKGROUND

On March 15, 2024, Western discovered a release of 16 barrels (bbls) of crude oil during normal operations. Upon discovery, a vacuum truck was dispatched and approximately 1 bbl of crude oil was recovered. Western submitted a "Notification of Release" to the New Mexico Oil Conservation Division (NMOCD) on March 25, 2024, via the NMOCD Permitting database. The release was assigned NMOCD Incident Number nAPP2408539690.

SITE CHARACTERIZATION

The Site is located on federal land in Lea County, New Mexico. As part of the Site investigation, local geology/hydrogeology and nearby sensitive receptors were assessed in accordance with Title 19, Chapter 15, Part 29, Sections 11 and 12 (19.15.29.11 and 12) of the New Mexico Administrative Code (NMAC). This information is further discussed below.

POTENTIAL SENSITIVE RECEPTORS

Potential nearby receptors were assessed through desktop reviews of United States Geological Survey (USGS) topographic maps, Federal Emergency Management Administration (FEMA) Geographic Information System (GIS) maps, New Mexico Office of the State Engineer (NMOSE) database, aerial photographs, and Site-specific observations.

The nearest significant watercourse to the Site is an unnamed riverine located approximately 7,630 feet north of the Site. The nearest data point for depth to groundwater to the Site is an NMOSE permitted water well (C-02373), located approximately 7,965 feet northwest of the Site (Appendix A). This well indicates the shallowest groundwater is approximately 185 feet below

Western Refining Pipeline LLC. Remediation Work Plan CTB 90 (Caballo 23)

ground surface (bgs) in this area. However, because the distance between the Site and this water well is greater than ½-mile, the depth to water below the Site is unknown.

The Site is greater than 200 feet from any lakebed, sinkhole, or playa lake, and greater than 300 feet from any wetland. Wellhead protection areas, springs, and/or domestic/stock wells are not located within a ½-mile from the Site. The Site is not within a 100-year floodplain, overlying a subsurface mine, or located within an area underlain by unstable geology (area not designated as high potential karst by the BLM). Schools, hospitals, institutions, churches, and/or other occupied permanent residence or structures are not located within 300 feet of the Site. A Site receptor map is shown on Figure 1.

SITE CLOSURE CRITERIA

Based on the information presented above and the unknown depth to water below the Site, the following Closure Criteria in accordance with the *Table I, Closure Criteria for Soils Impacted by a Release* (19.15.29.12 NMAC) should be applied for constituents of concern (COCs) at the Site:

- Benzene: 10 milligrams per kilogram (mg/kg)
- Benzene, toluene, ethylbenzene, and xylenes (BTEX): 50 mg/kg
- Total petroleum hydrocarbons (TPH) as a combination of gasoline range organics (GRO), diesel range organics (DRO), and motor oil range organics (MRO): 100 mg/kg
- Chloride: 600 mg/kg

SURFACE SAMPLING AND SURFACE DELINEATION ACTIVITIES

Following the discovery of the release, Ensolum mapped the surface extent of the impacts and collected three surface samples at the Site on March 15, 2024. Soil samples SS1 through SS3 were collected at the locations indicated on Figure 2. Soil samples were collected directly into laboratory-provided jars and immediately placed on ice. Samples were submitted to Eurofins Environment Testing (Eurofins) for analysis of BTEX following United States Environmental Protection Agency (EPA) Method 8021B, TPH-GRO), TPH-DRO, and TPH-MRO following EPA Method 8015M/D, and chloride following EPA Method 300.0.

DELINEATION RESULTS AND CONCLUSIONS

Concentrations of total BTEX and total TPH exceeding the NMOCD Table I Closure Criteria were detected in samples collected from soil samples SS1, SS2, and SS3. A summary of the March 2024 analytical results is presented on Table 1 and is depicted on Figure 2. Complete laboratory reports are attached in Appendix B. Photographs collected during Site work are included in Appendix C.

Based on the soil analytical data collected at the Site and the volume of the release, petroleum hydrocarbon impacted soil is assumed to be present between the ground surface and up to a depth of approximately 2 feet bgs. The mapped surface expression of the release was 2,450 square feet. Based on this data, it is estimated 180 cubic yards of soil have been impacted by the Site release.

REMEDIATION WORK PLAN

Because of the areal extent of impacts, volume of impacted soil, and remote location of the Site, soil shredding has been chosen as the remediation technique to address impacted soil at the Site. Soil shredding is an ex-situ and on-Site treatment of impacted soil through which impacted material is chemically treated using a chemical oxidant (generally hydrogen peroxide) applied to



Page 3

the soil. Impacted material is excavated from the ground using standard construction techniques and placed onto a soil screening unit using a special shredding bucket. The impacted soil is conveyed by the screening unit and chemical treatment is applied simultaneously. The treated soil is then placed in 100 cubic yard stockpiles and allowed to process for 24 to 48 hours in order for the oxidant to degrade the petroleum hydrocarbon contaminants in the soil.

Once treated, 5-point composite samples will be collected for analysis from each 100 cubic yard stockpile. The 5-point composite samples will be collected by placing five equivalent aliquots of soil into a 1-gallon, resealable plastic bag and homogenizing the samples by thoroughly mixing. Samples will be submitted to Eurofins using the handling procedures described above and will be analyzed for TPH and BTEX constituents. Based on the delineation results described above, chloride will not be analyzed during confirmation soil sampling. Assuming soil is compliant with the NMOCD Table I Closure Criteria, the soil will be ultimately used to backfill the open excavation. Any stockpiles exceeding the applicable Closure Criteria will be allowed to process for a longer period of time and/or be retreated until Closure Criteria are met. Once Closure Criteria has been met and the excavation has been backfilled, the area will be reseeded with BLM approved BLM Seed Mix #2.

In addition, as soil is removed from the excavation, the excavation sidewalls and floors will be field screened using a photoionization detector (PID). Once field screening indicates impacted soil has been removed, 5-point composite samples will be collected from the sidewalls and floor of the excavation at a frequency of one sample per 200 square feet. The 5-point composite samples will be collected in the same manner described above. Samples will also be collected and submitted to Eurofins using the techniques described above and will again be analyzed for TPH and BTEX constituents.

SCHEDULE

Within 90 days of NMOCD and BLM approval of this *Remediation Work Plan* and pending contractor availability, Western will complete the remediation work as described above. Western will notify the NMOCD and BLM of any delays in this schedule.

We appreciate the opportunity to provide this *Remediation Work Plan* to the NMOCD. If you should have any questions or comments regarding this document, please contact the undersigned.

Sincerely,

Ensolum, LLC

Wes Weichert, PG Project Geologist

(816) 266-8732 wweichert@ensolum.com

Attachments:

Figure 1: Site Receptor Map

Figure 2: Delineation Soil Sample Locations

Table 1: Soil Sample Analytical Results

Appendix A: Point of Diversion Summary
Appendix B: Laboratory Analytical Reports

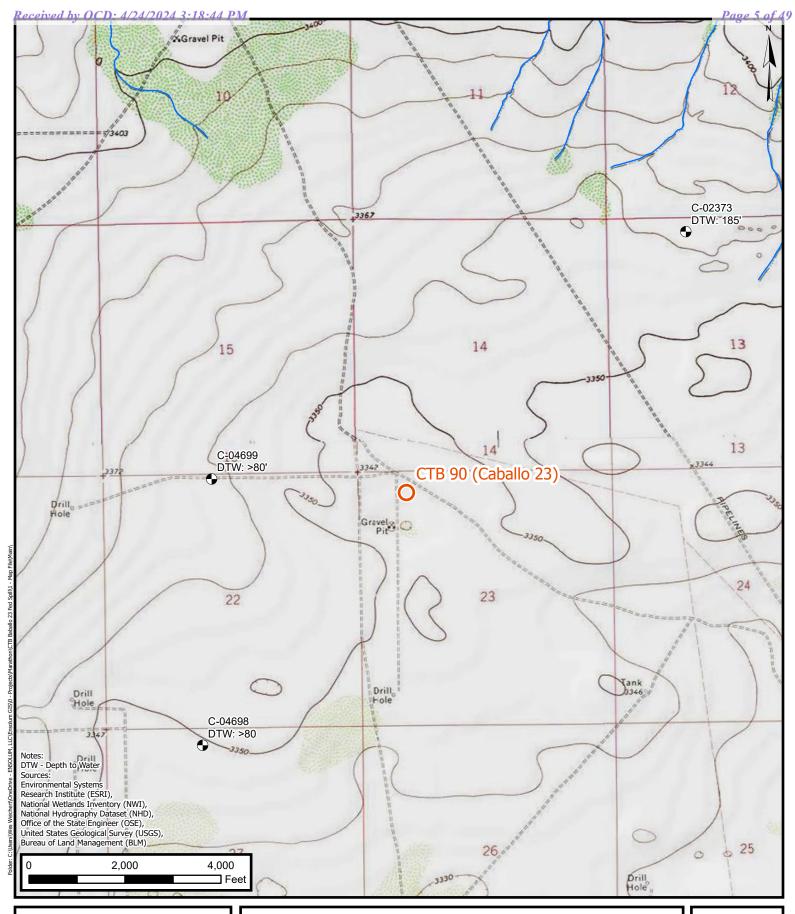
Appendix C: Photographic Log

Devin Hencmann Senior Managing Geologist (970) 403-6023 dhencmann@ensolum.com





FIGURES

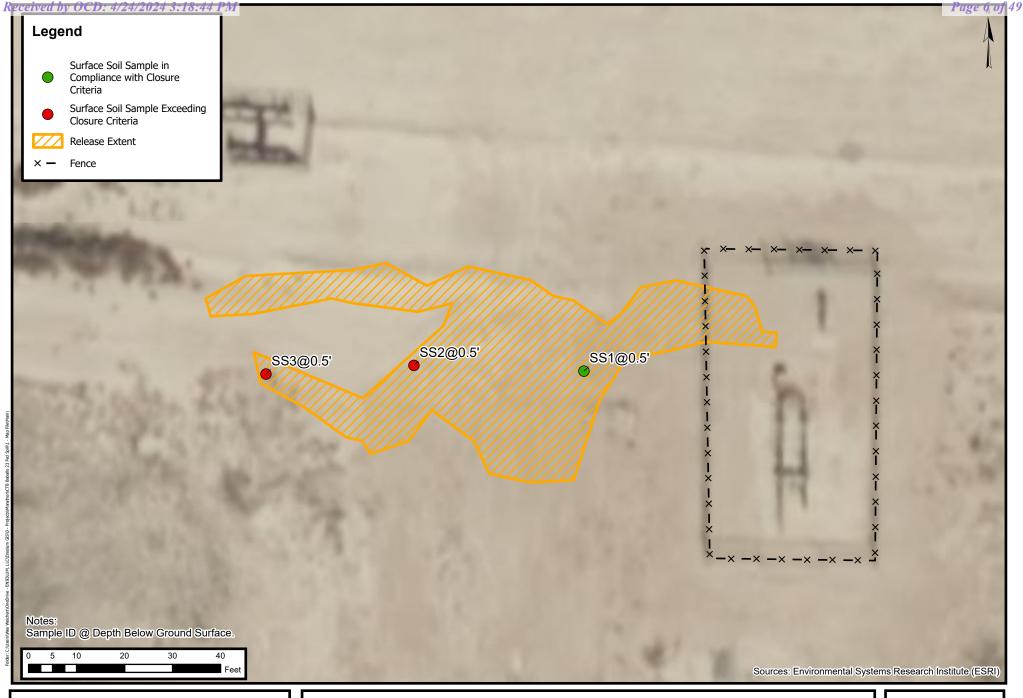




Site Receptor Map

Western Refining Pipeline LLC. CTB 90 (Caballo 23) Incident Number: nAPP2408539690 Unit J, Sec 23, T25S, R33E Lea County, New Mexico, United States FIGURE 1

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Surface Soil Sample Locations Western Refining Pipeline LLC. CTB 90 (Caballo 23)

Western Refining Pipeline LLC.
CTB 90 (Caballo 23)
Incident Number: nAPP2408539690
Unit J, Sec 23, T25S, R33E
Lea County, New Mexico, United States

FIGURE 2

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TABLES



TABLE 1

SOIL SAMPLE ANALYTICAL RESULTS

CTB 90 (Caballo 23) Marathon Petroleum -ea County, New Mexic

	Lea County, New Mexico									
Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I	Closure Criteria	(NMAC 19.15.29)	10	50	NE	NE	NE	1,000	2,500	10,000
	Delineation Surface Soil Samples									
SS1	3/15/2024	0.5	<0.0200	0.0471	<49.7 U	116	<49.7 U	116	116	72.1
SS2	3/15/2024	0.5	63.1	928	11,000	16,800	674	27,800	28,500	71.2
SS3	3/15/2024	0.5	16.1	623	10,900	17,900	787.0	28,800	29,600	51.1

Notes:

bgs: below ground surface mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division NMAC: New Mexico Administrative Code

"<": Laboratory Analytical result is less than reporting limit

GRO: Gasoline Range Organics
DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

Concentrations in bold exceed the NMOCD Table I Closure Criteria or reclamation standard where applicable.

^{*} Indicates sample was collected in area to be reclaimed after remediation is complete; reclamation for chloride in the top 4 feet is 600 mg/kg and total TPH is 100 mg/kg.



APPENDIX A

Point of Diversion Summary



New Mexico Office of the State Engineer

Point of Diversion Summary

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

Well Tag POD Number Q64 Q16

C 02373 S

Q64 Q16 Q4 Sec Tws Rng 1 2 1 13 25S 33E X Y

638721 3556549*

Driller License: 421 Driller Company: GLENN'S WATER WELL SERVICE

Driller Name:

Drill Start Date: 09/08/1993 **Drill Finish Date:** 09/08/1993 **Plug Date:**

Log File Date: PCW Rcv Date: 02/09/1996 Shallow Source: **Pump Type: SUBMER** Pipe Discharge Size: 2 **Estimated Yield:** 60 GPM **Casing Size:** 6.63 Depth Well: 625 feet **Depth Water:** 185 feet

Meter Number: 581 Meter Make: WATERSPECIAL

Meter Serial Number:9549683Meter Multiplier:100.0000Number of Dials:6Meter Type:Diversion

Unit of Measure:GallonsReturn Flow Percent:Usage Multiplier:Reading Frequency:

Meter Readings (in Acre-Feet)

Read Date	Year	Mtr Reading	Flag	Rdr Comment	Mtr Amount Online
03/31/1999	1999	2206	A	ms	0
06/30/1999	1999	2350	A	ms	0.186
09/30/1999	1999	4567	A	ms	2.858
01/06/2000	1999	6110	A	ms	1.989
05/01/2000	2000	9350	A	mb	0
06/30/2000	2000	10252	Α	mb	0.277
10/13/2000	2000	16915	A	RPT	2.045
01/17/2001	2000	33917	A	RPT	5.218
05/17/2001	2001	39208	A	RPT	1.624
06/30/2001	2001	39212	A	RPT	0.001
09/30/2001	2001	48868	A	RPT	2.963
01/03/2002	2002	56680	A	RPT	2.397
06/30/2002	2002	70870	A	RPT	4.355
12/31/2002	2002	112683	A	RPT	12.832
03/31/2003	2003	134871	A	RPT	6.809
06/30/2003	2003	135029	A	RPT	0.048
09/30/2003	2003	139662	A	ab	1.422
12/31/2003	2003	145345	A	ab	1.744
04/05/2004	2004	162284	A	RPT	5.198
10/07/2004	2004	172774	A	tw	3.219
01/01/2005	2004	180237	A	RPT	2.290
04/01/2005	2005	183300	A	RPT	0.940
07/01/2005	2005	183613	A	RPT	0.096
10/10/2005	2005	185173	A	RPT	0.479
01/01/2006	2005	185386	A	RPT	0.065

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03/31/2006	2006	186880	A	RPT	0.458
06/30/2006	2006	196667	A	tw	3.004
12/31/2006	2006	205842	A	tw	2.816
04/03/2007	2007	211071	A	RPT	1.605
07/01/2007	2007	211071	A	RPT	0
10/01/2007	2007	211071	A	RPT	0
12/03/2007	2007	211071	A	RPT	0
03/30/2008	2008	211071	A	RPT	0
06/30/2008	2008	211071	A	RPT	0
09/30/2008	2008	211071	A	RPT	0
12/30/2008	2008	211071	A	RPT	0
03/31/2010	2010	109594	R	RPT	Meter Rollover 275.747
06/30/2010	2010	156195	A	tw	14.301
09/30/2010	2010	199335	A	RPT	13.239
12/31/2010	2010	231813	A	RPT	9.967
04/01/2011	2011	263630	A	RPT	9.764
**YTD Mete	er Amounts:	Year		Amount	
		1999		5.033	
		2000		= = 40	
		2000		7.540	
		2001		7.540 4.588	
		2001		4.588	
		2001 2002		4.588 19.584	
		2001 2002 2003		4.588 19.584 10.023	
		2001 2002 2003 2004		4.588 19.584 10.023 10.707	
		2001 2002 2003 2004 2005		4.588 19.584 10.023 10.707 1.580	
		2001 2002 2003 2004 2005 2006		4.588 19.584 10.023 10.707 1.580 6.278	
		2001 2002 2003 2004 2005 2006 2007		4.588 19.584 10.023 10.707 1.580 6.278 1.605	

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

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

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POINT OF DIVERSION SUMMARY



APPENDIX B

Laboratory Analytical Reports & Chain of Custody Documentation

Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Devin Hencmann Ensolum 601 N. Marienfeld St. Suite 400 Midland, Texas 79701

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JOB DESCRIPTION

CTB 90 BABALLO 23 FED 07A2015016

JOB NUMBER

890-6368-1

Eurofins Carlsbad 1089 N Canal St. Carlsbad NM 88220

Eurofins Carlsbad

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization

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Authorized for release by Jessica Kramer, Project Manager Jessica.Kramer@et.eurofinsus.com (432)704-5440

Companies

Client: Ensolum
Project/Site: CTB 90 BABALLO 23 FED
Laboratory Job ID: 890-6368-1
SDG: 07A2015016

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Definitions/Glossary

Job ID: 890-6368-1 Client: Ensolum Project/Site: CTB 90 BABALLO 23 FED SDG: 07A2015016

Qualifiers

GC VOA

Qualifier **Qualifier Description** S1-Surrogate recovery exceeds control limits, low biased. S1+ Surrogate recovery exceeds control limits, high biased. Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier **Qualifier Description** F1 MS and/or MSD recovery exceeds control limits. S1-Surrogate recovery exceeds control limits, low biased. S1+ Surrogate recovery exceeds control limits, high biased. Indicates the analyte was analyzed for but not detected. U

HPLC/IC

Qualifier **Qualifier Description**

F1 MS and/or MSD recovery exceeds control limits. U Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation These commonly used abbreviations may or may not be present in this report.

Listed under the "D" column to designate that the result is reported on a dry weight basis

%R Percent Recovery CFL Contains Free Liquid CFU Colony Forming Unit CNF Contains No Free Liquid

DER Duplicate Error Ratio (normalized absolute difference)

Dil Fac **Dilution Factor**

Detection Limit (DoD/DOE) DL

DL. RA. RE. IN Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample

DLC Decision Level Concentration (Radiochemistry)

Estimated Detection Limit (Dioxin) **EDL** LOD Limit of Detection (DoD/DOE) LOQ Limit of Quantitation (DoD/DOE)

MCL EPA recommended "Maximum Contaminant Level" MDA Minimum Detectable Activity (Radiochemistry) MDC Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit MI Minimum Level (Dioxin) MPN Most Probable Number MQL Method Quantitation Limit

NC Not Calculated

ND Not Detected at the reporting limit (or MDL or EDL if shown)

NEG Negative / Absent POS Positive / Present Practical Quantitation Limit **PQL**

PRES Presumptive **Quality Control** QC

RER Relative Error Ratio (Radiochemistry)

Reporting Limit or Requested Limit (Radiochemistry) RL

RPD Relative Percent Difference, a measure of the relative difference between two points

TEF Toxicity Equivalent Factor (Dioxin) **TEQ** Toxicity Equivalent Quotient (Dioxin)

TNTC Too Numerous To Count

Eurofins Carlsbad

Case Narrative

Client: Ensolum Job ID: 890-6368-1

Project: CTB 90 BABALLO 23 FED

Eurofins Carlsbad Job ID: 890-6368-1

Job Narrative 890-6368-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 3/18/2024 1:32 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.2°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: SS 1 (890-6368-1), SS 2 (890-6368-2) and SS 3 (890-6368-3).

GC VOA

Method 8021B: Surrogate recovery for the following samples were outside control limits: SS 1 (890-6368-1), SS 2 (890-6368-2) and SS 3 (890-6368-3). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Batch preparation batch 880-76120 and analytical batch 880-76264 is reported without a matrix spike/matrix spike duplicate (MS/MSD). The batch MS/MSD was originally performed on another client's sample, and this test was canceled at client request. This MS/MSD result does not have immediate bearing on any samples except for the actual sample spiked. The associated laboratory control sample (LCS) met acceptance criteria and provides long-term precision and accuracy for this batch.

Method 8021B: The following sample was diluted due to the nature of the sample matrix: SS 1 (890-6368-1). Elevated reporting limits (RLs) are provided.

Method 8021B: Surrogate recovery for the following samples were outside control limits: SS 2 (890-6368-2) and SS 3 (890-6368-3). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC Semi VOA

Method 8015MOD NM: The surrogate recovery for the blank associated with preparation batch 880-76094 and analytical batch 880-76143 was outside the upper control limits.

Method 8015MOD NM: Surrogate recovery for the following samples were outside control limits: SS 1 (890-6368-1), SS 2 (890-6368-2), SS 3 (890-6368-3), (880-40964-A-5-D MS) and (880-40964-A-5-E MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-76094 and analytical batch 880-76143 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC

Method 300 ORGFM 28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-76083 and 880-76083 and analytical batch 880-76116 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Eurofins Carlsbad

Case Narrative

Client: Ensolum Job ID: 890-6368-1

Project: CTB 90 BABALLO 23 FED

Job ID: 890-6368-1 (Continued)

Eurofins Carlsbad

SS 1 (890-6368-1), SS 2 (890-6368-2), SS 3 (890-6368-3), (880-41060-A-2-B), (880-41060-A-2-C MS) and (880-41060-A-2-D MSD)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Eurofins Carlsbad

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Client: Ensolum

Job ID: 890-6368-1

Project/Site: CTB 90 BABALLO 23 FED SDG: 07A2015016

Client Sample ID: SS 1 Lab Sample ID: 890-6368-1

Date Collected: 03/15/24 15:35 Matrix: Solid Date Received: 03/18/24 13:32

Sample Depth: 0.5'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0200	U	0.0200	mg/Kg		03/20/24 13:45	03/22/24 17:56	10
Toluene	<0.0200	U	0.0200	mg/Kg		03/20/24 13:45	03/22/24 17:56	10
Ethylbenzene	<0.0200	U	0.0200	mg/Kg		03/20/24 13:45	03/22/24 17:56	10
m-Xylene & p-Xylene	0.0471		0.0400	mg/Kg		03/20/24 13:45	03/22/24 17:56	10
o-Xylene	<0.0200	U	0.0200	mg/Kg		03/20/24 13:45	03/22/24 17:56	10
Xylenes, Total	0.0471		0.0400	mg/Kg		03/20/24 13:45	03/22/24 17:56	10
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	180	S1+	70 - 130			03/20/24 13:45	03/22/24 17:56	10
1,4-Difluorobenzene (Surr)	108		70 - 130			03/20/24 13:45	03/22/24 17:56	10
Method: TAL SOP Total BTEX - 1	Total BTEX Cald	culation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0471		0.0400	mg/Kg			03/22/24 17:56	1
Method: SW846 8015 NM - Diese	el Range Organ	ics (DRO) (GC)					
Analyte	Result	ics (DRO) (Qualifier	RL	Unit	<u>D</u>	Prepared	Analyzed	
Analyte			•	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 03/21/24 22:48	
Analyte Total TPH	Result 116	Qualifier	RL 49.7		<u>D</u>	Prepared		
Analyte Total TPH : Method: SW846 8015B NM - Dies	Result 116 sel Range Orga	Qualifier	RL 49.7		<u>D</u>	Prepared Prepared		1
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics	Result 116 sel Range Orga	Qualifier nics (DRO) Qualifier	RL 49.7 (GC)	mg/Kg			03/21/24 22:48	1 Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10	Result 116 sel Range Orga	Qualifier nics (DRO) Qualifier	RL 49.7 (GC)	mg/Kg Unit		Prepared	03/21/24 22:48 Analyzed	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result 116 sel Range Orga Result <49.7	Qualifier nics (DRO) Qualifier U	RL 49.7 (GC) RL 49.7	mg/Kg Unit mg/Kg		Prepared 03/20/24 10:51	03/21/24 22:48 Analyzed 03/21/24 22:48	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result 116 sel Range Orga Result <49.7 116	Qualifier nics (DRO) Qualifier U	RL 49.7 (GC) RL 49.7 49.7	mg/Kg Unit mg/Kg mg/Kg		Prepared 03/20/24 10:51 03/20/24 10:51	03/21/24 22:48 Analyzed 03/21/24 22:48 03/21/24 22:48	1 Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result 116	Qualifier nics (DRO) Qualifier U	RL 49.7 (GC) RL 49.7 49.7	mg/Kg Unit mg/Kg mg/Kg		Prepared 03/20/24 10:51 03/20/24 10:51 03/20/24 10:51	03/21/24 22:48 Analyzed 03/21/24 22:48 03/21/24 22:48 03/21/24 22:48	Dil Face 1 1 1 1 Dil Face
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	Result 116	Qualifier nics (DRO) Qualifier U	RL 49.7 (GC) RL 49.7 49.7 49.7 Limits	mg/Kg Unit mg/Kg mg/Kg		Prepared 03/20/24 10:51 03/20/24 10:51 03/20/24 10:51 Prepared	03/21/24 22:48 Analyzed 03/21/24 22:48 03/21/24 22:48 03/21/24 22:48 Analyzed	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	Result 116	Qualifier nics (DRO) Qualifier U Qualifier \$1- \$1-	RL 49.7 (GC) RL 49.7 49.7 49.7 Limits 70 - 130 70 - 130	mg/Kg Unit mg/Kg mg/Kg		Prepared 03/20/24 10:51 03/20/24 10:51 03/20/24 10:51 Prepared 03/20/24 10:51	03/21/24 22:48 Analyzed 03/21/24 22:48 03/21/24 22:48 03/21/24 22:48 Analyzed 03/21/24 22:48	Dil Fac
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate	Result 116	Qualifier nics (DRO) Qualifier U Qualifier \$1- \$1-	RL 49.7 (GC) RL 49.7 49.7 49.7 Limits 70 - 130 70 - 130	mg/Kg Unit mg/Kg mg/Kg		Prepared 03/20/24 10:51 03/20/24 10:51 03/20/24 10:51 Prepared 03/20/24 10:51	03/21/24 22:48 Analyzed 03/21/24 22:48 03/21/24 22:48 03/21/24 22:48 Analyzed 03/21/24 22:48	Dil Fac

Client Sample ID: SS 2 Lab Sample ID: 890-6368-2 Matrix: Solid

Date Collected: 03/15/24 15:40 Date Received: 03/18/24 13:32

Sample Depth: 0.5'

Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	63.1	2.02	mg/Kg		03/25/24 10:58	03/25/24 15:16	1000
Toluene	334	2.02	mg/Kg		03/25/24 10:58	03/25/24 15:16	1000
Ethylbenzene	99.9	2.02	mg/Kg		03/25/24 10:58	03/25/24 15:16	1000
m-Xylene & p-Xylene	333	4.03	mg/Kg		03/25/24 10:58	03/25/24 15:16	1000
o-Xylene	97.9	2.02	mg/Kg		03/25/24 10:58	03/25/24 15:16	1000
Xylenes, Total	431	4.03	mg/Kg		03/25/24 10:58	03/25/24 15:16	1000
Surrogate	%Recovery Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)		70 - 130			03/20/24 13:45	03/22/24 19:39	100

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Job ID: 890-6368-1

Client: Ensolum Project/Site: CTB 90 BABALLO 23 FED SDG: 07A2015016

Client Sample ID: SS 2 Lab Sample ID: 890-6368-2 Matrix: Solid

Date Collected: 03/15/24 15:40 Date Received: 03/18/24 13:32

Sample Depth: 0.5'

Method: SW846 8021B - Volatile Organ	nic Compounds (GC) (Continued)
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Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	67 S1-	70 - 130	03/20/24 13:45	03/22/24 19:39	100

Method: TAL SC)P Total BTEX - Tota	I BTEX Calculation

Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	928	4.03	mg/Kg			03/25/24 15:16	1

I N	lathadi CIMO 16	OO4E NIM	Discol	Danas Or	maniaa /F	ADOL /	CCI
I IV	lethod: SW846	IVIVI GIUO	- Diesei	Range Or	uanics it	יו וטאנ	GC1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	28500		248	mg/Kg			03/22/24 00:15	1

Mothod: CW046 00150	NM Diocal Banga	Organica	DPO) (CC
Method: SW846 8015B	NIN - DIESEI Kaliye	organics (GC)

Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	11000	248	mg/Kg		03/20/24 10:51	03/22/24 00:15	5
Diesel Range Organics (Over C10-C28)	16800	248	mg/Kg		03/20/24 10:51	03/22/24 00:15	5
Oll Range Organics (Over C28-C36)	674	248	mg/Kg		03/20/24 10:51	03/22/24 00:15	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	552	S1+	70 - 130	03/20/24 10:51	03/22/24 00:15	5
o-Terphenyl	235	S1+	70 - 130	03/20/24 10:51	03/22/24 00:15	5

Method: EPA 300.0 - Anions	, Ion Chromatography - Soluble
Analyta	Popult Qualifier

Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	71.2	4.95	mg/Kg			03/21/24 00:09	1

Client Sample ID: SS 3

Date Collected: 03/15/24 15:45

Date Received: 03/18/24 13:32

Sample Depth: 0.5'

Method: SW846 8021B	- Volatile	Organic Compounds	(GC)

Michiga. Offoro 002 ID - Volunt	ictiod. Offoro 0021B - Volatile Originale Compounds (CO)							
Analyte	Result Qua	alifier RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	16.1	0.0992	mg/Kg		03/20/24 13:45	03/22/24 19:18	50	
Toluene	215	2.01	mg/Kg		03/25/24 10:58	03/25/24 16:40	1000	
Ethylbenzene	68.7	1.01	mg/Kg		03/25/24 10:58	03/25/24 14:55	500	
m-Xylene & p-Xylene	247	2.01	mg/Kg		03/25/24 10:58	03/25/24 14:55	500	
o-Xylene	76.3	1.01	mg/Kg		03/25/24 10:58	03/25/24 14:55	500	
Xylenes, Total	323	2.01	mg/Kg		03/25/24 10:58	03/25/24 14:55	500	
Surrogate	%Recovery Qua	alifier Limits			Prepared	Analyzed	Dil Fac	

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	212	S1+	70 - 130	03/20/24 13:45	03/22/24 19:18	50
1,4-Difluorobenzene (Surr)	57	S1-	70 - 130	03/20/24 13:45	03/22/24 19:18	50

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	623	2.01	mg/Kg			03/25/24 16:40	1

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Lab Sample ID: 890-6368-3

Matrix: Solid

Client Sample Results

Client: Ensolum
Project/Site: CTB 90 BABALLO 23 FED
SDG: 07A2015016

Client Sample ID: SS 3 Lab Sample ID: 890-6368-3

Matrix: Solid

Date Collected: 03/15/24 15:45

Date Received: 03/18/24 13:32

Sample Depth: 0.5'

Method: SW846 8015 NM - Diesel Range	Organics (DRO) (GC)						
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac

yte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH	29600	250	mg/Kg			03/22/24 00:36	1

Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	10900	250	mg/Kg		03/20/24 10:51	03/22/24 00:36	5
Diesel Range Organics (Over C10-C28)	17900	250	mg/Kg		03/20/24 10:51	03/22/24 00:36	5
Oll Range Organics (Over C28-C36)	787	250	mg/Kg		03/20/24 10:51	03/22/24 00:36	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	610	S1+	70 - 130	03/20/24 10:51	03/22/24 00:36	5
o-Terphenyl	257	S1+	70 - 130	03/20/24 10:51	03/22/24 00:36	5

Method: EPA 300.0 - Anions, Ion C	hromatograp	hy - Soluble	9					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	51.1		4.97	mg/Kg			03/21/24 00:17	1

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DFBZ = 1,4-Difluorobenzene (Surr)

OTPH = o-Terphenyl

Surrogate Summary

Client: Ensolum Job ID: 890-6368-1
Project/Site: CTB 90 BABALLO 23 FED SDG: 07A2015016

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		BFB1	DFBZ1	
ab Sample ID	Client Sample ID	(70-130)	(70-130)	
380-40948-A-1-E MS	Matrix Spike	102	105	
80-40948-A-1-F MSD	Matrix Spike Duplicate	120	98	
80-41103-A-1-B MS	Matrix Spike	96	104	
80-41103-A-1-C MSD	Matrix Spike Duplicate	102	104	
390-6368-1	SS 1	180 S1+	108	
90-6368-2	SS 2	176 S1+	67 S1-	
90-6368-3	SS 3	212 S1+	57 S1-	
CS 880-76120/1-A	Lab Control Sample	97	104	
CS 880-76470/1-A	Lab Control Sample	85	103	
CSD 880-76120/2-A	Lab Control Sample Dup	100	93	
CSD 880-76470/2-A	Lab Control Sample Dup	94	103	
1B 880-76120/5-A	Method Blank	77	97	
/IB 880-76470/5-A	Method Blank	74	98	
Surrogate Legend				

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		1CO1	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-40964-A-5-D MS	Matrix Spike	52 S1-	42 S1-	
880-40964-A-5-E MSD	Matrix Spike Duplicate	53 S1-	45 S1-	
890-6368-1	SS 1	59 S1-	56 S1-	
890-6368-2	SS 2	552 S1+	235 S1+	
890-6368-3	SS 3	610 S1+	257 S1+	
MB 880-76094/1-A	Method Blank	129	148 S1+	
Surrogate Legend				
1CO = 1-Chlorooctane				

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1 -4

Client: Ensolum

Job ID: 890-6368-1

mg/Kg

SDG: 07A2015016

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-76120/5-A

Lab Sample ID: LCS 880-76120/1-A

Project/Site: CTB 90 BABALLO 23 FED

Matrix: Solid

Xylenes, Total

Matrix: Solid

Analysis Batch: 76264

Analysis Batch: 76264

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 76120

	INID	IVID						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		03/20/24 13:45	03/22/24 11:41	1
Toluene	<0.00199	U	0.00199	mg/Kg		03/20/24 13:45	03/22/24 11:41	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		03/20/24 13:45	03/22/24 11:41	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		03/20/24 13:45	03/22/24 11:41	1
o-Xylene	< 0.00199	U	0.00199	mg/Kg		03/20/24 13:45	03/22/24 11:41	1

MB MB

<0.00398 U

MD MD

Surrogate	%Recovery	Qualifier L	imits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	77	70	<u>'0 - 130</u>	03/20/24 13:45	03/22/24 11:41	1
1,4-Difluorobenzene (Surr)	97	70	0 - 130	03/20/24 13:45	03/22/24 11:41	1

0.00398

Client Sample ID: Lab Control Sample

03/20/24 13:45

Prep Type: Total/NA

03/22/24 11:41

Prep Batch: 76120

LCS LCS Spike Analyte Added Result Qualifier Unit %Rec Limits Benzene 0.0998 0.1181 mg/Kg 118 70 - 130 Toluene 0.0998 0.1013 mg/Kg 101 70 - 130 0.0998 Ethylbenzene 0.1016 mg/Kg 102 70 - 130 0.200 0.1993 100 70 - 130 m-Xylene & p-Xylene mg/Kg 0.0998 0.09789 o-Xylene mg/Kg 98 70 - 130

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	97		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: LCSD 880-76120/2-A **Client Sample ID: Lab Control Sample Dup**

Matrix: Solid

Analysis Batch: 76264

Prep Type: Total/NA Prep Batch: 76120

	Spike	LCSD	LCSD				%Rec		RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Benzene	0.100	0.1276		mg/Kg		127	70 - 130	8	35	
Toluene	0.100	0.1105		mg/Kg		110	70 - 130	9	35	
Ethylbenzene	0.100	0.1100		mg/Kg		110	70 - 130	8	35	
m-Xylene & p-Xylene	0.201	0.2152		mg/Kg		107	70 - 130	8	35	
o-Xylene	0.100	0.1062		mg/Kg		106	70 - 130	8	35	

LCSD LCSD

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	100	70 - 130
1,4-Difluorobenzene (Surr)	93	70 - 130

Lab Sample ID: 880-41103-A-1-B MS

Matrix: Solid

Analysis Batch: 76264

Client Sample ID: Matrix Spike Prep Type: Total/NA

Prep Batch: 76120

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00200	U	0.101	0.1044		mg/Kg		104	70 - 130	
Toluene	<0.00200	U	0.101	0.09086		mg/Kg		90	70 - 130	

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QC Sample Results

Client: Ensolum Job ID: 890-6368-1 SDG: 07A2015016 Project/Site: CTB 90 BABALLO 23 FED

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 880-41103-A-1-B MS Client Sample ID: Matrix Spike **Prep Type: Total/NA**

Matrix: Solid

Analysis Batch: 76264

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Ethylbenzene	<0.00200	U	0.101	0.09290		mg/Kg		92	70 - 130	
m-Xylene & p-Xylene	<0.00400	U	0.202	0.1837		mg/Kg		91	70 - 130	
o-Xylene	<0.00200	U	0.101	0.09054		mg/Kg		90	70 - 130	

MS MS

Surrogate	%Recovery Qualifie	r Limits
4-Bromofluorobenzene (Surr)	96	70 - 130
1,4-Difluorobenzene (Surr)	104	70 - 130

Lab Sample ID: 880-41103-A-1-C MSD **Client Sample ID: Matrix Spike Duplicate**

Matrix: Solid

Analysis Batch: 76264

Prep Type: Total/NA

Prep Batch: 76120

Prep Batch: 76120

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00200	U	0.0990	0.1116		mg/Kg		113	70 - 130	7	35
Toluene	<0.00200	U	0.0990	0.09573		mg/Kg		96	70 - 130	5	35
Ethylbenzene	<0.00200	U	0.0990	0.09658		mg/Kg		98	70 - 130	4	35
m-Xylene & p-Xylene	<0.00400	U	0.198	0.1897		mg/Kg		96	70 - 130	3	35
o-Xylene	<0.00200	U	0.0990	0.09355		mg/Kg		94	70 - 130	3	35

MSD MSD

Surrogate	%Recovery Q	ualifier	Limits
4-Bromofluorobenzene (Surr)	102		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: MB 880-76470/5-A

Matrix: Solid

Analysis Batch: 76416

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 76470

	MB	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg	_	03/25/24 10:58	03/25/24 11:34	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/25/24 10:58	03/25/24 11:34	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/25/24 10:58	03/25/24 11:34	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		03/25/24 10:58	03/25/24 11:34	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/25/24 10:58	03/25/24 11:34	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		03/25/24 10:58	03/25/24 11:34	1

MB MB

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	74	70 - 130	03/25/24 10:58	03/25/24 11:34	1
1,4-Difluorobenzene (Surr)	98	70 - 130	03/25/24 10:58	03/25/24 11:34	1

Lab Sample ID: LCS 880-76470/1-A

Matrix: Solid

Analysis Batch: 76416

Client Sample ID:	Lab Control Sample
	Prep Type: Total/NA

Prep Batch: 76470

	Spike	LCS	LCS				%Rec
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits
Benzene	0.100	0.1042		mg/Kg		104	70 - 130
Toluene	0.100	0.08713		mg/Kg		87	70 - 130
Ethylbenzene	0.100	0.08121		mg/Kg		81	70 - 130
m-Xylene & p-Xylene	0.200	0.1595		mg/Kg		80	70 - 130

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QC Sample Results

Job ID: 890-6368-1 Client: Ensolum Project/Site: CTB 90 BABALLO 23 FED SDG: 07A2015016

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCS 880-76470/1-A Client Sample ID: Lab Control Sample **Matrix: Solid** Prep Type: Total/NA Analysis Batch: 76416 Prep Batch: 76470

Spike LCS LCS %Rec Analyte Added Result Qualifier Unit %Rec Limits D 0.100 0.07840 78 70 - 130 o-Xylene mg/Kg

LCS LCS Surrogate %Recovery Qualifier Limits 4-Bromofluorobenzene (Surr) 85 70 - 130 70 - 130 1,4-Difluorobenzene (Surr) 103

Lab Sample ID: LCSD 880-76470/2-A Client Sample ID: Lab Control Sample Dup

Matrix: Solid Prep Type: Total/NA **Analysis Batch: 76416** Prep Batch: 76470

Spike LCSD LCSD RPD Analyte Added Result Qualifier Unit D %Rec Limits **RPD** Limit Benzene 0.100 0.09800 mg/Kg 98 70 - 130 6 35 Toluene 0.100 0.08723 mg/Kg 87 70 - 130 35 0 Ethylbenzene 0.100 0.08214 mg/Kg 82 70 - 130 35 m-Xylene & p-Xylene 0.200 0.1626 mg/Kg 81 70 - 130 2 35 0.100 0.08061 81 70 - 130 35 o-Xylene mg/Kg

LCSD LCSD Surrogate %Recovery Qualifier Limits 4-Bromofluorobenzene (Surr) 94 70 - 130 1,4-Difluorobenzene (Surr) 103 70 - 130

Lab Sample ID: 880-40948-A-1-E MS Client Sample ID: Matrix Spike **Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 76416

o-Xylene

MS MS Sample Sample Spike %Rec Result Qualifier Added Result Qualifier Analyte Unit D %Rec Limits Benzene < 0.00199 U 0.0996 0.09590 mg/Kg 96 70 - 130 Toluene <0.00199 U 0.0996 0.09390 mg/Kg 93 70 - 130Ethylbenzene <0.00199 U 0.0996 0.09641 mg/Kg 97 70 - 130 m-Xylene & p-Xylene <0.00398 U 0.199 0.1976 mg/Kg 99 70 - 130

0.09634

mg/Kg

97

70 - 130

0.0996

MS MS Surrogate %Recovery Qualifier Limits 4-Bromofluorobenzene (Surr) 102 70 - 130 70 - 130 1,4-Difluorobenzene (Surr) 105

<0.00199

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Lab Sample ID: 880-40948-A-1-F MSD Client Sample ID: Matrix Spike Duplicate

Matrix: Solid Prep Type: Total/NA Analysis Batch: 76416 Prep Batch: 76470

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00199	U	0.100	0.08068		mg/Kg		81	70 - 130	17	35
Toluene	<0.00199	U	0.100	0.09409		mg/Kg		92	70 - 130	0	35
Ethylbenzene	<0.00199	U	0.100	0.1014		mg/Kg		101	70 - 130	5	35
m-Xylene & p-Xylene	<0.00398	U	0.200	0.2184		mg/Kg		109	70 - 130	10	35
o-Xylene	<0.00199	U	0.100	0.1074		mg/Kg		107	70 - 130	11	35

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Prep Batch: 76470

Project/Site: CTB 90 BABALLO 23 FED

Client: Ensolum

Job ID: 890-6368-1

SDG: 07A2015016

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 880-40948-A-1-F MSD

Matrix: Solid

Analysis Batch: 76416

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 76470

MSD MSD

Surrogate %Recovery Qualifier Limits 4-Bromofluorobenzene (Surr) 120 70 - 130 1,4-Difluorobenzene (Surr) 98 70 - 130

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-76094/1-A

Matrix: Solid Analysis Batch: 76143

Prep Type: Total/NA

Client Sample ID: Method Blank

Prep Batch: 76094

мв мв

Analyte	Result Qualifie	er RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0 U	50.0	mg/Kg		03/20/24 10:51	03/21/24 18:25	1
(GRO)-C6-C10							
Diesel Range Organics (Over	<50.0 U	50.0	mg/Kg		03/20/24 10:51	03/21/24 18:25	1
C10-C28)							
Oll Range Organics (Over C28-C36)	<50.0 U	50.0	mg/Kg		03/20/24 10:51	03/21/24 18:25	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	129		70 - 130	03/20/24 10:51	03/21/24 18:25	1
o-Terphenyl	148	S1+	70 - 130	03/20/24 10:51	03/21/24 18:25	1

Lab Sample ID: LCS 880-76094/2-A Client Sample ID: Lab Control Sample

Matrix: Solid

Prep Type: Total/NA **Analysis Batch: 76143** Prep Batch: 76094 LCS LCS Spike %Rec

Analyte Added Result Qualifier Unit %Rec Limits Gasoline Range Organics 1000 906.4 mg/Kg 91 70 - 130 (GRO)-C6-C10 Diesel Range Organics (Over 1000 887.6 mg/Kg 89 70 - 130 C10-C28)

Lab Sample ID: LCSD 880-76094/3-A

Matrix: Solid

Analysis Batch: 76143

Client Sample ID: Lab Control Sample Dup Prep Type: Total/NA

Prep Batch: 76094

	Spike	LCSD	LCSD			%Rec		RPD
Analyte	Added	Result	Qualifier I	Unit D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	1000	869.4		mg/Kg	87	70 - 130	4	20
(GRO)-C6-C10								
Diesel Range Organics (Over	1000	864.4	1	mg/Kg	86	70 - 130	3	20
C10 C28)								

Lab Sample ID: 880-40964-A-5-D MS

Matrix: Solid

Analysis Batch: 76143

Prep Type: Total/NA

	Sample Sar	mple Spike	MS	MS				%Rec
Analyte	Result Qu	alifier Added	Result	Qualifier	Unit	D	%Rec	Limits
Gasoline Range Organics (GRO)-C6-C10	<49.8 U F	995	507.5	F1	mg/Kg		47	70 - 130
Diesel Range Organics (Over	<49.8 U F	995	406.9	F1	mg/Kg		37	70 - 130

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Client Sample ID: Matrix Spike

Prep Batch: 76094

Released to Imaging: 4/29/2024 1:59:12 PM

Job ID: 890-6368-1 Client: Ensolum Project/Site: CTB 90 BABALLO 23 FED SDG: 07A2015016

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 880-40964-A-5-D MS Client Sample ID: Matrix Spike

Matrix: Solid

Analysis Batch: 76143

Prep Type: Total/NA Prep Batch: 76094

MS MS Surrogate %Recovery Qualifier Limits 1-Chlorooctane 52 S1-70 - 130 o-Terphenyl 42 S1-70 - 130

Lab Sample ID: 880-40964-A-5-E MSD Client Sample ID: Matrix Spike Duplicate

Matrix: Solid

Prep Type: Total/NA **Analysis Batch: 76143** Prep Batch: 76094 RPD

Sample Sample Spike MSD MSD %Rec Analyte Result Qualifier Added Result Qualifier Unit D %Rec Limits RPD Limit Gasoline Range Organics <49.8 UF1 995 591.4 F1 55 70 - 13015 20 mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over <49.8 UF1 995 426.8 F1 mg/Kg 39 70 - 130 5 20 C10-C28)

MSD MSD Surrogate %Recovery Qualifier Limits 53 S1-70 - 130 1-Chlorooctane 45 S1-70 - 130 o-Terphenyl

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-76083/1-A Client Sample ID: Method Blank **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 76116

MB MB

Analyte Result Qualifier RL Unit D Dil Fac Prepared Analyzed Chloride <5.00 U 5.00 mg/Kg 03/20/24 20:35

Lab Sample ID: LCS 880-76083/2-A Client Sample ID: Lab Control Sample Matrix: Solid **Prep Type: Soluble**

Analysis Batch: 76116

Spike LCS LCS %Rec Analyte Added Result Qualifier Unit %Rec Limits Chloride 250 248.7 mg/Kg 90 - 110

Lab Sample ID: LCSD 880-76083/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid**

Analysis Batch: 76116

Spike LCSD LCSD %Rec RPD Result Qualifier Added Analyte Unit D %Rec Limits RPD Limit Chloride 250 245.5 98 90 - 110 20 mg/Kg

Lab Sample ID: 880-41060-A-2-C MS Client Sample ID: Matrix Spike **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 76116

Released to Imaging: 4/29/2024 1:59:12 PM

7 many one Date min 1 o 1 1 o								
	Sample Sam	ple Spike	MS	MS				%Rec
Analyte	Result Qual	ifier Added	Result	Qualifier	Unit	D	%Rec	Limits
Chloride	2760 F1	2490	5581	F1	mg/Kg		113	90 - 110

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Prep Type: Soluble

QC Sample Results

Client: Ensolum Job ID: 890-6368-1 Project/Site: CTB 90 BABALLO 23 FED SDG: 07A2015016

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-41060-A-2-D MSD Client Sample ID: Matrix Spike Duplicate **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 76116

Analysis Batch. 70110	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	2760	F1	2490	5537	F1	mg/Kg		112	90 - 110	1	20

QC Association Summary

Client: Ensolum

Project/Site: CTB 90 BABALLO 23 FED

Job ID: 890-6368-1 SDG: 07A2015016

GC VOA

Prep Batch: 76120

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6368-1	SS 1	Total/NA	Solid	5035	
890-6368-2	SS 2	Total/NA	Solid	5035	
890-6368-3	SS 3	Total/NA	Solid	5035	
MB 880-76120/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-76120/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-76120/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-41103-A-1-B MS	Matrix Spike	Total/NA	Solid	5035	
880-41103-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 76264

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6368-1	SS 1	Total/NA	Solid	8021B	76120
890-6368-2	SS 2	Total/NA	Solid	8021B	76120
890-6368-3	SS 3	Total/NA	Solid	8021B	76120
MB 880-76120/5-A	Method Blank	Total/NA	Solid	8021B	76120
LCS 880-76120/1-A	Lab Control Sample	Total/NA	Solid	8021B	76120
LCSD 880-76120/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	76120
880-41103-A-1-B MS	Matrix Spike	Total/NA	Solid	8021B	76120
880-41103-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	76120

Analysis Batch: 76416

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6368-2	SS 2	Total/NA	Solid	8021B	76470
890-6368-3	SS 3	Total/NA	Solid	8021B	76470
890-6368-3	SS 3	Total/NA	Solid	8021B	76470
MB 880-76470/5-A	Method Blank	Total/NA	Solid	8021B	76470
LCS 880-76470/1-A	Lab Control Sample	Total/NA	Solid	8021B	76470
LCSD 880-76470/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	76470
880-40948-A-1-E MS	Matrix Spike	Total/NA	Solid	8021B	76470
880-40948-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	76470

Analysis Batch: 76433

Lab Sample ID 890-6368-1	Client Sample ID SS 1	Prep Type Total/NA	Matrix Solid	Method Total BTEX	Prep Batch
890-6368-2	SS 2	Total/NA	Solid	Total BTEX	
890-6368-3	SS 3	Total/NA	Solid	Total BTEX	

Prep Batch: 76470

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6368-2	SS 2	Total/NA	Solid	5035	
890-6368-3	SS 3	Total/NA	Solid	5035	
MB 880-76470/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-76470/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-76470/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-40948-A-1-E MS	Matrix Spike	Total/NA	Solid	5035	
880-40948-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

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QC Association Summary

Client: Ensolum

Project/Site: CTB 90 BABALLO 23 FED

Job ID: 890-6368-1

SDG: 07A2015016

GC Semi VOA

Prep Batch: 76094

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6368-1	SS 1	Total/NA	Solid	8015NM Prep	
890-6368-2	SS 2	Total/NA	Solid	8015NM Prep	
890-6368-3	SS 3	Total/NA	Solid	8015NM Prep	
MB 880-76094/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-76094/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-76094/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-40964-A-5-D MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-40964-A-5-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 76143

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6368-1	SS 1	Total/NA	Solid	8015B NM	76094
890-6368-2	SS 2	Total/NA	Solid	8015B NM	76094
890-6368-3	SS 3	Total/NA	Solid	8015B NM	76094
MB 880-76094/1-A	Method Blank	Total/NA	Solid	8015B NM	76094
LCS 880-76094/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	76094
LCSD 880-76094/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	76094
880-40964-A-5-D MS	Matrix Spike	Total/NA	Solid	8015B NM	76094
880-40964-A-5-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	76094

Analysis Batch: 76274

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6368-1	SS 1	Total/NA	Solid	8015 NM	
890-6368-2	SS 2	Total/NA	Solid	8015 NM	
890-6368-3	SS 3	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 76083

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6368-1	SS 1	Soluble	Solid	DI Leach	
890-6368-2	SS 2	Soluble	Solid	DI Leach	
890-6368-3	SS 3	Soluble	Solid	DI Leach	
MB 880-76083/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-76083/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-76083/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-41060-A-2-C MS	Matrix Spike	Soluble	Solid	DI Leach	
880-41060-A-2-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 76116

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6368-1	SS 1	Soluble	Solid	300.0	76083
890-6368-2	SS 2	Soluble	Solid	300.0	76083
890-6368-3	SS 3	Soluble	Solid	300.0	76083
MB 880-76083/1-A	Method Blank	Soluble	Solid	300.0	76083
LCS 880-76083/2-A	Lab Control Sample	Soluble	Solid	300.0	76083
LCSD 880-76083/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	76083
880-41060-A-2-C MS	Matrix Spike	Soluble	Solid	300.0	76083
880-41060-A-2-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	76083

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Client: Ensolum

Prep Type

Total/NA

Total/NA

Total/NA

Total/NA

Total/NA

Total/NA

Total/NA

Total/NA

Soluble

Soluble

Project/Site: CTB 90 BABALLO 23 FED

Batch

Туре

Prep

Prep

Analysis

Analysis

Analysis

Analysis

Analysis

Analysis

Prep

Leach

Job ID: 890-6368-1 SDG: 07A2015016

Lab Sample ID: 890-6368-1

Client Sample ID: SS 1 Date Collected: 03/15/24 15:35 Date Received: 03/18/24 13:32

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	76120	03/20/24 13:45	AA	EET MID
Total/NA	Analysis	8021B		10	5 mL	5 mL	76264	03/22/24 17:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			76433	03/22/24 17:56	SM	EET MID
Total/NA	Analysis	8015 NM		1			76274	03/21/24 22:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	76094	03/20/24 10:51	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	76143	03/21/24 22:48	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	76083	03/20/24 09:42	SA	EET MID
Soluble	Analysis	300.0		1			76116	03/21/24 00:02	SMC	EET MID

Client Sample ID: SS 2 Lab Sample ID: 890-6368-2 Matrix: Solid

Date Collected: 03/15/24 15:40 Date Received: 03/18/24 13:32

Batch

Method

5035

8021B

5035

8021B

Total BTEX

8015NM Prep

8015 NM

8015B NM

DI Leach

300.0

Dil Initial Final Batch Prepared Run Factor Amount Amount Number or Analyzed Analyst Lab 76120 5.04 g 5 mL 03/20/24 13:45 AA EET MID 100 5 mL 5 mL 76264 03/22/24 19:39 MNR EET MID 5 mL 76470 03/25/24 10:58 MNR 4.96 g **EET MID** 1000 5 mL 5 mL 76416 03/25/24 15:16 MNR EET MID 1 76433 03/25/24 15:16 SM **EET MID** 1 76274 03/22/24 00:15 SM **EET MID** 10.08 g 76094 03/20/24 10:51 EET MID 10 mL FΙ

76143

76083

76116

03/22/24 00:15

03/20/24 09:42

03/21/24 00:09

SM

SA

SMC

EET MID

EET MID

EET MID

Matrix: Solid

Lab Sample ID: 890-6368-3 Client Sample ID: SS 3

1 uL

5.05 g

1 uL

50 mL

5

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Date Collected: 03/15/24 15:45 Date Received: 03/18/24 13:32

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	76120	03/20/24 13:45	AA	EET MID
Total/NA	Analysis	8021B		50	5 mL	5 mL	76264	03/22/24 19:18	MNR	EET MID
Total/NA	Prep	5035			4.97 g	5 mL	76470	03/25/24 10:58	MNR	EET MID
Total/NA	Analysis	8021B		500	5 mL	5 mL	76416	03/25/24 14:55	MNR	EET MID
Total/NA	Prep	5035			4.97 g	5 mL	76470	03/25/24 10:58	MNR	EET MID
Total/NA	Analysis	8021B		1000	5 mL	5 mL	76416	03/25/24 16:40	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			76433	03/25/24 16:40	SM	EET MID
Total/NA	Analysis	8015 NM		1			76274	03/22/24 00:36	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	76094	03/20/24 10:51	EL	EET MID
Total/NA	Analysis	8015B NM		5	1 uL	1 uL	76143	03/22/24 00:36	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	76083	03/20/24 09:42	SA	EET MID
Soluble	Analysis	300.0		1			76116	03/21/24 00:17	SMC	EET MID

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Eurofins Carlsbad

Accreditation/Certification Summary

Client: Ensolum
Project/Site: CTB 90 BABALLO 23 FED
SDG: 07A2015016

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Progra	am	Identification Number	Expiration Date 06-30-24		
Texas	NELA	Р	T104704400-23-26			
,	are included in this report, bu	ut the laboratory is not certif	fied by the governing authority. This lis	t may include analytes		
Analysis Method	Prep Method	Matrix	Analyte			
8015 NM	8015 NM		Total TPH			
Total BTEX		Solid	Total BTEX			

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Method Summary

Client: Ensolum

Project/Site: CTB 90 BABALLO 23 FED

Job ID: 890-6368-1 SDG: 07A2015016

Method **Method Description** Protocol Laboratory 8021B Volatile Organic Compounds (GC) SW846 EET MID **Total BTEX Calculation** TAL SOP Total BTEX EET MID 8015 NM Diesel Range Organics (DRO) (GC) SW846 **EET MID** 8015B NM Diesel Range Organics (DRO) (GC) SW846 EET MID 300.0 Anions, Ion Chromatography EPA **EET MID** 5035 SW846 Closed System Purge and Trap EET MID 8015NM Prep Microextraction SW846 **EET MID** DI Leach **Deionized Water Leaching Procedure** ASTM **EET MID**

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

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Sample Summary

Client: Ensolum

Project/Site: CTB 90 BABALLO 23 FED

Job ID: 890-6368-1

SDG: 07A2015016

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-6368-1	SS 1	Solid	03/15/24 15:35	03/18/24 13:32	0.5'
890-6368-2	SS 2	Solid	03/15/24 15:40	03/18/24 13:32	0.5'
890-6368-3	SS 3	Solid	03/15/24 15:45	03/18/24 13:32	0.5'

Received by OCD: 4/24/2024 3:18:44 PM

Environment Testing

Xenco

Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300 Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334 EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296 Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Work Order No	o:

																_				VVVVV	/. ACIIC	O.CON	ı raye_		<u> </u>	_
Project Manager:	De	Win	Hen	CMain		Bill to: (if	f different)	Ensolum LLC			Work Order Comments														
Company Name:		5010				Compan	y Name	:	Engolom LLC						Program: UST/PST PRP Brownfields RRC Superfund											
Address:		E 2			-	Address		160-	776 E 2nd Ave						State of Project:											
City, State ZIP: Dorago, CO, 81301 City, State						te ZIP:		Dora	190	100	7,8	130	1		1	Repor	ting: I	_evel I	I ∐L€	evel III	☐ PS	ST/UST TR	RP 🗌	Level IV	Ш	
Phone:		2403			Email:	dhe	NCMO										Delive	rable	s: ED) [ADaF	PT 🗆 Ot	her:		
Project Name:	CTO	5 90	Baha	110 2350	Turr	Around						19.7		ANAL	YSIS RE	EQL	JEST						Prese	rvative	Codes	
Project Number:	07	-A20	150	16	Routine	☐ Rush	1	Pres.								T				T			None: NO	DI	Water: H	₂ O
Project Location:	32.12	2027	-103.	548301	Due Date:	500	149							111	0100111111111111	11111					1)	Cool: Cool	Me	eOH: Me	
Sampler's Name:		Souti			TAT starts th	e day rece	ived by									Ш		Ш					HCL: HC		NO ₃ : HN	
PO #:					the lab, if red	eived by 4	1:30pm	5															H ₂ S0 ₄ : H ₂	Na	OH: Na	
SAMPLE RECEIPT Fe			Blank:	Yes No	Wet Ice:	Yes	No	net	300.0)														H₃PO₄: HP			
Samples Received In		Yes	No	Thermomet		Tune	207	araı	300	_		-		88	0-6368 (Cha	in of C	usto	dy				NaHSO₄: NA			
Cooler Custody Seal		Yes No	1	Correction I		-0.	7	0	(EPA:		_								1	ī	1	T	2 2 0	Ü		
Sample Custody Sea	als:	Yes No	N/A	Temperatur		4.6			S (-	+	+	-	Zn Acetate+			
Total Containers:				Corrected T	emperature:	4.7			ORIDE														NaOH+Asco	orbic Aci	d: SAPC	
Sample Iden	tificatio	on	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp			TPH	ВТЕХ												Samp	le Com	ments	
551			5	3/15/24	1535	0.5'	Grab	1	X	X	\times												Incident ID	:		
552			5	3/15/24	1540	0.5'	G	1	X	X	×															
553			S	3/15/24	1545	0.5	G	1	X	X	×									ļ		1_	Cost Cente	er:		
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Total 200.7 / 60	10 :	200.8 / 6	020:	8																			Na Sr TI Sn			

Circle Method(s) and Metal(s) to be analyzed TCLP/SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 (Sang)	15 min 8 3/1	8 13	2		
3			4		
5			6		oxidad Data: 08/25/2020 Pay 2020

Login Sample Receipt Checklist

Client: Ensolum Job Number: 890-6368-1 SDG Number: 07A2015016

Login Number: 6368 List Source: Eurofins Carlsbad

List Number: 1

Creator: Bruns, Shannon

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	N/A	Refer to Job Narrative for details.
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-6368-1 SDG Number: 07A2015016

Login Number: 6368

List Source: Eurofins Midland
List Number: 2

List Creation: 03/19/24 11:55 AM

Creator: Rodriguez, Leticia

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is	N/A	

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<6mm (1/4").



APPENDIX C

Photographic Log



Photographic Log Western Refining Pipeline LLC. CTB 90 (Caballo 23) nAPP2408539690





Photograph 1
Description Site Location
View: Southwest

Date: 3/15/2024

Photograph 2 Date: 3/15/2024 Description: Surface staining under fence off pad.

View: Southwest





Photograph 3
Description Surface staining

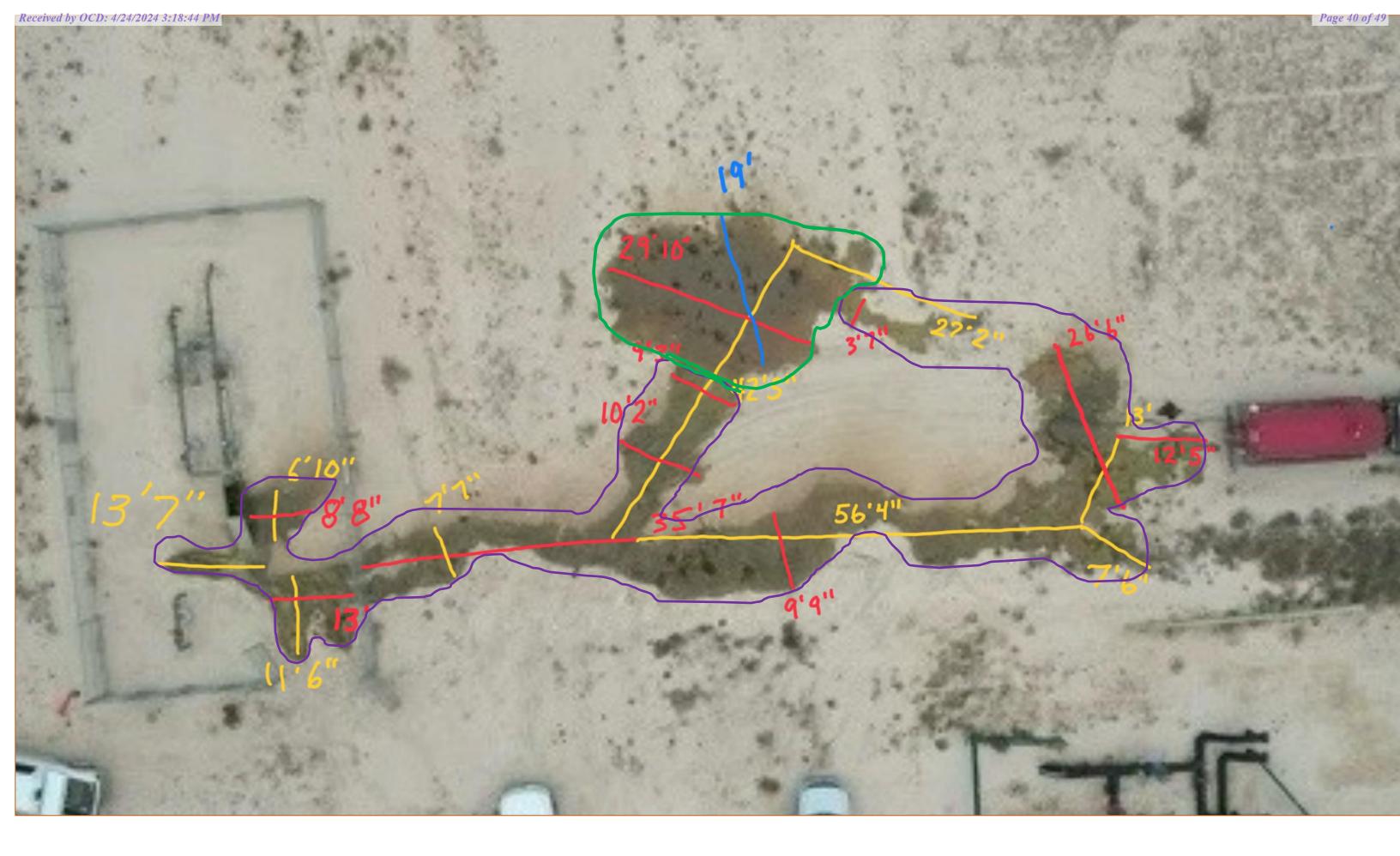
View: Northwest

Date: 3/15/2024 Photograph 4

Description: Release extent

View: Southeast

Date: 3/15/2024



AutoSave On • Formulas Data PDF-XChange File Home Insert Page Layout Review View Automate Help L10 С Spill Characteristics - Selected Outputs Spill Characteristics - Inputs Spill Observation or Measurement Value Format/Units Spill Characteristics Value Raw Value Units Date, Time, and Elapsed Time Spill Area, Volume & Mass on Land Date & time of spill observation (now) 3/15/2024 0:00 mm/dd/yyyy hh:mm Spill Area at Observation Time 494.8 490 ft2 Date & time that spill began (estimate) 3/15/2024 0:00 mm/dd/yyyy hh:mm 0.01 0.0 ac Elapsed time to observation 1.0 Spill Surface Volume at Observation Time 13.7 14 ft3 User Selected Duration for Emissions Estimates 1.0 102.8 100 hr gal 2 2.4 ьы Spill setting Type of surface where spill occurred Land Spill Surface Mass at Observation Time List 732.2 730 Ь Spill Area, Volume & Mass on Water Petroleum Liquid Type Predominant petroleum liquid type Crude-light (34 'API) Spill Area at Observation Time List n/a n/a ft2 Spill Dimensions on Land n/a n/a ac Sand Spill Surface Volume at Observation Time ft3 13 Soil type n/a n/a Approximate geometric shape of spill Ellipse List n/a n/a gal ьы Maximum length 30 feet n/a n/a 21 Spill Surface Mass at Observation Time n/a Ь Maximum width feet n/a Maximum depth of spill on surface 0.5 inches Potential Soil Infiltration NOTE: Infiltration depth does not account for overall mass limits on 0.23 0.2 Spill Dimensions on Water Approximate infiltration depth the release (i.e. the model assumes an ongoing source/infinite Approximate geometric shape of spill Approximate liquid volume in infiltrated soil 11.0 11 gal volume). Small volume releases may be unlikely to reach the depth 0.3 0 ьы Maximum length feet 21 Maximum width Total liquid volume - surface and infiltrated soil 113.8 110 feet Visibility threshold appearance thickness or List 2.7 3 ьы 22 user specified User specified thickness 810.6 810 23 Total liquid mass-surface and infiltrated soil ΙЬ. μm Spill Conditions Initial spill loading on surface 0.23 0.20 gal/ft2 Final depth for spill loading at 95% Confidence Intvl 0.67 0.70 25 Ambient temperature 46 ft Wind speed Air Emissions mph Estimated VOC Emissions Prior to Observation 430.7 430 27 Ъ Estimated Maximum 1-Hour VOC Emissions 242.5 240 28 Cells shaded in green are for user input of spill specific data. Ъ 29 Estimated 24-Hour VOC Emissions 430.7 430 Ь Reporting Applicability Estimated Emission During Selected Time Period 242.5 240 NM State in which spill occurred: Maximum 1-hr Benzene Emissions lb./hr Total Benzene Emissions for User Selected Duration 2 32 Њ. 33 Maximum 1-hr H2S Emissions 0.0 lb./hr 0.000 Total H2S Emissions for User Selected Duration ΙЬ. 35 NOTE: A reporting threshold may have been triggered from this release. Please refer to the NM Fully or Partially Evaporated Partially Evaporated tab on the spill reporting requirements tool for reporting requirements assocated with releases to Initial Spill Size Estimate 37 land, initiate a MAPLine call, and contact ES&R. Estimated Mass of Initial Spill 1.241.3 1,200 Њ. Estimated Volume of Initial Spill 174.3 170 gal Ы 4.1 Potential Benzene/Hydrogen Sulfide Emissions from Spill Crude-light (34 °API) Select Product Type Potential Benzene Emissions 1.7 ΙЬ. Potential Hydrogen Sulfide Emissions 0.000 Note - the below table is a separate emissions calculator that can be used to evaluate releases of specific crude oil types in conjunction with the inputs above.. Crude-Specific Potential Benzene/Hydrogen Sulfide Emissions from Capline Crude Spill Select Crude Type Keystone Conoco Blend Potential Benzene Emissions Potential Hydrogen Sulfide Emissions 0.002 Released to Imaging: 4/29/2024 1:59:12 PM

Ø Sea

Formulas Data Review View Automate PDF-XChange Home Page Layout × \ \ f_x O30 В Ε **Spill Characteristics - Inputs** Spill Characteristics - Selected Outputs Spill Observation or Measurement Value Format/Units Spill Characteristics Value Raw Value Units Spill Area, Volume & Mass on Land Date, Time, and Elapsed Time Date & time of spill observation (now) 3/15/2024 0:00 Spill Area at Observation Time 1,413.7 1,400 ft2 mm/dd/yyyy hh:mm 3/15/2024 0:00 Date & time that spill began (estimate) mm/dd/yyyy hh:mm 0.03 0.0 1.0 Spill Surface Volume at Observation Time 39.3 39 ft3 Elapsed time to observation User Selected Duration for Emissions Estimates 1.0 293.7 290 hr gal 7.0 ьы Spill setting Type of surface where spill occurred 2,092.0 2,100 Land List Spill Surface Mass at Observation Time Petroleum Liquid Type Spill Area, Volume & Mass on Water Crude-light (34 'API) Predominant petroleum liquid type List Spill Area at Observation Time ft2 n/a n/a Spill Dimensions on Land n/a n/a Soil type Sand Spill Surface Volume at Observation Time n/a n/a ft3 Approximate geometric shape of spill Ellipse List n/a n/a gal 200 ьы Maximum length n/a n/a Maximum width 9 Spill Surface Mass at Observation Time feet n/a n/a Ъ Maximum depth of spill on surface 0.5 Potential Soil Infiltration inches NOTE: Infiltration depth does not account for overall mass limits on Spill Dimensions on Water 0.23 0.2 ft Approximate infiltration depth the release (i.e. the model assumes an ongoing source/infinite 31 Approximate geometric shape of spill Approximate liquid volume in infiltrated soil 31.5 gal volume). Small volume releases may be unlikely to reach the depth Maximum length 0.7 ьы 20 feet 21 Maximum width Total liquid volume - surface and infiltrated soil 325.2 330 feet gal Visibility threshold appearance thickness or List user specified 7.7 ьы User specified thickness Total liquid mass -surface and infiltrated soil 2,316.1 2,300 Њ. μM Spill Conditions Initial spill loading on surface 0.23 0.20 gal/ft2 46 Final depth for spill loading at 95% Confidence Intvl 0.67 0.70 25 Ambient temperature 26 Wind speed mph Air Emissions 27 Estimated VOC Emissions Prior to Observation 1,239.0 1,200 Ь 28 Cells shaded in green are for user input of spill specific data. Estimated Maximum 1-Hour VOC Emissions 697.6 700 Ь 29 Estimated 24-Hour VOC Emissions 1,239.0 1,200 Ь Reporting Applicability Estimated Emission During Selected Time Period 697.6 700 NM State in which spill occurred: Maximum 1-hr Benzene Emissions lb./hr Total Benzene Emissions for User Selected Duration Maximum 1-hr H2S Emissions 33 0.0 lb./hr Total H2S Emissions for User Selected Duration 0.001 lЬ. Fully or Partially Evaporated 35 NOTE: A reporting threshold may have been triggered from this release. Please refer to the NM Partially Evaporated tab on the spill reporting requirements tool for reporting requirements associated with releases to nitial Spill Size Estimate land, initiate a MAPLine call, and contact ES&R. 3,555.1 3,600 Estimated Mass of Initial Spill lЬ. 499.2 Estimated Volume of Initial Spill 500 gal 11.9 12 ьы Potential Benzene/Hydrogen Sulfide Emissions from Spill Select Product Type Crude-light (34 °API) Potential Benzene Emissions 5.1 lЬ. Potential Hydrogen Sulfide Emissions 0.001 Note - the below table is a separate emissions calculator that can be used to evaluate releases of specific crude oil types in conjunction with the inputs above.. Crude-Specific Potential Benzene/Hydrogen Sulfide Emissions from Capline Crude Spill Select Crude Type 48 **Keystone Conoco Blend** Potential Benzene Emissions 49 0.007 50 Potential Hydrogen Sulfide Emissions lЬ.

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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**

QUESTIONS

Action 337277

QUESTIONS

ı	Operator:	OGRID:
ı	WESTERN REFINING PIPELINE LLC	319135
ı	200 E. Hardin Street	Action Number:
ı	Findlay, OH 45840	337277
ı		Action Type:
ı		[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2408539690
Incident Name	NAPP2408539690 CTB 90 (CABALLO 23) @ 0
Incident Type	Oil Release
Incident Status	Remediation Plan Received

Location of Release Source	
Please answer all the questions in this group.	
Site Name	CTB 90 (Caballo 23)
Date Release Discovered	03/15/2024
Surface Owner	Federal

Incident Details	
Please answer all the questions in this group.	
Incident Type	Oil Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release		
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.		
Crude Oil Released (bbls) Details	Cause: Normal Operations Pipeline (Any) Crude Oil Released: 16 BBL Recovered: 1 BBL Lost: 15 BBL.	
Produced Water Released (bbls) Details	Not answered.	
Is the concentration of chloride in the produced water >10,000 mg/l	No	
Condensate Released (bbls) Details	Not answered.	
Natural Gas Vented (Mcf) Details	Not answered.	
Natural Gas Flared (Mcf) Details	Not answered.	
Other Released Details	Not answered.	
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.	

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QUESTIONS, Page 2

Action 337277

QUESTI	ONS (continued)
Operator: WESTERN REFINING PIPELINE LLC 200 E. Hardin Street Findlay, OH 45840	OGRID:
QUESTIONS	
Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No
Reasons why this would be considered a submission for a notification of a major release	Unavailable.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e.	e. gas only) are to be submitted on the C-129 form.
Initial Response	
The responsible party must undertake the following actions immediately unless they could create a s	afety hazard that would result in injury.
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.
	ation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of ted or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of valuation in the follow-up C-141 submission.
to report and/or file certain release notifications and perform corrective actions for releathe OCD does not relieve the operator of liability should their operations have failed to	knowledge and understand that pursuant to OCD rules and regulations all operators are required asses which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface t does not relieve the operator of responsibility for compliance with any other federal, state, or
I hereby agree and sign off to the above statement	Name: Matt Krakow Title: Environmental Professional Email: mjkrakow@marathonpetroleum.com Date: 04/24/2024

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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**

QUESTIONS, Page 3

Action 337277

QUESTIONS (continued)

Operator:	OGRID:
WESTERN REFINING PIPELINE LLC	319135
200 E. Hardin Street	Action Number:
Findlay, OH 45840	337277
	Action Type:
	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Site Characterization	
Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). 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 in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	U.S. Geological Survey
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 1 and 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 200 and 300 (ft.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between ½ and 1 (mi.)
Any other fresh water well or spring	Between 300 and 500 (ft.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Between 300 and 500 (ft.)
A wetland	Between 300 and 500 (ft.)
A subsurface mine	Between 300 and 500 (ft.)
An (non-karst) unstable area	Between 300 and 500 (ft.)
Categorize the risk of this well / site being in a karst geology	None
A 100-year floodplain	Between 300 and 500 (ft.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan	
Please answer all the questions that apply or are indicated. This information must be pro	rovided to the appropriate district office no later than 90 days after the release discovery date.
Requesting a remediation plan approval with this submission	Yes
Attach a comprehensive report demonstrating the lateral and vertical extents of soil cont	tamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.
Have the lateral and vertical extents of contamination been fully delineated	d Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each	ch, in milligrams per kilograms.)
Chloride (EPA 300.0 or SM4500 Cl B)	72.1
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	28600
GRO+DRO (EPA SW-846 Method 8015M)	28800
BTEX (EPA SW-846 Method 8021B or 8260B)	928
Benzene (EPA SW-846 Method 8021B or 8260B)	63.1
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes which includes the anticipated timelines for beginning and completing the remediation.	completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC,
On what estimated date will the remediation commence	04/24/2024
On what date will (or did) the final sampling or liner inspection occur	06/13/2024
On what date will (or was) the remediation complete(d)	06/13/2024
What is the estimated surface area (in square feet) that will be reclaimed	2450
What is the estimated volume (in cubic yards) that will be reclaimed	180
What is the estimated surface area (in square feet) that will be remediated	d 2450
What is the estimated volume (in cubic yards) that will be remediated	180
These estimated dates and measurements are recognized to be the best guess or calcula	ation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.
The OCD recognizes that proposed remediation measures may have to be minimally adj	justed in accordance with the physical realities encountered during remediation. If the responsible party has any need to

significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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QUESTIONS, Page 4

Action 337277

QUESTIONS (continued)

Operator:	OGRID:
WESTERN REFINING PIPELINE LLC	319135
200 E. Hardin Street	Action Number:
Findlay, OH 45840	337277
	Action Type:
	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Remediation Plan (continued)	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
(Select all answers below that apply.)	
Not answered.	
Not answered.	
Not answered.	
Yes	
Not answered.	

which includes the anticipated timelines for beginning and completing the remediation.

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.

Name: Matt Krakow Title: Environmental Professional I hereby agree and sign off to the above statement Email: mjkrakow@marathonpetroleum.com Date: 04/24/2024

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to

significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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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**

QUESTIONS, Page 5

Action 337277

QUESTIONS (continued)

Operator:	OGRID:
WESTERN REFINING PIPELINE LLC	319135
200 E. Hardin Street	Action Number:
Findlay, OH 45840	337277
	Action Type:
	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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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**

QUESTIONS, Page 6

Action 337277

QUESTIONS (continued)

Operator:	OGRID:			
WESTERN REFINING PIPELINE LLC	319135			
200 E. Hardin Street	Action Number:			
Findlay, OH 45840	337277			
	Action Type:			
	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)			
QUESTIONS				
Sampling Event Information				
Last sampling notification (C-141N) recorded	{Unavailable.}			
Remediation Closure Request				
Only answer the questions in this group if seeking remediation closure for this release because all re	mediation steps have been completed.			
Requesting a remediation closure approval with this submission	No			

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

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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

Action 337277

CONDITIONS

Operator:	OGRID:
WESTERN REFINING PIPELINE LLC	319135
200 E. Hardin Street	Action Number:
Findlay, OH 45840	337277
	Action Type:
	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

CONDITIONS

Created By	Condition	Condition Date
nvelez	Remediation plan is approved under the following conditions; 1. Once treated stockpiles have been sampled and properly disposed, vadose zone beneath each treated stockpile between surface grade and one (1) foot below grade must be sampled by collecting a five (5)-point composite sample and meet the applicable closure standards. 2. Any soils used in the top four (4) feet from grade must meet the reclamation standards of 100 mg/Kg for TPH per US EPA Method 8015M, 10 mg/Kg for benzene, and 50 mg/Kg for benzene, toluene, ethylbenzene, and total xylenes (BTEX) per US EPA Methods 8021 or 8260B. 3. Western Refining Pipeline has 90 days (July 29, 2024) to initiate the soil shredding process. 4. Western Refining Pipeline has 180 days (October 28, 2024) to submit to OCD its appropriate or final remediation closure report.	4/29/2024