

Chris Brand

Environmental Remediation/ Facility Decom Advisor

VIA ELECTRONIC MAIL

May 21, 2024

New Mexico Oil Conservation Division District I 1625 N. French Drive Hobbs, New Mexico 88240

Re: Lovington Paddock Unit #45 Soil Remediation Work Plan Incident No. nPAC0617931420 Case No. 1RP-937

Dear Whom it May Concern:

Please find enclosed for your files, copies of the following: Lovington Paddock Unit #45 Soil Remediation Work Plan

The Work Plan was prepared by Arcadis U.S., Inc. (Arcadis) on behalf of Chevron Environmental Management Company (CEMC) for Chevron USA Inc.

Please do not hesitate to call Scott Foord with Arcadis at 713.953.4853, or myself at 661.401.0359, should you have any questions.

Sincerely,

Chris Brand

Encl. 2024 Work Plan

Lovington Paddock Unit #45

cc. Scott Foord – Arcadis Morgan Jordan – Arcadis

Chris Brand
Environmental Remediation/ Facility Decom Advisor
6301 Deauville Blvd, Midland, TX 79706
Mobile 661 401 0359
chrisbrand@chevron.com



Chevron Environmental Management Company

2024 Work Plan

Lovington Paddock Unit #45
Lea County, New Mexico
Incident # nPAC0617931420

May 2024

2024 Work Plan

Lovington Paddock Unit #45 Incident # nPAC0617931420 Lea County, New Mexico

May 2024

Prepared By:

Arcadis U.S., Inc. 10205 Westheimer Road, Suite 800 Houston Texas 77042

Phone: 713 953 4800 Fax: 713 977 4620 **Prepared For:**

Chris Brand
Project Manager
CEMC
6301 Deauville Blvd.
Midland, TX 79706

Scott Foord, PG Program Manager

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2024 Work Plan Lovington Paddock Unit #45

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1 Introduction

Arcadis U.S., Inc. (Arcadis) has prepared this Work Plan, for Chevron Environmental Management Company (CEMC) on behalf of Chevron U.S.A. Inc., through its division Chevron North America Exploration and Production Company, for the release site known as the Lovington Paddock Unit #45 (Site) located at coordinates: 32.869549, -103.317650. Details of the release are summarized in the New Mexico Oil Conservation Division (NMOCD) Initial C-141 Form included as **Appendix A**.

2 Project Summary

The Site is located on City of Lovington owned land approximately 5.30 miles southeast of the City of Lovington in Unit A, Section 2, Township 17 South, Range 36 East, Lea County, New Mexico. The site is located within a low karst area. A Site Location Map is included as **Figure 1** and a Topographic Map as **Figure 2**.

2.1 Incident # nPAC0617931420

According to the Initial C-141 Form, on June 20, 2006, internal corrosion within a pipe from valve to well head released approximately 10 barrels (bbls) of produced water at the Site. The water was retained on pad. According to the Initial C-141 Form, the amount recovered by vacuum truck was approximately 5 bbls of standing fluid. The Initial C-141 Form was submitted on June 20, 2006 and assigned remediation permit number 1RP-937 and incident number nPAC0617931420. The Initial C-141 Form is included as **Appendix A**.

3 Site Characterization

After a review of the New Mexico Office of State Engineers (NMOSE) and United States Geological Survey (USGS) databases, USGS well 325216103184601 located approximately 0.25 miles east of the Site was identified and gauged with a water level meter by Arcadis on May 20, 2024. The well was verified as dry at 112.05 feet below ground surface (bgs). The Site is within the City of Lovington municipal well field, therefore the most stringent NMOCD closure criteria will be applied.

The following site characteristics were determined in accordance with 19.15.29 New Mexico Administrative Code (NMAC):

- Shallowest depth to groundwater beneath the area affected by the release in ft bgs: Between 100 and 500 feet;
- Method used to determine the depth to groundwater: direct measurement;
- Distance to continuously flowing watercourse or any other significant watercourse: >5 miles;
- Distance to lakebed, sinkhole, or playa lake: Between 0.50 and 1 mile;
- Distance to occupied permanent residence, school, hospital, institution, or church: Between 1 and 5 miles;
- Distance to spring or private domestic fresh water well used by less than five households for domestic or stock watering purposes: Between 1,000 feet and 0.50 mile;
- Distance to any other fresh water well of spring: Between 1,000 feet and 0.50 mile;

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- Distance to incorporated municipal boundaries or a defined municipal fresh water well field: 0 feet, overlying, or within area;
- Distance to wetland: Between 500 feet and 1,000 feet;
- Distance to subsurface mine: >5 miles;
- Distance to (non-karst) unstable area: >5 miles;
- Categorize the risk of this well/site being in a karst geology: Low;
- Distance to a 100-year floodplain: Between 1 and 5 miles; and
- Did the release impact areas not on an exploration, development, production, or storage site? No

The site characterization data is presented in Appendix B.

4 NMAC Regulatory Criteria

Per Table I of NMAC part 19.15.29.12, the following closure criteria apply to the Site for reclamation activities within the first 4 feet of soil and within soil greater than 4 feet bgs due to the Site location being within the City of Lovington municipal well field boundaries.

Constituent	Limit (mg/kg)
Benzene	10 mg/kg
Benzene, Toluene, Ethylbenzene, and Xylenes (BTEX)	50 mg/kg
Total Petroleum Hydrocarbons (TPH) – Gasoline Range Organics (GRO), Diesel Range Organics (DRO), and Oil Range Organics (ORO)	100 mg/kg
Chloride	600 mg/kg

5 Site Assessment Activities

In March 2023 and February 2024, Arcadis performed site assessment activities to evaluate soil impacts stemming from the release. A total of eight (8) sample points (SB-1 through SB-8) were advanced to depths ranging from the surface to 4 feet bgs inside and surrounding the release area to evaluate the horizontal and vertical extents of the release. Soil sample locations are shown on **Figure 3**. Soil samples were collected for chemical analyses, placed directly into laboratory-provided sample containers, stored on ice, and transported under the proper chain-of-custody protocol to Eurofins Laboratories in Midland, Texas.

The soil samples were analyzed for BTEX by United States Environmental Protection Agency (EPA) Method 8021B, TPH by EPA Method 8015, and chloride by EPA method 300.0. Soil samples analyzed for BTEX were reported with concentrations ranging from 0.000341 F2 F1 mg/kg (SB-3) to 0.00117 J mg/kg (SB-4). Soil samples analyzed for TPH were reported with concentrations ranging from 15.1 J mg/kg (SB-8) to 116 mg/kg (SB-7). Soil samples analyzed for chloride were reported with concentrations ranging from 63.3 mg/kg (SB-8) to 1,220 mg/kg (SB-3).

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Horizontal and vertical delineation of the area of concern was completed during assessment activities. Analytical data collected to date and field screening during proposed remediation activities will be utilized to guide remediation activities. Soil sample analytical results from assessment activities are summarized in **Table 1**. Laboratory reports for soil samples collected during the assessments, including analytical methods, results, and chain-of-custody documents, are attached in **Appendix C**. NMOCD correspondence is shown in **Appendix D**.

6 Proposed Work Plan

Based on the analytical data and the detected TPH and chloride concentrations in soil samples collected during site assessment activities, CEMC proposes to remediate the areas of concern via excavation illustrated in orange as shown in **Figure 3** and bolded in **Table 1**.

The proposed excavation area encompasses a surface area of approximately 2,500 square feet. An estimated 500 cubic yards of soil will be removed and transported to the R360 Halfway CRI Facility, which is listed as an NMOCD approved disposal facility.

In accordance with NMAC 19.15.29.12(D)(1)(b), CEMC proposes the following confirmation sampling plan to adhere with NMOCD requirements. Five-point composite confirmation soil samples will be collected from the excavation floor and sidewalls at 200 square foot intervals for analysis of BTEX by EPA Method 8260, TPH for GRO, DRO, and ORO by EPA Method 8015, and chloride by EPA Method 300.0. Lateral and vertical limits of the excavation will halt once confirmation sample analytical results are in accordance with NMAC 19.15.29.12(D)(1)(c).

Backfill material will be verified to be non-waste containing prior to backfilling the remediated area by obtaining analytical data from the backfill material supplier (R360) if available, or by collecting a five-point composite sample and analyzing for BTEX by EPA Method 8260, TPH for GRO, DRO, and ORO by EPA Method 8015, and chloride by EPA Method 300.0. Following completion of excavation activities and confirmation that the backfill material is non-waste containing, the areas will be backfilled with the clean material and graded to match the original surface conditions and drainage. Approximately 2,500 square feet of the area of concern located within the former pad area will be reclaimed to original condition and re-seeded following remediation activities.

The proposed remediation activities will be implemented within 90 days following approval of this work plan by the NMOCD. The anticipated schedule includes 30 days to setup field work and confirm sub-contractors, 30 days to complete on-site remediation activities, and 30 days to prepare a soil remediation summary and closure request report.

7 Work Plan Approval Request

Upon completion of the above proposed soil remediation activities, a closure request report describing the remediation activities and a separate reclamation report will be submitted to the NMOCD for review. If you have any questions regarding this work plan or need additional information, please do not hesitate to contact Scott Foord at 281-725-7447 or Morgan Jordan at 281-644-9437.

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Tables

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Table 1
Soil Analytical Results
Chevron Environmental Management Company
LPU 45



Sample I.D.	Sample Depth (feet bgs)	Date	Benzene	Toluene	Ethylbenzene	Total Xylenes	Total BTEX	TPH-GRO	TPH-DRO	TPH GRO + DRO	TPH MRO	Total TPH	Chloride
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
	C Standards		10			-	50	-			-	100	600
Restorati	ion Requirem	ents	10			-	50	-			-	100	600
SB-1	0-0.5'	03/28/23	<0.000383	<0.000454	<0.000563	<0.000343	<0.000343	34.3 J	<15.0	34.3 J	<15.0	34.3 J	353
05 1	2'	03/28/23	<0.000384	<0.000455	<0.000564	<0.000343	<0.000343	<15.0	<15.0	<15.0	<15.0	<15.0	404
SB-2	0-0.5'	03/28/23	<0.000387	< 0.000459	<0.000568	<0.000346	<0.000346	<15.0	<15.0	<15.0	<15.0	<15.0	70.8
30-2	2'	03/28/23	<0.000386	< 0.000457	<0.000566	<0.000345	< 0.000345	32.8 J	<15.0	32.8 J	<15.0	32.8 J	69.7
SB-3	0-0.5'	03/28/23	<0.000381 F2 F1	<0.000451 F2 F1	<0.000559 F2 F1	0.000341 F2 F1	0.000341 F2 F1	26.3 J	<15.0	26.3 J	<15.0	26.3 J	79.9
30-3	2'	03/28/23	<0.000383	< 0.000453	<0.000562	<0.000342	<0.000342	31.9 J	<15.0	31.9 J	<15.0	31.9 J	1,220
SB-4	1'	02/01/24	-			-		-	-	-	-	-	68.2
3D-4	2'	02/01/24	<0.000383	0.00117 J	< 0.000563	<0.00101	0.00117 J	<14.9	<14.9	<14.9	<14.9	<14.9	92.3
	1'	02/01/24	-					-			-		69.2
SB-5	2'	02/01/24	<0.000383	0.000650 J	<0.000562	<0.00100	<0.00100	<15.0	<15.0	<15.0	<15.0	<15.0	138
	4'	02/01/24	-			-		-		-	-		358
	1'	02/01/24	-								-		105
SB-6	2'	02/01/24	<0.000384	<0.000455	<0.000564	<0.00101	<0.00101	<15.1	<15.1	<15.1	<15.1	<15.1	1,050
	4'	02/01/24									-		839
	1'	02/01/24	-								-		514
SB-7	2'	02/01/24	<0.000387	0.000500 J	<0.000568	<0.00102	<0.00102	<15.0	116	116	<15.0	116	599
	4'	02/01/24											454
00.0	1'	02/01/24											50.5
SB-8	1.5'	02/01/24	<0.000386	0.000534 J	<0.000566	<0.00101	<0.00101	15.1 J	<15.1	15.1 J	<15.1	15.1 J	63.3

Legend:

BOLD = Analytes exceeding Restoration Requirement

- J: Result is less than the Reporting Limit but greater than or equal to the MDL and the concentration is an approximate value
- F1: Matrix Spike (MS) and/or Matrix Spike Duplicate (MSD) recovery exceeds control limits.
- F2: MS/MSD Relative Percent Difference (RPD) exceeds control limits.
- '<' indicates the analyte was not detected at or above the Method Detection Limit (MDL) mg/kg: Milligram per Kilogram

BTEX: Benzene, Toluene, Ethylbenzene, and Total Xylenes

NMAC : New Mexico Administration Code. Criteria based off of depth to groundwater of 51-100 feet.

TPH GRO: Total Petroleum Hydrocarbons Gasoline Range Organics

TPH MRO: Total Petroluem Hydrocarbons Motor Oil Range Organics

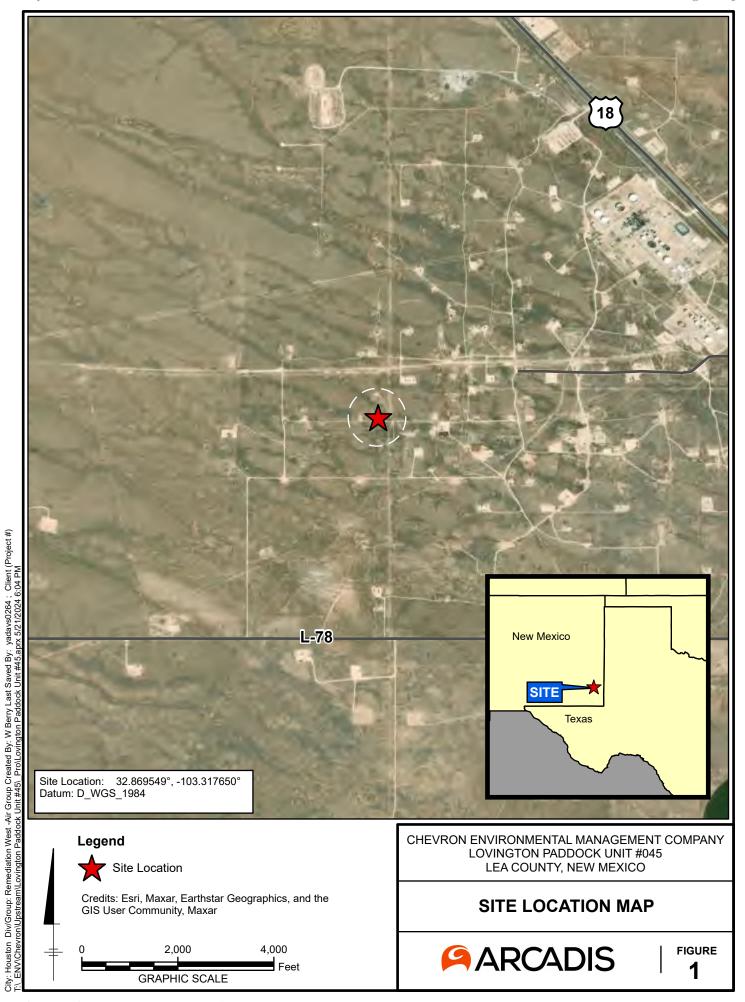
TPH DRO: Total Petroleum Hydrocarbon Diesel Range Organics

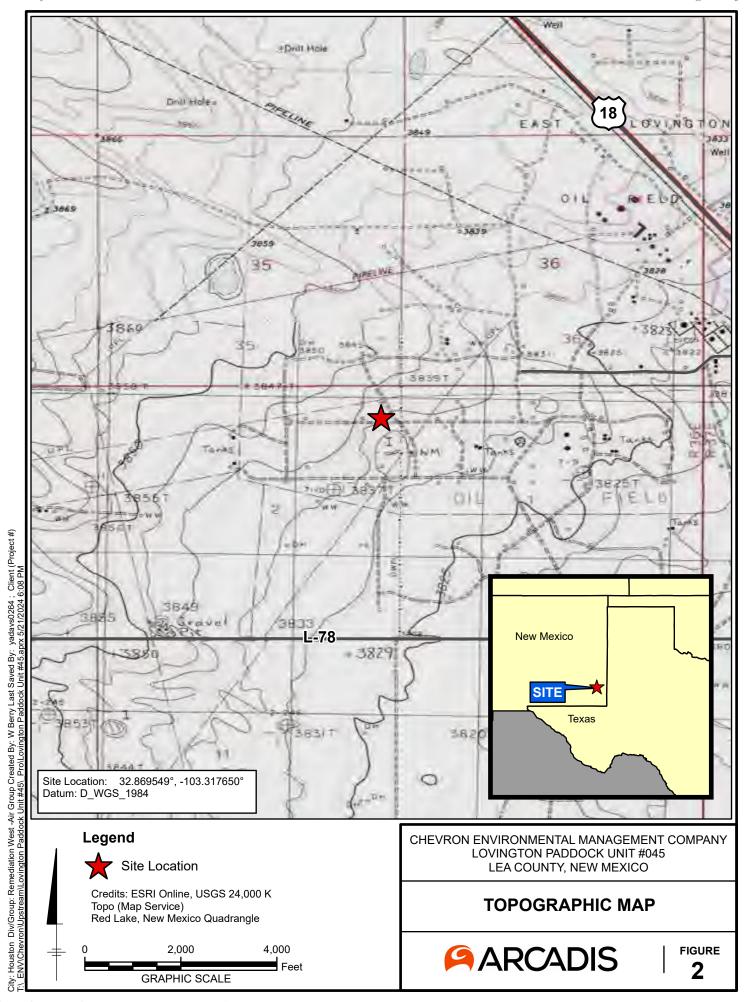
Total TPH: GRO + DRO + MRO

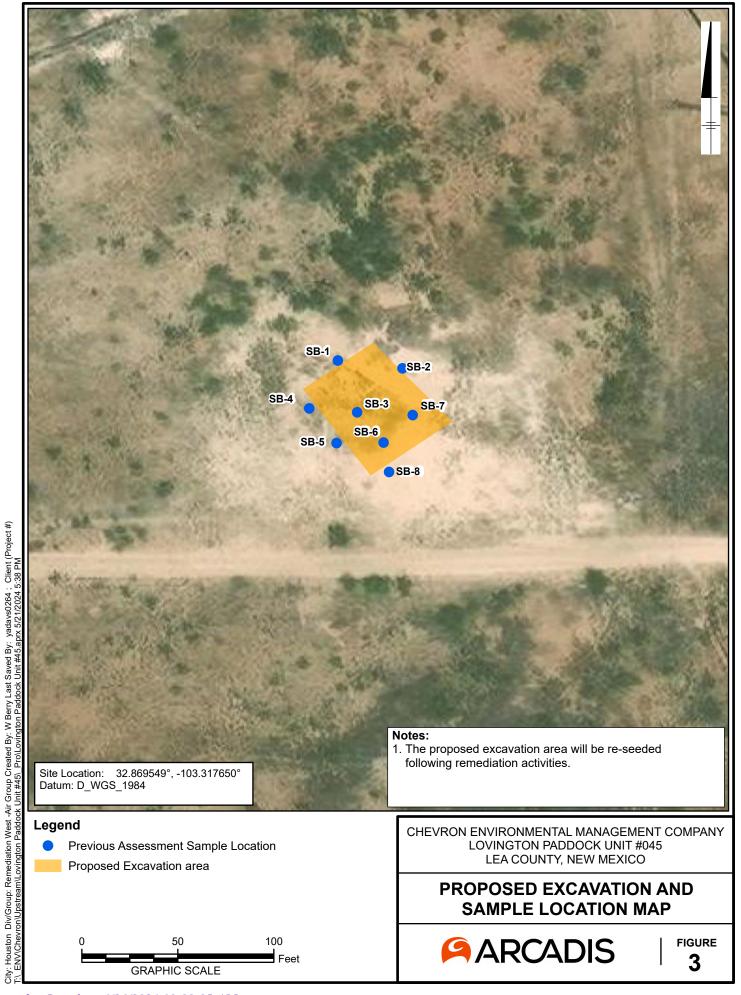
*Revised screening limit and restoration criteria within the first 4 feet below ground surface per Rule 19.15.29 effective August 14, 2018 Notes:

- 1. Chloride analyzed by United States Environmental Protection Agency Method 300
- 2. TPH analyzed by TPH by SW8015 Mod DRO/ORO Method
- 3. BTEX analyzed by USEPA Method 8021B
- 4. Closure Criteria New Mexico Administrative Code 19.15.29.12.E(2)

Figures







Appendix A

Initial C-141 Form Incident # nPAC0617931420

Form C-141

Revised October 10, 2003

1625 N. French Dr., Hobbs, NM 88240 District II 1301 W. Grand Avenue, 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

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

Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back

side of form

Release Notification and Corrective Action **OPERATOR Initial Report** Final Report Name of Company Chevron USA Inc. Contact Wavne Minchew Telephone No. 505-396-4414 Address HCR 60 Box 423 Lovington, NM 88260 Facility Name Lovington Paddock Facility Type Injection Well #45 Surface Owner City of Lovington Mineral Owner State of NM Lease No. B-1553 LOCATION OF RELEASE 30025038480000 North/South Line Feet from the Feet from the Unit Letter Section Township Range 2 17S 36E 660 330 North **LEA** East Latitude N32° 52' 10.6" Longitude W103° 19' 3.4" **NATURE OF RELEASE** Type of Release Produced Water Volume of Release 10 bbls Volume Recovered 5 bbls Source of Release Injection line going to well Date and Hour of Occurrence Date and Hour of Discovery 06-20-06 0900 06-20-06 0930 Was Immediate Notice Given? If YES, To Whom? Pat Capperton By Whom? Larry Ridenour Date and Hour 06-20-06 1500 Was a Watercourse Reached? If YES, Volume Impacting the Watercourse. ☐ Yes ☐ No If a Watercourse was Impacted, Describe Fully.* Describe Cause of Problem and Remedial Action Taken.* Internal corrosion on pipe. Pipe from valve to well head will be replaced with stainless steel piping Describe Area Affected and Cleanup Action Taken.* Water remained on location, picked up all water on surface. I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD 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 NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD 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. OIL CONSERVATION DIVISION Signature: (Approved by District Supervisor: Printed Name: Larry Ridenour Title: Operations Representative Approval Date: **Expiration Date:** E-mail Address: lridenour@chevron.com Conditions of Approval: Attached 06-20-06 Phone: 505-396-4414

RP#937

* Attach Additional Sheets If Necessary

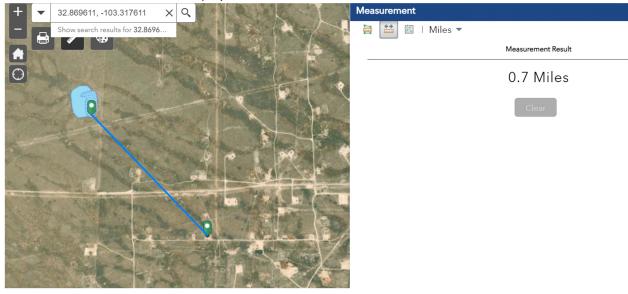
incident - n PAC 06 1793 1420

application-PAC 06 1793 2519 Released to Imaging: 6/26/2024 10:00:05 AM

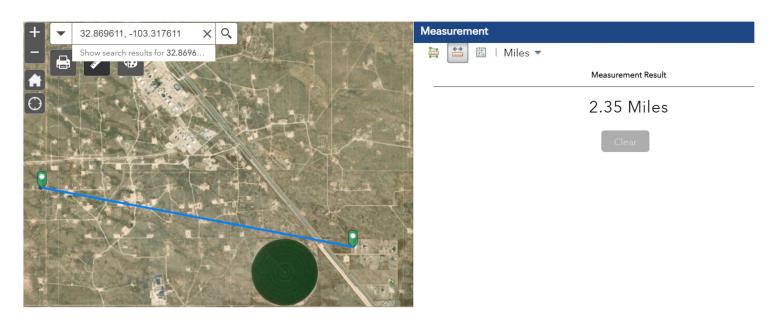
Appendix B

Site Characterization Data

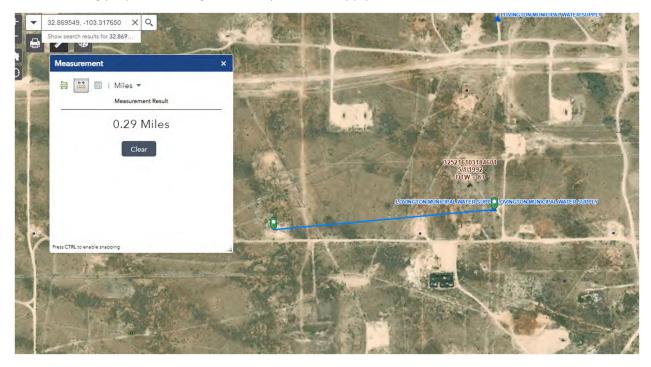
Distance to lakebed, sinkhole, or playa lake.



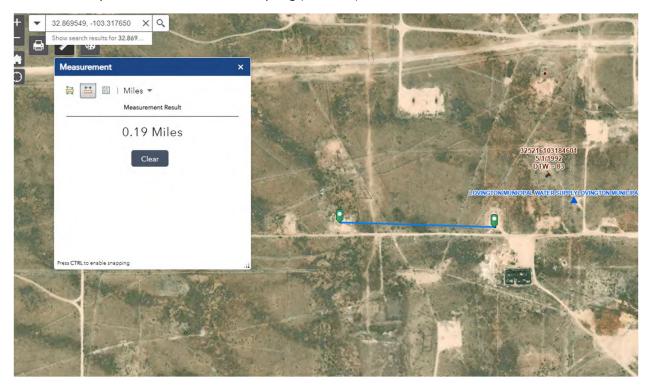
Distance to occupied permanent residence, school, hospital, institution, or church.



Distance to spring or private domestic fresh water well used by less than five households for domestic or stock watering purposes (Lovington Municipal Water Supply Well NM3521813).



Distance to any other fresh water well or spring (L- 04588).



Distance to a wetland.



Appendix C

Laboratory Analytical Reports

Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Douglas Jordan ARCADIS U.S. Inc 10205 Westheimer Rd Suite 800 Houston, Texas 77042

Generated 4/8/2023 8:28:00 AM

JOB DESCRIPTION

LPU - 45

JOB NUMBER

880-26494-1

Eurofins Midland 1211 W. Florida Ave Midland TX 79701

Eurofins Midland

Job Notes

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

Generated 4/8/2023 8:28:00 AM

Authorized for release by John Builes, Project Manager John.Builes@et.eurofinsus.com (561)558-4549 ð

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Client: ARCADIS U.S. Inc
Project/Site: LPU - 45

Laboratory Job ID: 880-26494-1

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Definitions/Glossary

Client: ARCADIS U.S. Inc Job ID: 880-26494-1

Project/Site: LPU - 45

000-20-34-1

Qualifiers

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G	L.	v	u	А

Qualifier	ualifier Description			
F1	MS and/or MSD recovery exceeds control limits.			
F2	MS/MSD RPD exceeds control limits			
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.			
S1-	Surrogate recovery exceeds control limits, low biased.			
U	Indicates the analyte was analyzed for but not detected.			

GC Semi VOA

GC Sellii VC	DA CONTRACTOR CONTRACT			
Qualifier	Qualifier Description			
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.			
S1- Surrogate recovery exceeds control limits, low biased.				
U	Indicates the analyte was analyzed for but not detected.			
HPLC/IC				
Qualifier	Qualifier Description			

Glossary

Glossary	
Abbreviation	These commonly used abbreviations may or may not be present in this report.
п	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
DL	Detection Limit (DoD/DOE)
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)
FDI	Estimated Detection Limit (Dioxin)

EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"

MOL	El / (1000) millionada maximam Contaminam Edvor
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit

Indicates the analyte was analyzed for but not detected.

MDL	Method Detection Limit
ML	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
PQL	Practical Quantitation Limi
PRES	Presumptive
QC	Quality Control

RER	Relative Error Ratio (Radiochemistry)
11211	rtolativo Error rtatio (rtadiooriorilotiy)

RL Reporting Limit or Requested Limit (Radiochemistry)

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

Case Narrative

Client: ARCADIS U.S. Inc

Job ID: 880-26494-1

Project/Site: LPU - 45

Job ID: 880-26494-1

Laboratory: Eurofins Midland

Narrative

Job Narrative 880-26494-1

Receipt

The samples were received on 3/28/2023 4:57 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 1.3°C

Receipt Exceptions

The following samples analyzed for method <TPH 8015> were received and analyzed from an unpreserved bulk soil jar.

GC VOA

Method 8021B: Surrogate recovery for the following sample was outside control limits: (MB 880-50426/5-A). Evidence of matrix interferences is not obvious.

Method 8021B: Surrogate recovery for the following sample was outside control limits: (MB 880-50430/5-A). Evidence of matrix interferences is not obvious.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-50430 and analytical batch 880-50521 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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: Surrogate recovery for the following samples were outside control limits: (LCS 880-50008/2-A) and (LCSD 880-50008/3-A). Evidence of matrix interferences is not obvious.

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

HPLC/IC

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

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Eurofins Midland 4/8/2023

Client: ARCADIS U.S. Inc Job ID: 880-26494-1

Project/Site: LPU - 45

Date Received: 03/28/23 16:57

Client Sample ID: SB-3-S-0-0.5-20230328

Date Collected: 03/28/23 11:57

Lab Sample ID: 880-26494-1

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000381	U F2 F1	0.00198	0.000381	mg/Kg		04/05/23 16:48	04/07/23 06:02	1
Toluene	<0.000451	U F2 F1	0.00198	0.000451	mg/Kg		04/05/23 16:48	04/07/23 06:02	1
Ethylbenzene	<0.000559	U F2 F1	0.00198	0.000559	mg/Kg		04/05/23 16:48	04/07/23 06:02	1
m-Xylene & p-Xylene	<0.00100	U F2 F1	0.00396	0.00100	mg/Kg		04/05/23 16:48	04/07/23 06:02	1
o-Xylene	0.000341	J F2 F1	0.00198	0.000341	mg/Kg		04/05/23 16:48	04/07/23 06:02	1
Xylenes, Total	<0.00100	U F1	0.00396	0.00100	mg/Kg		04/05/23 16:48	04/07/23 06:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130				04/05/23 16:48	04/07/23 06:02	1
1,4-Difluorobenzene (Surr)	84		70 - 130				04/05/23 16:48	04/07/23 06:02	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	26.3	J	49.9	15.0	mg/Kg			04/03/23 12:07	1

Method: SW846 8015E	NM - Diesel Range	Organics (DRO) (GC)

		, ,	· /						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	26.3	J	49.9	15.0	mg/Kg		03/31/23 09:22	04/01/23 16:21	1
Diesel Range Organics (Over C10-C28)	<15.0	U	49.9	15.0	mg/Kg		03/31/23 09:22	04/01/23 16:21	1
Oll Range Organics (Over C28-C36)	<15.0	U	49.9	15.0	mg/Kg		03/31/23 09:22	04/01/23 16:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1 Chlaracatona	100		70 120				02/24/22 00:22	04/04/02 16:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130	03/31/23 09:22	04/01/23 16:21	1
o-Terphenyl	80		70 - 130	03/31/23 09:22	04/01/23 16:21	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	79.9		4.97	0.393	mg/Kg			04/05/23 19:32	1

Client Sample ID: SB-3-S-2-20230328

Lab Sample ID: 880-26494-2 Date Collected: 03/28/23 11:58 **Matrix: Solid** Date Received: 03/28/23 16:57

- 1							
- 1	Mothod:	SWAVE	2021B	- Volatilo	Organic	Compound	de (CC)

method: Swo46 8021B - Volatile Organic Compounds (GC)											
Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac			
<0.000383	U	0.00199	0.000383	mg/Kg		04/05/23 16:48	04/07/23 06:29	1			
< 0.000453	U	0.00199	0.000453	mg/Kg		04/05/23 16:48	04/07/23 06:29	1			
<0.000562	U	0.00199	0.000562	mg/Kg		04/05/23 16:48	04/07/23 06:29	1			
<0.00100	U	0.00398	0.00100	mg/Kg		04/05/23 16:48	04/07/23 06:29	1			
<0.000342	U	0.00199	0.000342	mg/Kg		04/05/23 16:48	04/07/23 06:29	1			
<0.00100	U	0.00398	0.00100	mg/Kg		04/05/23 16:48	04/07/23 06:29	1			
%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac			
114		70 - 130				04/05/23 16:48	04/07/23 06:29	1			
78		70 - 130				04/05/23 16:48	04/07/23 06:29	1			
	Result <0.000383 <0.000453 <0.000562 <0.00100 <0.000342 <0.00100	Result Qualifier	Result Qualifier RL <0.000383	Result Qualifier RL MDL <0.000383	Result Qualifier RL MDL Unit <0.000383	Result Qualifier RL MDL Unit D <0.000383	Result Qualifier RL MDL Unit D Prepared <0.000383	Result Qualifier RL MDL Unit D Prepared Analyzed <0.000383			

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

49.9

15.0 mg/Kg

31.9 J

Eurofins Midland

04/03/23 12:07

Total TPH

Client: ARCADIS U.S. Inc Job ID: 880-26494-1

Project/Site: LPU - 45

Client Sample ID: SB-3-S-2-20230328

Date Collected: 03/28/23 11:58 Date Received: 03/28/23 16:57

.ab	Sample	ID:	880-264	94-2
			Matrix:	Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	31.9	J	49.9	15.0	mg/Kg		03/31/23 09:22	04/01/23 16:43	1
Diesel Range Organics (Over C10-C28)	<15.0	U	49.9	15.0	mg/Kg		03/31/23 09:22	04/01/23 16:43	1
Oll Range Organics (Over C28-C36)	<15.0	U	49.9	15.0	mg/Kg		03/31/23 09:22	04/01/23 16:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130				03/31/23 09:22	04/01/23 16:43	1
o-Terphenyl	83		70 - 130				03/31/23 09:22	04/01/23 16:43	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble Result Qualifier Prepared Analyzed Dil Fac Chloride 25.1 1.98 mg/Kg 04/05/23 19:36 1220

Client Sample ID: SB-1-S-0-0.5-20230328

Date Collected: 03/28/23 12:03 Date Received: 03/28/23 16:57

Lab Sample ID: 880-26494-3

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000383	U	0.00199	0.000383	mg/Kg		04/05/23 16:48	04/07/23 06:55	1
Toluene	<0.000454	U	0.00199	0.000454	mg/Kg		04/05/23 16:48	04/07/23 06:55	1
Ethylbenzene	< 0.000563	U	0.00199	0.000563	mg/Kg		04/05/23 16:48	04/07/23 06:55	1
m-Xylene & p-Xylene	<0.00101	U	0.00398	0.00101	mg/Kg		04/05/23 16:48	04/07/23 06:55	1
o-Xylene	< 0.000343	U	0.00199	0.000343	mg/Kg		04/05/23 16:48	04/07/23 06:55	1
Xylenes, Total	<0.00101	U	0.00398	0.00101	mg/Kg		04/05/23 16:48	04/07/23 06:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119	-	70 - 130				04/05/23 16:48	04/07/23 06:55	1
1,4-Difluorobenzene (Surr)	89		70 - 130				04/05/23 16:48	04/07/23 06:55	1
Total TPH : 		nics (DRO)	• •	15.0	mg/Kg			04/03/23 12:07	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	34.3	J	50.0	15.0	mg/Kg		03/31/23 09:22	04/01/23 17:05	1
(31(3)-33-010					mg/Kg		03/31/23 09:22	04/01/23 17:05	
Diesel Range Organics (Over C10-C28)	<15.0	U	50.0	15.0	5 5		00/01/20 00:22	04/01/20 17:00	1
Diesel Range Organics (Over	<15.0 <15.0		50.0	15.0			03/31/23 09:22	04/01/23 17:05	
Diesel Range Organics (Over C10-C28)		U							1
Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	<15.0	U	50.0				03/31/23 09:22	04/01/23 17:05	Dil Fac
Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate	<15.0	U	50.0				03/31/23 09:22 Prepared	04/01/23 17:05 Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	<15.0 **Recovery 105 82	U Qualifier	50.0 Limits 70 - 130 70 - 130				03/31/23 09:22 Prepared 03/31/23 09:22	04/01/23 17:05 Analyzed 04/01/23 17:05	1 Dil Fac
Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	<15.0 **Recovery 105 82 Chromatograp	U Qualifier	50.0 Limits 70 - 130 70 - 130		mg/Kg	D	03/31/23 09:22 Prepared 03/31/23 09:22	04/01/23 17:05 Analyzed 04/01/23 17:05	Dil Fac

Client: ARCADIS U.S. Inc Job ID: 880-26494-1

Project/Site: LPU - 45

Client Sample ID: SB-1-S-2-20230328

Date Collected: 03/28/23 12:57 Date Received: 03/28/23 16:57

Lab Sample ID: 880-26494-4

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000384	U	0.00200	0.000384	mg/Kg		04/05/23 16:48	04/07/23 08:23	1
Toluene	< 0.000455	U	0.00200	0.000455	mg/Kg		04/05/23 16:48	04/07/23 08:23	1
Ethylbenzene	< 0.000564	U	0.00200	0.000564	mg/Kg		04/05/23 16:48	04/07/23 08:23	1
m-Xylene & p-Xylene	<0.00101	U	0.00399	0.00101	mg/Kg		04/05/23 16:48	04/07/23 08:23	1
o-Xylene	< 0.000343	U	0.00200	0.000343	mg/Kg		04/05/23 16:48	04/07/23 08:23	1
Xylenes, Total	<0.00101	U	0.00399	0.00101	mg/Kg		04/05/23 16:48	04/07/23 08:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	126		70 - 130				04/05/23 16:48	04/07/23 08:23	1
1,4-Difluorobenzene (Surr)	82		70 - 130				04/05/23 16:48	04/07/23 08:23	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Result Qualifier Analyte RLMDL Unit D Prepared Analyzed Dil Fac Total TPH <15.0 U 50.0 15.0 mg/Kg 04/03/23 12:07

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<15.0	U	50.0	15.0	mg/Kg		03/31/23 09:22	04/01/23 17:26	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<15.0	U	50.0	15.0	mg/Kg		03/31/23 09:22	04/01/23 17:26	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		03/31/23 09:22	04/01/23 17:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130				03/31/23 09:22	04/01/23 17:26	1
o-Terphenyl	88		70 - 130				03/31/23 09:22	04/01/23 17:26	1

Method: EPA 300.0 - Anions, Ion C	hromatograp	hy - Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	404		5.03	0.397	mg/Kg			04/05/23 19:45	1

Client Sample ID: SB-2-S-0-0.5-20230328

Lab Sample ID: 880-26494-5 Date Collected: 03/28/23 12:16 **Matrix: Solid**

Date Received: 03/28/23 16:57

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000387	U	0.00201	0.000387	mg/Kg		04/05/23 16:48	04/07/23 08:49	1
Toluene	< 0.000459	U	0.00201	0.000459	mg/Kg		04/05/23 16:48	04/07/23 08:49	1
Ethylbenzene	<0.000568	U	0.00201	0.000568	mg/Kg		04/05/23 16:48	04/07/23 08:49	1
m-Xylene & p-Xylene	<0.00102	U	0.00402	0.00102	mg/Kg		04/05/23 16:48	04/07/23 08:49	1
o-Xylene	< 0.000346	U	0.00201	0.000346	mg/Kg		04/05/23 16:48	04/07/23 08:49	1
Xylenes, Total	<0.00102	U	0.00402	0.00102	mg/Kg		04/05/23 16:48	04/07/23 08:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130				04/05/23 16:48	04/07/23 08:49	1
1,4-Difluorobenzene (Surr)	84		70 - 130				04/05/23 16:48	04/07/23 08:49	1
Method: SW846 8015 NM - Die	sel Range Organ	ics (DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.0	П	49.9	15.0	mg/Kg			04/03/23 12:07	1

Client: ARCADIS U.S. Inc Job ID: 880-26494-1

Project/Site: LPU - 45

Client Sample ID: SB-2-S-0-0.5-20230328

Date Collected: 03/28/23 12:16 Date Received: 03/28/23 16:57

Lab Sample ID: 880-26494-5

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<15.0	U	49.9	15.0	mg/Kg		03/31/23 09:22	04/01/23 17:48	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<15.0	U	49.9	15.0	mg/Kg		03/31/23 09:22	04/01/23 17:48	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<15.0	U	49.9	15.0	mg/Kg		03/31/23 09:22	04/01/23 17:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	122		70 - 130				03/31/23 09:22	04/01/23 17:48	1
o-Terphenyl	99		70 - 130				03/31/23 09:22	04/01/23 17:48	1

5.04 04/05/23 19:50 Chloride 70.8 0.398 mg/Kg

Result Qualifier

Client Sample ID: SB-2-S-2-20230328

Date Collected: 03/28/23 12:19

Analyte

Analyte

Chloride

Date Received: 03/28/23 16:57

Lab	Sample	ID:	880-26494-6
			Matrix: Solid

Prepared

Prepared

Analyzed

Dil Fac

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000386	U	0.00200	0.000386	mg/Kg		04/05/23 16:48	04/07/23 09:15	1
Toluene	< 0.000457	U	0.00200	0.000457	mg/Kg		04/05/23 16:48	04/07/23 09:15	1
Ethylbenzene	< 0.000566	U	0.00200	0.000566	mg/Kg		04/05/23 16:48	04/07/23 09:15	1
m-Xylene & p-Xylene	<0.00101	U	0.00401	0.00101	mg/Kg		04/05/23 16:48	04/07/23 09:15	1
o-Xylene	< 0.000345	U	0.00200	0.000345	mg/Kg		04/05/23 16:48	04/07/23 09:15	1
Xylenes, Total	<0.00101	U	0.00401	0.00101	mg/Kg		04/05/23 16:48	04/07/23 09:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130				04/05/23 16:48	04/07/23 09:15	1
1,4-Difluorobenzene (Surr)	87		70 - 130				04/05/23 16:48	04/07/23 09:15	1
Method: SW846 8015 NM - Diese	•	, ,,	•						
Method: SW846 8015 NM - Diese Analyte	•	ics (DRO) (GC)	MDL	Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
	•	Qualifier	•		Unit mg/Kg	<u>D</u>	Prepared	Analyzed 04/03/23 12:07	
Analyte Total TPH	Result 32.8	Qualifier J	RL 49.9			<u>D</u>	Prepared		Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies	Result 32.8	Qualifier J	RL 49.9	15.0		<u>D</u>	Prepared Prepared	04/03/23 12:07 Analyzed	1
Analyte	Result 32.8	Qualifier J Inics (DRO) Qualifier	RL 49.9 (GC)	15.0	mg/Kg			04/03/23 12:07	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result 32.8 sel Range Orga Result	Qualifier J nics (DRO) Qualifier J	RL 49.9 (GC)	15.0 MDL 15.0	mg/Kg		Prepared	04/03/23 12:07 Analyzed	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics	Result 32.8 sel Range Orga Result 32.8	Qualifier J Inics (DRO) Qualifier J	RL 49.9 (GC) RL 49.9	15.0 MDL 15.0 15.0	mg/Kg Unit mg/Kg		Prepared 03/31/23 09:22	04/03/23 12:07 Analyzed 04/01/23 18:10	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result 32.8 sel Range Orga Result 32.8								

Eurofins Midland

Analyzed

04/05/23 19:54

RL

4.97

MDL Unit

mg/Kg

0.393

Dil Fac

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Result Qualifier

69.7

Surrogate Summary

Client: ARCADIS U.S. Inc Job ID: 880-26494-1

Project/Site: LPU - 45

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limit
		BFB1	DFBZ1	
_ab Sample ID	Client Sample ID	(70-130)	(70-130)	
80-26494-1	SB-3-S-0-0.5-20230328	106	84	
80-26494-1 MS	SB-3-S-0-0.5-20230328	112	91	
80-26494-1 MSD	SB-3-S-0-0.5-20230328	91	78	
80-26494-2	SB-3-S-2-20230328	114	78	
880-26494-3	SB-1-S-0-0.5-20230328	119	89	
80-26494-4	SB-1-S-2-20230328	126	82	
880-26494-5	SB-2-S-0-0.5-20230328	114	84	
80-26494-6	SB-2-S-2-20230328	120	87	
CS 880-50430/1-A	Lab Control Sample	107	106	
CSD 880-50430/2-A	Lab Control Sample Dup	100	77	
MB 880-50426/5-A	Method Blank	67 S1-	84	
MB 880-50430/5-A	Method Blank	68 S1-	84	
Surrogate Legend				
BFB = 4-Bromofluorober	nzene (Surr)			
DFBZ = 1,4-Difluoroben:	zene (Surr)			

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)	
880-26494-1	SB-3-S-0-0.5-20230328	102	80	
880-26494-2	SB-3-S-2-20230328	106	83	
880-26494-3	SB-1-S-0-0.5-20230328	105	82	
880-26494-4	SB-1-S-2-20230328	111	88	
880-26494-5	SB-2-S-0-0.5-20230328	122	99	
880-26494-6	SB-2-S-2-20230328	101	82	
LCS 880-50008/2-A	Lab Control Sample	86	65 S1-	
LCSD 880-50008/3-A	Lab Control Sample Dup	74	55 S1-	
MB 880-50008/1-A	Method Blank	112	93	

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Client: ARCADIS U.S. Inc Job ID: 880-26494-1

Project/Site: LPU - 45

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-50426/5-A

Analysis Batch: 50521

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 50426

	IVID	IVID							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000385	U	0.00200	0.000385	mg/Kg		04/05/23 16:16	04/06/23 15:50	1
Toluene	<0.000456	U	0.00200	0.000456	mg/Kg		04/05/23 16:16	04/06/23 15:50	1
Ethylbenzene	< 0.000565	U	0.00200	0.000565	mg/Kg		04/05/23 16:16	04/06/23 15:50	1
m-Xylene & p-Xylene	<0.00101	U	0.00400	0.00101	mg/Kg		04/05/23 16:16	04/06/23 15:50	1
o-Xylene	<0.000344	U	0.00200	0.000344	mg/Kg		04/05/23 16:16	04/06/23 15:50	1
Xylenes, Total	<0.00101	U	0.00400	0.00101	mg/Kg		04/05/23 16:16	04/06/23 15:50	1

MB MB

MD MD

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	67	S1-	70 - 130	04/05/23 16:16	04/06/23 15:50	1
1,4-Difluorobenzene (Surr)	84		70 - 130	04/05/23 16:16	04/06/23 15:50	1

Lab Sample ID: MB 880-50430/5-A

Client Sample ID: Method Blank

Matrix: Solid							Prep Type:	Total/NA
Analysis Batch: 50521							Prep Bato	:h: 50430
	MB	MB						
Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000385	U	0.00200	0.000385	mg/Kg		04/05/23 16:48	04/07/23 05:35	1
Toluene	< 0.000456	U	0.00200	0.000456	mg/Kg		04/05/23 16:48	04/07/23 05:35	1
Ethylbenzene	< 0.000565	U	0.00200	0.000565	mg/Kg		04/05/23 16:48	04/07/23 05:35	1
m-Xylene & p-Xylene	<0.00101	U	0.00400	0.00101	mg/Kg		04/05/23 16:48	04/07/23 05:35	1
o-Xylene	<0.000344	U	0.00200	0.000344	mg/Kg		04/05/23 16:48	04/07/23 05:35	1
Xylenes, Total	<0.00101	U	0.00400	0.00101	mg/Kg		04/05/23 16:48	04/07/23 05:35	1

мв мв

Surrogate	%Recovery	Qualifier	Limits	Prepare	ed	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	68	S1-	70 - 130	04/05/23	16:48	04/07/23 05:35	1
1,4-Difluorobenzene (Surr)	84		70 - 130	04/05/23	16:48	04/07/23 05:35	1

Lab Sample ID: LCS 880-50430/1-A

Matrix: Solid

Analysis Batch: 50521

Client Sample ID: Lab Control Sample

Prep Type: Total/NA Prep Batch: 50430

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.09961		mg/Kg		100	70 - 130	
Toluene	0.100	0.1040		mg/Kg		104	70 - 130	
Ethylbenzene	0.100	0.09690		mg/Kg		97	70 - 130	
m-Xylene & p-Xylene	0.200	0.1879		mg/Kg		94	70 - 130	
o-Xvlene	0.100	0.09963		ma/Ka		100	70 - 130	

LCS LCS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	107	70 - 130
1.4-Difluorobenzene (Surr)	106	70 - 130

Lab Sample ID: LCSD 880-50430/2-A

Matrix: Solid

Analysis Batch: 50521

Client Sample ID:	: Lab Control Sample Dup)
	Dean Time, Tetal/N/	

Prep Type: Total/NA

Prep Batch: 50430

	эріке	LCSD LCSD				%Rec		KPD	
Analyte	Added	Result Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Benzene	0.100	0.1077	mg/Kg		108	70 - 130	8	35	

Prep Batch: 50430

QC Sample Results

Client: ARCADIS U.S. Inc Job ID: 880-26494-1

Project/Site: LPU - 45

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

Lab Sample ID: LCSD 880-50430/2-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 50521

· · · · · · · · · · · · · · · · · · ·									
	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Toluene	0.100	0.1136		mg/Kg		114	70 - 130	9	35
Ethylbenzene	0.100	0.1077		mg/Kg		108	70 - 130	11	35
m-Xylene & p-Xylene	0.200	0.2094		mg/Kg		105	70 - 130	11	35
o-Xylene	0.100	0.1098		mg/Kg		110	70 - 130	10	35
	Analyte Toluene Ethylbenzene m-Xylene & p-Xylene	Analyte Added Toluene 0.100 Ethylbenzene 0.100 m-Xylene & p-Xylene 0.200	Analyte Added Result Toluene 0.100 0.1136 Ethylbenzene 0.100 0.1077 m-Xylene & p-Xylene 0.200 0.2094	Analyte Added Result Qualifier Toluene 0.100 0.1136 Ethylbenzene 0.100 0.1077 m-Xylene & p-Xylene 0.200 0.2094	Analyte Added Result Qualifier Unit Toluene 0.100 0.1136 mg/Kg Ethylbenzene 0.100 0.1077 mg/Kg m-Xylene & p-Xylene 0.200 0.2094 mg/Kg	Analyte Added Result Qualifier Unit D Toluene 0.100 0.1136 mg/Kg Ethylbenzene 0.100 0.1077 mg/Kg m-Xylene & p-Xylene 0.200 0.2094 mg/Kg	Analyte Added Result Qualifier Unit D %Rec Toluene 0.100 0.1136 mg/Kg 114 Ethylbenzene 0.100 0.1077 mg/Kg 108 m-Xylene & p-Xylene 0.200 0.2094 mg/Kg 105	Analyte Added Result Qualifier Unit D %Rec Limits Toluene 0.100 0.1136 mg/Kg 114 70 - 130 Ethylbenzene 0.100 0.1077 mg/Kg 108 70 - 130 m-Xylene & p-Xylene 0.200 0.2094 mg/Kg 105 70 - 130	Analyte Added Result Qualifier Unit D %Rec Limits RPD Toluene 0.100 0.1136 mg/Kg 114 70 - 130 9 Ethylbenzene 0.100 0.1077 mg/Kg 108 70 - 130 11 m-Xylene & p-Xylene 0.200 0.2094 mg/Kg 105 70 - 130 11

LCSD LCSD %Recovery Qualifier Surrogate Limits 70 - 130 4-Bromofluorobenzene (Surr) 100 1,4-Difluorobenzene (Surr) 77 70 - 130

Lab Sample ID: 880-26494-1 MS Client Sample ID: SB-3-S-0-0.5-20230328 Prep Type: Total/NA

Matrix: Solid

Analysis Batch: 50521									Prep	Batch: 50430
	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.000381	U F2 F1	0.0998	0.08653		mg/Kg		87	70 - 130	
Toluene	<0.000451	U F2 F1	0.0998	0.07723		mg/Kg		77	70 - 130	
Ethylbenzene	< 0.000559	U F2 F1	0.0998	0.06306	F1	mg/Kg		63	70 - 130	
m-Xylene & p-Xylene	<0.00100	U F2 F1	0.200	0.01236	F1	mg/Kg		6	70 - 130	
o-Xylene	0.000341	J F2 F1	0.0998	0.07015		mg/Kg		70	70 - 130	

MS MS %Recovery Qualifier Limits Surrogate 70 - 130 4-Bromofluorobenzene (Surr) 112 1,4-Difluorobenzene (Surr) 70 - 130 91

Lab Sample ID: 880-26494-1 MSD Client Sample ID: SB-3-S-0-0.5-20230328

Matrix: Solid

Analysis Batch: 50521									Prep	Batch:	50430
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.000381	U F2 F1	0.100	0.03577	F2 F1	mg/Kg		36	70 - 130	83	35
Toluene	<0.000451	U F2 F1	0.100	0.03605	F2 F1	mg/Kg		36	70 - 130	73	35
Ethylbenzene	<0.000559	U F2 F1	0.100	0.03797	F2 F1	mg/Kg		38	70 - 130	50	35
m-Xylene & p-Xylene	<0.00100	U F2 F1	0.200	0.07312	F2 F1	mg/Kg		36	70 - 130	142	35
o-Xylene	0.000341	J F2 F1	0.100	0.03649	F2 F1	mg/Kg		36	70 - 130	63	35

	WSD	INISD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	91		70 - 130
1,4-Difluorobenzene (Surr)	78		70 - 130

MSD MSD

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

Lab Sample ID: MB 880-50008/1-A

Matrix: Solid

Analysis Batch: 50075

Client Sample ID: Method Blank Prep Type: Total/NA Prep Batch: 50008

мв мв Result Qualifier MDL Unit Prepared <15.0 U 50.0 15.0 mg/Kg 03/31/23 09:22 04/01/23 08:55 Gasoline Range Organics (GRO)-C6-C10

Eurofins Midland

Prep Type: Total/NA

Client: ARCADIS U.S. Inc Job ID: 880-26494-1

Project/Site: LPU - 45

Client Sample ID: Method Blank Lab Sample ID: MB 880-50008/1-A **Matrix: Solid** Prep Type: Total/NA **Analysis Batch: 50075** Prep Batch: 50008 MB MB

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over	<15.0	U	50.0	15.0	mg/Kg		03/31/23 09:22	04/01/23 08:55	1
C10-C28)									
OII Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		03/31/23 09:22	04/01/23 08:55	1
	МВ	MB							
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130				03/31/23 09:22	04/01/23 08:55	1
o-Terphenyl	93		70 - 130				03/31/23 09:22	04/01/23 08:55	1

Lab Sample ID: LCS 880-50008/2-A Client Sample ID: Lab Control Sample **Matrix: Solid** Prep Type: Total/NA Analysis Batch: 50075 Prep Batch: 50008 LCS LCS Spike Analyte Added Result Qualifier Unit D %Rec Limits Gasoline Range Organics 1000 802.6 80 70 - 130 mg/Kg (GRO)-C6-C10 1000 815.4 Diesel Range Organics (Over mg/Kg 82 70 - 130C10-C28) LCS LCS Qualifier Limits Surrogate %Recovery 1-Chlorooctane 70 - 130 86 65 S1o-Terphenyl 70 - 130 Lab Sample ID: LCSD 880-50008/3-A Client Sample ID: Lab Control Sample Dup

Matrix: Solid Prep Type: Total/NA **Analysis Batch: 50075** Prep Batch: 50008 Spike LCSD LCSD %Rec **RPD** Added Result Qualifier %Rec Limits RPD Limit Analyte Unit D Gasoline Range Organics 1000 895.3 90 70 - 130 20 mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over 1000 737.3 mg/Kg 74 70 - 130 10 20 C10-C28)

LCSD LCSD Surrogate %Recovery Qualifier Limits 1-Chlorooctane 74 70 - 130 o-Terphenyl 55 S1-70 - 130

<0.395 U

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-50175/1-A Client Sample ID: Method Blank **Matrix: Solid Prep Type: Soluble** Analysis Batch: 50439 мв мв Analyte Result Qualifier RL MDL Unit Prepared Analyzed Dil Fac

5.00

0.395

mg/Kg

Eurofins Midland

04/05/23 17:37

Chloride

QC Sample Results

Client: ARCADIS U.S. Inc Job ID: 880-26494-1

Project/Site: LPU - 45

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-50175/2-A **Client Sample ID: Lab Control Sample Prep Type: Soluble**

Matrix: Solid Analysis Batch: 50439

Spike LCS LCS %Rec Result Qualifier Added Analyte Unit %Rec Limits Chloride 250 245.7 mg/Kg 98 90 - 110

Lab Sample ID: LCSD 880-50175/3-A Client Sample ID: Lab Control Sample Dup

Matrix: Solid Prep Type: Soluble

Analysis Batch: 50439

Spike LCSD LCSD %Rec RPD Added Result Qualifier Limits RPD Limit Analyte Unit D %Rec Chloride 250 241.4 mg/Kg 97 90 - 110 2 20

QC Association Summary

Client: ARCADIS U.S. Inc
Project/Site: LPU - 45

Job ID: 880-26494-1

GC VOA

Prep Batch: 50426

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-50426/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 50430

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batcl
880-26494-1	SB-3-S-0-0.5-20230328	Total/NA	Solid	5030B	
880-26494-2	SB-3-S-2-20230328	Total/NA	Solid	5030B	
880-26494-3	SB-1-S-0-0.5-20230328	Total/NA	Solid	5030B	
880-26494-4	SB-1-S-2-20230328	Total/NA	Solid	5030B	
880-26494-5	SB-2-S-0-0.5-20230328	Total/NA	Solid	5030B	
880-26494-6	SB-2-S-2-20230328	Total/NA	Solid	5030B	
MB 880-50430/5-A	Method Blank	Total/NA	Solid	5030B	
LCS 880-50430/1-A	Lab Control Sample	Total/NA	Solid	5030B	
LCSD 880-50430/2-A	Lab Control Sample Dup	Total/NA	Solid	5030B	
880-26494-1 MS	SB-3-S-0-0.5-20230328	Total/NA	Solid	5030B	
880-26494-1 MSD	SB-3-S-0-0.5-20230328	Total/NA	Solid	5030B	

Analysis Batch: 50521

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26494-1	SB-3-S-0-0.5-20230328	Total/NA	Solid	8021B	50430
880-26494-2	SB-3-S-2-20230328	Total/NA	Solid	8021B	50430
880-26494-3	SB-1-S-0-0.5-20230328	Total/NA	Solid	8021B	50430
880-26494-4	SB-1-S-2-20230328	Total/NA	Solid	8021B	50430
880-26494-5	SB-2-S-0-0.5-20230328	Total/NA	Solid	8021B	50430
880-26494-6	SB-2-S-2-20230328	Total/NA	Solid	8021B	50430
MB 880-50426/5-A	Method Blank	Total/NA	Solid	8021B	50426
MB 880-50430/5-A	Method Blank	Total/NA	Solid	8021B	50430
LCS 880-50430/1-A	Lab Control Sample	Total/NA	Solid	8021B	50430
LCSD 880-50430/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	50430
880-26494-1 MS	SB-3-S-0-0.5-20230328	Total/NA	Solid	8021B	50430
880-26494-1 MSD	SB-3-S-0-0.5-20230328	Total/NA	Solid	8021B	50430

GC Semi VOA

Prep Batch: 50008

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26494-1	SB-3-S-0-0.5-20230328	Total/NA	Solid	8015NM Prep	
880-26494-2	SB-3-S-2-20230328	Total/NA	Solid	8015NM Prep	
880-26494-3	SB-1-S-0-0.5-20230328	Total/NA	Solid	8015NM Prep	
880-26494-4	SB-1-S-2-20230328	Total/NA	Solid	8015NM Prep	
880-26494-5	SB-2-S-0-0.5-20230328	Total/NA	Solid	8015NM Prep	
880-26494-6	SB-2-S-2-20230328	Total/NA	Solid	8015NM Prep	
MB 880-50008/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-50008/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-50008/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 50075

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26494-1	SB-3-S-0-0.5-20230328	Total/NA	Solid	8015B NM	50008
880-26494-2	SB-3-S-2-20230328	Total/NA	Solid	8015B NM	50008
880-26494-3	SB-1-S-0-0.5-20230328	Total/NA	Solid	8015B NM	50008
880-26494-4	SB-1-S-2-20230328	Total/NA	Solid	8015B NM	50008

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4/0/2022

QC Association Summary

Client: ARCADIS U.S. Inc Job ID: 880-26494-1 Project/Site: LPU - 45

GC Semi VOA (Continued)

Analysis Batch: 50075 (Continued)

Lab Sample ID 880-26494-5	Client Sample ID SB-2-S-0-0.5-20230328	Prep Type Total/NA	Matrix Solid	Method 8015B NM	Prep Batch 50008
880-26494-6	SB-2-S-2-20230328	Total/NA	Solid	8015B NM	50008
MB 880-50008/1-A	Method Blank	Total/NA	Solid	8015B NM	50008
LCS 880-50008/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	50008
LCSD 880-50008/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	50008

Analysis Batch: 50184

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26494-1	SB-3-S-0-0.5-20230328	Total/NA	Solid	8015 NM	
880-26494-2	SB-3-S-2-20230328	Total/NA	Solid	8015 NM	
880-26494-3	SB-1-S-0-0.5-20230328	Total/NA	Solid	8015 NM	
880-26494-4	SB-1-S-2-20230328	Total/NA	Solid	8015 NM	
880-26494-5	SB-2-S-0-0.5-20230328	Total/NA	Solid	8015 NM	
880-26494-6	SB-2-S-2-20230328	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 50175

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26494-1	SB-3-S-0-0.5-20230328	Soluble	Solid	DI Leach	
880-26494-2	SB-3-S-2-20230328	Soluble	Solid	DI Leach	
880-26494-3	SB-1-S-0-0.5-20230328	Soluble	Solid	DI Leach	
880-26494-4	SB-1-S-2-20230328	Soluble	Solid	DI Leach	
880-26494-5	SB-2-S-0-0.5-20230328	Soluble	Solid	DI Leach	
880-26494-6	SB-2-S-2-20230328	Soluble	Solid	DI Leach	
MB 880-50175/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-50175/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-50175/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 50439

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26494-1	SB-3-S-0-0.5-20230328	Soluble	Solid	300.0	50175
880-26494-2	SB-3-S-2-20230328	Soluble	Solid	300.0	50175
880-26494-3	SB-1-S-0-0.5-20230328	Soluble	Solid	300.0	50175
880-26494-4	SB-1-S-2-20230328	Soluble	Solid	300.0	50175
880-26494-5	SB-2-S-0-0.5-20230328	Soluble	Solid	300.0	50175
880-26494-6	SB-2-S-2-20230328	Soluble	Solid	300.0	50175
MB 880-50175/1-A	Method Blank	Soluble	Solid	300.0	50175
LCS 880-50175/2-A	Lab Control Sample	Soluble	Solid	300.0	50175
LCSD 880-50175/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	50175

Client Sample ID: SB-3-S-0-0.5-20230328

Date Collected: 03/28/23 11:57 Date Received: 03/28/23 16:57 Lab Sample ID: 880-26494-1

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.05 g	5 mL	50430	04/05/23 16:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	50521	04/07/23 06:02	SM	EET MID
Total/NA	Analysis	8015 NM		1			50184	04/03/23 12:07	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	50008	03/31/23 09:22	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	50075	04/01/23 16:21	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	50175	04/03/23 11:22	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	50439	04/05/23 19:32	SMC	EET MID

Client Sample ID: SB-3-S-2-20230328

Date Collected: 03/28/23 11:58

Date Received: 03/28/23 16:57

Lab Sample ID: 880-26494-2

Matrix: Solid

Batch Batch Dil Initial Final Batch Prepared Method Amount or Analyzed **Prep Type** Type Factor Amount Number Run Analyst Lab 5030B Total/NA 50430 04/05/23 16:48 Prep 5.03 g 5 mL MNR **EET MID** Total/NA Analysis 8021B 5 mL 5 mL 50521 04/07/23 06:29 SM **EET MID** 1 Total/NA Analysis 8015 NM 50184 04/03/23 12:07 **EET MID** 1 SM Total/NA 8015NM Prep 10.02 g 10 mL 50008 03/31/23 09:22 AJ EET MID Prep Total/NA Analysis 8015B NM 1 uL 1 uL 50075 04/01/23 16:43 SM **EET MID** DI Leach 50175 Soluble Leach 4.99 g 50 mL 04/03/23 11:22 KS EET MID Soluble Analysis 300.0 5 50 mL 50 mL 50439 04/05/23 19:36 SMC **EET MID**

Client Sample ID: SB-1-S-0-0.5-20230328

Date Collected: 03/28/23 12:03

Date Received: 03/28/23 16:57

Lab Sample ID: 880-26494-3

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.02 g	5 mL	50430	04/05/23 16:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	50521	04/07/23 06:55	SM	EET MID
Total/NA	Analysis	8015 NM		1			50184	04/03/23 12:07	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	50008	03/31/23 09:22	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	50075	04/01/23 17:05	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	50175	04/03/23 11:22	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	50439	04/05/23 19:41	SMC	EET MID

Client Sample ID: SB-1-S-2-20230328

Date Collected: 03/28/23 12:57

Date Received: 03/28/23 16:57

Lab Sample	ID: 880-26494-4
	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	5030B			5.01 g	5 mL	50430	04/05/23 16:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	50521	04/07/23 08:23	SM	EET MID
Total/NA	Analysis	8015 NM		1			50184	04/03/23 12:07	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	50008	03/31/23 09:22	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	50075	04/01/23 17:26	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: ARCADIS U.S. Inc Job ID: 880-26494-1

Project/Site: LPU - 45

Client Sample ID: SB-1-S-2-20230328

Date Collected: 03/28/23 12:57 Date Received: 03/28/23 16:57

Lab Sample ID: 880-26494-4

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.97 g	50 mL	50175	04/03/23 11:22	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	50439	04/05/23 19:45	SMC	EET MID

Client Sample ID: SB-2-S-0-0.5-20230328 Lab Sample ID: 880-26494-5

Date Collected: 03/28/23 12:16 Date Received: 03/28/23 16:57

Matrix: Solid

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	5030B			4.97 g	5 mL	50430	04/05/23 16:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	50521	04/07/23 08:49	SM	EET MID
Total/NA	Analysis	8015 NM		1			50184	04/03/23 12:07	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	50008	03/31/23 09:22	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	50075	04/01/23 17:48	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	50175	04/03/23 11:22	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	50439	04/05/23 19:50	SMC	EET MID

Client Sample ID: SB-2-S-2-20230328 Lab Sample ID: 880-26494-6

Date Collected: 03/28/23 12:19

Date Received: 03/28/23 16:57

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			4.99 g	5 mL	50430	04/05/23 16:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	50521	04/07/23 09:15	SM	EET MID
Total/NA	Analysis	8015 NM		1			50184	04/03/23 12:07	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	50008	03/31/23 09:22	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	50075	04/01/23 18:10	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	50175	04/03/23 11:22	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	50439	04/05/23 19:54	SMC	EET MID

Laboratory References:

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

Eurofins Midland

Accreditation/Certification Summary

Client: ARCADIS U.S. Inc Job ID: 880-26494-1

Project/Site: LPU - 45

Laboratory: Eurofins Midland

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

Authority		ogram	Identification Number	Expiration Date	
Texas	NE	ELAP	T104704400-22-25	06-30-23	
The fellowing englytee	are included in this report hi	it the leberatory is not cortifi	ad by the gayerning outherity. This list ma	u inaluda analutaa fa	
The following analytes	are included in this report, bu	it the laboratory is not certili	ed by the governing authority. This list ma	ay include analytes id	
				,	
the agency does not of	fer certification.				
the agency does not of Analysis Method	fer certification . Prep Method	Matrix	Analyte		

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Method Summary

Client: ARCADIS U.S. Inc Job ID: 880-26494-1

Project/Site: LPU - 45

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	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
5030B	Purge and Trap	SW846	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.

Laboratory References:

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

Eurofins Midland

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Sample Summary

Client: ARCADIS U.S. Inc Project/Site: LPU - 45 Job ID: 880-26494-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-26494-1	SB-3-S-0-0.5-20230328	Solid	03/28/23 11:57	03/28/23 16:57
880-26494-2	SB-3-S-2-20230328	Solid	03/28/23 11:58	03/28/23 16:57
880-26494-3	SB-1-S-0-0.5-20230328	Solid	03/28/23 12:03	03/28/23 16:57
880-26494-4	SB-1-S-2-20230328	Solid	03/28/23 12:57	03/28/23 16:57
880-26494-5	SB-2-S-0-0.5-20230328	Solid	03/28/23 12:16	03/28/23 16:57
880-26494-6	SB-2-S-2-20230328	Solid	03/28/23 12:19	03/28/23 16:57

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Sulget Seurofins | Environment Testing None
ASNBO2
NB204S
NB2SO3
HB2SO3
H2SO4
TSP Dodecahydrate
MCAA
Than 4-5
Thana Special Instructions/Note 3-3-165-Company Suprime 3 33 73 JAM Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Return To Client Disposal By Lab Archive For MonSpecial Instructions/OC Requirements HCL
NACH
- Zn Acetate
Nitric Acid
Nath Sod
- MeOH
- MeOH
- Amchlor
- Amchlor
- Lo I water
- Lo I water
- EDA COC No 880-5474-713 2 <u>S</u> Page: / / Page / of @ 880-26494 Chain of κ) 10) State of Origin: Analysis Requested ooler Temperature(s) °C and Other Remarks Lab PM Builes John E-Mail John Builes@et.eurofinsus com RRR Q Chain of Custody Record 300_ORGFM_28D, 8015MOD_UM, 8021B Sompany ASSES Matrix (w=water S=solid, O=waste/oll, Solid Solid Preservation Code: Solid Solid 事 Solid Solid Solid Splid Poison B Unknown Radiological Sample Type (C=comp, G=grab) Sampler Showswell Þ P 436-288-087E P P 1657 D P 21000 Spen Den 3 ompliance Project: A Yes A No 1203 1887 1216 Sample Time 1158 1219 1154 Date/Time 03/23/23 Due Date Requested 23/23/23 20/18/12 PO# PN 30172230 WO#: 03/23/23 23/23/29 p3/28/23 Sample Date oster his Project #: 88001697 SSOW#: 58-3-5-0-0,5-70230328 12-20230328 \$250 CD 02 - 7 58-2-5-0-0,5 -2=23033 58-1-5-0-6,5-20230328 53-1-5- 1-6- 2023 03 23 Déliverable Requested I II, III IV Other (specify) AP4-45 Custody Seals Intact. Custody Seal No Possible Hazard Identification 10205 Westhermer Rd Suite 800 ungton LPU Central Battery louglas jordan@arcadıs.com npty Kit Relinquished by **Eurofins Midland** Client Information Midland TX 79701 Phone (432) 704-5440 Sample Identification 1211 W Florida Ave -5-2-85 713-953-4739(Tel) ARCADIS U S Inc 53-3-5-1 Jouglas Jordan

Page 22 of 23

State Zip TX, 77042 Houston

4/8/2023

inquished by

Login Sample Receipt Checklist

Client: ARCADIS U.S. Inc Job Number: 880-26494-1

List Source: Eurofins Midland Login Number: 26494

List Number: 1

Creator: Kramer, Jessica

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.	True	
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	

Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Morgan Jordan ARCADIS US Inc 1004 North Big Spring Suite 300

Midland, Texas 79701 Generated 2/15/2024 3:51:12 PM

JOB DESCRIPTION

LPU 45 Lovington, NM

JOB NUMBER

880-38876-1

Eurofins Midland 1211 W. Florida Ave Midland TX 79701

Eurofins Midland

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

Generated 2/15/2024 3:51:12 PM

Authorized for release by John Builes, Project Manager John.Builes@et.eurofinsus.com (561)558-4549

Page 2 of 27 2/15/2024 Released to Imaging: 6/26/2024 10:00:05 AM

Client: ARCADIS US Inc
Project/Site: LPU 45
Laboratory Job ID: 880-38876-1
SDG: Lovington, NM

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Definitions/Glossary

Client: ARCADIS US Inc Job ID: 880-38876-1 Project/Site: LPU 45 SDG: Lovington, NM

Qualifiers

GC VOA

Qualifier **Qualifier Description** Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

U Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

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

HPLC/IC

Qualifier **Qualifier Description**

Indicates the analyte was analyzed for but not detected.

Glossary

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

DFR Duplicate Error Ratio (normalized absolute difference)

Dil Fac **Dilution Factor**

DL Detection Limit (DoD/DOE)

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

Decision Level Concentration (Radiochemistry) DLC

EDL Estimated Detection Limit (Dioxin) LOD Limit of Detection (DoD/DOE) LOQ Limit of Quantitation (DoD/DOE) EPA recommended "Maximum Contaminant Level" MCL

MDA Minimum Detectable Activity (Radiochemistry) MDC Minimum Detectable Concentration (Radiochemistry)

Method Detection Limit MDL 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 PQL Practical Quantitation Limit

PRES Presumptive QC **Quality Control**

RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

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

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

TNTC Too Numerous To Count

Eurofins Midland

Case Narrative

Client: ARCADIS US Inc

Job ID: 880-38876-1

Project: LPU 45

Job ID: 880-38876-1

Eurofins Midland

Job Narrative 880-38876-1

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 method.
- · 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 2/5/2024~8:42~AM. 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 $1.5^{\circ}C$

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: SB-4-S-1'-240201 (880-38876-1), SB-4-S-2'-240201 (880-38876-2), SB-5-S-1'-240201 (880-38876-3), SB-5-S-2'-240201 (880-38876-4), SB-5-S-4'-240201 (880-38876-5), SB-6-S-1'-240201 (880-38876-6), SB-6-S-2'-240201 (880-38876-7), SB-6-S-4'-240201 (880-38876-8), SB-7-S-1'-240201 (880-38876-9), SB-7-S-2'-240201 (880-38876-10), SB-7-S-4'-240201 (880-38876-11), SB-8-S-1'-240201 (880-38876-12) and SB-8-S-1.5'-240201 (880-38876-13).

GC VOA

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 880-72465 and analytical batch 880-72794 was outside the upper control limits.

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

HPLC/IC

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

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Client Sample Results

Client: ARCADIS US Inc
Project/Site: LPU 45
Job ID: 880-38876-1
SDG: Lovington, NM

Client Sample ID: SB-4-S-1'-240201

Date Collected: 02/01/24 12:40 Date Received: 02/05/24 08:42 Lab Sample ID: 880-38876-1

Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Chloride	68.2		4.96	0.392	mg/Kg			02/05/24 21:52	1

Client Sample ID: SB-4-S-2'-240201

Date Collected: 02/01/24 12:50 Date Received: 02/05/24 08:42 Lab Sample ID: 880-38876-2

Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC) Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac <0.000383 U Benzene 0.00199 0.000383 02/13/24 14:44 02/14/24 23:17 mg/Kg Toluene 0.00117 J 0.00199 0.000454 mg/Kg 02/13/24 14:44 02/14/24 23:17 0.00199 0.000563 mg/Kg 02/13/24 14:44 02/14/24 23:17 Ethylbenzene <0.000563 U m-Xylene & p-Xylene <0.00101 U 0.00398 0.00101 mg/Kg 02/13/24 14:44 02/14/24 23:17 02/13/24 14:44 o-Xylene <0.000343 U 0.00199 0.000343 mg/Kg 02/14/24 23:17 Xylenes, Total <0.00101 U 0.00398 0.00101 mg/Kg 02/13/24 14:44 02/14/24 23:17 Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 02/13/24 14:44 4-Bromofluorobenzene (Surr) 81 70 - 130 02/14/24 23:17 1,4-Difluorobenzene (Surr) 71 70 - 130 02/13/24 14:44 02/14/24 23:17

Method: TAL SOP Total BTEX - Total BTEX Calculation										
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Total BTEX	0.00117	J	0.00398	0.00101	mg/Kg			02/14/24 23:17	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)										
	Analyte	Result C	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Total TPH	<14.9 L	J	49.7	14.9	mg/Kg			02/10/24 21:24	1

Method: SW846 8015B NM - Dies	el Range Orga	nics (DRO)) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.9	U	49.7	14.9	mg/Kg		02/06/24 10:41	02/10/24 21:24	1
Diesel Range Organics (Over C10-C28)	<14.9	U	49.7	14.9	mg/Kg		02/06/24 10:41	02/10/24 21:24	1
Oll Range Organics (Over C28-C36)	<14.9	U	49.7	14.9	mg/Kg		02/06/24 10:41	02/10/24 21:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130	02/06/24 10:41	02/10/24 21:24	1
o-Terphenyl	79		70 - 130	02/06/24 10:41	02/10/24 21:24	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Chloride	92.3		4.95	0.391	mg/Kg			02/05/24 21:57	1

Client Sample ID: SB-5-S-1'-240201

Date Collected: 02/01/24 13:10

Date Received: 02/05/24 08:42

Lab Sample ID: 880-38876-3

Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result Qu	ualifier RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	69.2	5.05	0.399	mg/Kg			02/05/24 17:18	1	

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Client: ARCADIS US Inc

Job ID: 880-38876-1

Project/Site: LPU 45

SDG: Lovington, NM

Client Sample ID: SB-5-S-2'-240201

Date Collected: 02/01/24 13:20 Date Received: 02/05/24 08:42 Lab Sample ID: 880-38876-4

02/06/24 10:41

02/10/24 21:47

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000383	U	0.00199	0.000383	mg/Kg		02/13/24 14:44	02/14/24 23:38	1
Toluene	0.000650	J	0.00199	0.000453	mg/Kg		02/13/24 14:44	02/14/24 23:38	1
Ethylbenzene	<0.000562	U	0.00199	0.000562	mg/Kg		02/13/24 14:44	02/14/24 23:38	1
m-Xylene & p-Xylene	<0.00100	U	0.00398	0.00100	mg/Kg		02/13/24 14:44	02/14/24 23:38	1
o-Xylene	<0.000342	U	0.00199	0.000342	mg/Kg		02/13/24 14:44	02/14/24 23:38	1
Xylenes, Total	<0.00100	U	0.00398	0.00100	mg/Kg		02/13/24 14:44	02/14/24 23:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	82		70 - 130				02/13/24 14:44	02/14/24 23:38	1
1,4-Difluorobenzene (Surr)	90		70 - 130				02/13/24 14:44	02/14/24 23:38	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte Result Qualifier RL MDL Unit

126

 Analyte
 Result
 Qualifier
 RL
 MDL Unit
 D mg/Kg
 Prepared
 Analyzed
 Dil Fac

 Total BTEX
 <0.00100</td>
 U
 0.00398
 0.00100
 mg/Kg
 02/14/24 23:38
 1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac Total TPH <15.0 U 02/10/24 21:47 49.9 15.0 mg/Kg

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) Result Qualifier RL MDL Unit Prepared Analyzed Dil Fac Gasoline Range Organics <15.0 U 49.9 15.0 02/06/24 10:41 02/10/24 21:47 mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over <15.0 U 49.9 15.0 ma/Ka 02/06/24 10:41 02/10/24 21:47 C10-C28) OII Range Organics (Over C28-C36) <15.0 U 49.9 15.0 mg/Kg 02/06/24 10:41 02/10/24 21:47 %Recovery Qualifier Limits Prepared Analyzed Dil Fac Surrogate

o-Terphenyl 108 70 - 130 02/06/24 10:41 02/10/24 21:47 1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte Result Qualifier RI MDI Unit D Prepared Analyzed Dil Fac-

70 - 130

 Analyte
 Result
 Qualifier
 RL
 MDL
 Unit
 D
 Prepared
 Analyzed
 Dil Fac

 Chloride
 138
 5.03
 0.397
 mg/Kg
 02/05/24 17:39
 1

Client Sample ID: SB-5-S-4'-240201

Date Collected: 02/01/24 13:30

Lab Sample ID: 880-38876-5

Matrix: Solid

Date Received: 02/05/24 08:42

1-Chlorooctane

 Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

 Analyte
 Result
 Qualifier
 RL
 MDL
 Unit
 D
 Prepared
 Analyzed
 Dil Fac

 Chloride
 358
 4.97
 0.393
 mg/Kg
 02/05/24 17:46
 1

Client Sample ID: SB-6-S-1'-240201 Lab Sample ID: 880-38876-6

Date Collected: 02/01/24 13:50 Date Received: 02/05/24 08:42

 Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

 Analyte
 Result
 Qualifier
 RL
 MDL
 Unit
 D
 Prepared
 Analyzed
 Dil Fac

 Chloride
 105
 4.98
 0.393
 mg/Kg
 02/05/24 17:52
 1

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Matrix: Solid

Job ID: 880-38876-1 SDG: Lovington, NM

Client: ARCADIS US Inc Project/Site: LPU 45

Client Sample ID: SB-6-S-2'-240201

Date Collected: 02/01/24 14:00 Date Received: 02/05/24 08:42

Lab Sample ID: 880-38876-7

Matrix: Solid

	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000384	U	0.00200	0.000384	mg/Kg		02/13/24 14:44	02/14/24 23:58	1
Toluene	< 0.000455	U	0.00200	0.000455	mg/Kg		02/13/24 14:44	02/14/24 23:58	1
Ethylbenzene	< 0.000564	U	0.00200	0.000564	mg/Kg		02/13/24 14:44	02/14/24 23:58	1
m-Xylene & p-Xylene	<0.00101	U	0.00399	0.00101	mg/Kg		02/13/24 14:44	02/14/24 23:58	1
o-Xylene	< 0.000343	U	0.00200	0.000343	mg/Kg		02/13/24 14:44	02/14/24 23:58	1
Xylenes, Total	<0.00101	U	0.00399	0.00101	mg/Kg		02/13/24 14:44	02/14/24 23:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	72		70 - 130				02/13/24 14:44	02/14/24 23:58	1
1,4-Difluorobenzene (Surr)	99		70 - 130				02/13/24 14:44	02/14/24 23:58	1
Method: TAL SOP Total BTEX - To	tal BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00101	U	0.00399	0.00101	mg/Kg			02/14/24 23:58	1
Method: SW846 8015 NM - Diesel	Range Organ	ics (DRO) (GC)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.1	U	50.3	15.1	mg/Kg			02/10/24 22:09	1
			00.0						
- -									
: Method: SW846 8015B NM - Diese	el Range Orga	nics (DRO)							
Method: SW846 8015B NM - Diese Analyte		nics (DRO) Qualifier			Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
Analyte Gasoline Range Organics		Qualifier	(GC)		Unit mg/Kg	<u>D</u>	Prepared 02/06/24 10:41	Analyzed 02/10/24 22:09	Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10	Result	Qualifier U	(GC)	MDL 15.1	mg/Kg	<u>D</u>			1
Analyte Gasoline Range Organics (GRO)-C6-C10		Qualifier U	(GC) RL 50.3	MDL 15.1		<u>D</u>	02/06/24 10:41	02/10/24 22:09	
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over		Qualifier U	(GC) RL 50.3	MDL 15.1 15.1	mg/Kg	<u>D</u>	02/06/24 10:41	02/10/24 22:09	1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <15.1 <15.1	Qualifier U	(GC) RL 50.3	MDL 15.1 15.1	mg/Kg	<u>D</u>	02/06/24 10:41	02/10/24 22:09	1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result <15.1 <15.1 <15.1 <15.1	Qualifier U U U	(GC) RL 50.3 50.3	MDL 15.1 15.1	mg/Kg	<u> </u>	02/06/24 10:41 02/06/24 10:41 02/06/24 10:41	02/10/24 22:09 02/10/24 22:09 02/10/24 22:09	1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate	Result <15.1 <15.1 <15.1 <15.1 %Recovery	Qualifier U U U	(GC) RL 50.3 50.3 Limits	MDL 15.1 15.1	mg/Kg	<u> </u>	02/06/24 10:41 02/06/24 10:41 02/06/24 10:41 Prepared	02/10/24 22:09 02/10/24 22:09 02/10/24 22:09 Analyzed	1 1 1 1 Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	Result <15.1 <15.1 <15.1 <15.1	Qualifier U U Qualifier	(GC) RL 50.3 50.3 50.3 Limits 70 - 130 70 - 130	MDL 15.1 15.1	mg/Kg	<u>D</u>	02/06/24 10:41 02/06/24 10:41 02/06/24 10:41 Prepared 02/06/24 10:41	02/10/24 22:09 02/10/24 22:09 02/10/24 22:09 Analyzed 02/10/24 22:09	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
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 <15.1 <15.1 <15.1 <15.1	Qualifier U U Qualifier	(GC) RL 50.3 50.3 50.3 Limits 70 - 130 70 - 130	MDL 15.1 15.1 15.1	mg/Kg	<u>D</u>	02/06/24 10:41 02/06/24 10:41 02/06/24 10:41 Prepared 02/06/24 10:41	02/10/24 22:09 02/10/24 22:09 02/10/24 22:09 Analyzed 02/10/24 22:09	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Chloride	839		5.02	0.397	mg/Kg			02/05/24 18:20	1

Client Sample ID: SB-7-S-1'-240201

Date Collected: 02/01/24 14:30

Date Received: 02/05/24 08:42

Date Received: 02/05/24 08:42

Method: EPA 300.0 - Anions, Ion C	inromatograp	•		
Analyte	Result	Qualifier	RL	
Chloride	514		4.99	

MDL Unit Prepared Analyzed Dil Fac 0.394 mg/Kg 02/05/24 18:26

Eurofins Midland

Matrix: Solid

Lab Sample ID: 880-38876-9

Job ID: 880-38876-1

Client: ARCADIS US Inc Project/Site: LPU 45

SDG: Lovington, NM

Lab Sample ID: 880-38876-10 Client Sample ID: SB-7-S-2'-240201

Date Collected: 02/01/24 14:40 Date Received: 02/05/24 08:42

-	- up.o	 	••••	_		
		M	atrix:	So	lid	

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000387	U	0.00201	0.000387	mg/Kg		02/13/24 14:44	02/15/24 00:18	1
Toluene	0.000500	J	0.00201	0.000459	mg/Kg		02/13/24 14:44	02/15/24 00:18	1
Ethylbenzene	<0.000568	U	0.00201	0.000568	mg/Kg		02/13/24 14:44	02/15/24 00:18	1
m-Xylene & p-Xylene	<0.00102	U	0.00402	0.00102	mg/Kg		02/13/24 14:44	02/15/24 00:18	
o-Xylene	<0.000346	U	0.00201	0.000346	mg/Kg		02/13/24 14:44	02/15/24 00:18	1
Xylenes, Total	<0.00102	U	0.00402	0.00102	mg/Kg		02/13/24 14:44	02/15/24 00:18	,
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	80		70 - 130				02/13/24 14:44	02/15/24 00:18	
1,4-Difluorobenzene (Surr)	72		70 - 130				02/13/24 14:44	02/15/24 00:18	1
Method: TAL SOP Total BTEX -	Total BTEX Cald	culation	70 - 700				0270277777	02.02700.70	
Analyte	Result	Qualifier	RL	MDL 0.00102		<u>D</u>	Prepared	Analyzed	Dil Fac
Analyte Total BTEX	Result <0.00102	Qualifier U	RL 0.00402	MDL 0.00102		<u>D</u>			Dil Fac
Analyte Total BTEX Method: SW846 8015 NM - Dies	Result <0.00102 el Range Organ	Qualifier U	RL 0.00402		mg/Kg	<u>D</u>		Analyzed	1
Analyte Total BTEX Method: SW846 8015 NM - Dies Analyte	Result <0.00102 el Range Organ	Qualifier U	RL 0.00402	0.00102	mg/Kg		Prepared	Analyzed 02/15/24 00:18	Dil Fac
Analyte Total BTEX Method: SW846 8015 NM - Dies Analyte Total TPH	Result <0.00102 el Range Organ Result 116	Qualifier U ics (DRO) (Qualifier	RL 0.00402 GC) RL 50.1	0.00102 MDL	mg/Kg		Prepared	Analyzed 02/15/24 00:18 Analyzed	Dil Fac
Analyte Total BTEX Method: SW846 8015 NM - Dies Analyte Total TPH Method: SW846 8015B NM - Die	Result <0.00102 el Range Organ Result 116 sel Range Orga	Qualifier U ics (DRO) (Qualifier	RL 0.00402 GC) RL 50.1	0.00102 MDL	mg/Kg Unit mg/Kg		Prepared	Analyzed 02/15/24 00:18 Analyzed	Dil Fac
Analyte Total BTEX Method: SW846 8015 NM - Dies Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics	Result <0.00102 el Range Organ Result 116 sel Range Orga	Qualifier U ics (DRO) (Qualifier nics (DRO) Qualifier	RL 0.00402 GC) RL 50.1	0.00102 MDL 15.0	mg/Kg Unit mg/Kg		Prepared Prepared	Analyzed 02/15/24 00:18 Analyzed 02/11/24 02:47	Dil Fac
Method: TAL SOP Total BTEX - Analyte Total BTEX Method: SW846 8015 NM - Dies Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	el Range Organ Result 116 sel Range Orga Result	Qualifier U ics (DRO) (Qualifier nics (DRO) Qualifier	RL 0.00402 GC) RL 50.1	0.00102 MDL 15.0 MDL 15.0	mg/Kg Unit mg/Kg Unit		Prepared Prepared	Analyzed 02/15/24 00:18 Analyzed 02/11/24 02:47 Analyzed	Dil Fac

1-Chlorooctane	125		70 130		02/06/24 10:41	02/11/24 02:47	
Surrogate	%Recovery (Qualifier	Limits		Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<15.0 l	J	50.1	15.0 mg/Kg	02/06/24 10:41	02/11/24 02:47	1
Diesel Range Organics (Over	116		50.1	15.0 mg/Kg	02/06/24 10:41	02/11/24 02:47	1

Method: EPA 300.0 - Anions, Ion Chroma	atography - So	luble			
o-Terphenyl	102	70 - 130	02/06/24 10:41	02/11/24 02:47	1
1-Chioroctane	125	70 - 130	02/00/24 10.41	02/11/24 02.47	,

method. Et A 000.0 - Amono, for omenatography - colubic								
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	599	5.00	0.395 mg/Kg			02/05/24 18:33	1	

Client Sample ID: SB-7-S-4'-240201 Lab Sample ID: 880-38876-11 Date Collected: 02/01/24 14:50 **Matrix: Solid**

Date Received: 02/05/24 08:42

Method: EPA 300.0 - Anions, Ion Ch									
Analyte Result Qualifier				MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	454		5.04	0.398	mg/Kg			02/05/24 18:40	1

Client Sample ID: SB-8-S-1'-240201 Lab Sample ID: 880-38876-12 Date Collected: 02/01/24 15:20

Date Received: 02/05/24 08:42

Method: EPA 300.0 - Anions, Ion C	hromatography - Soluble						
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	50.5	5.03	0.397 mg/Kg			02/05/24 18:47	1

Eurofins Midland

Matrix: Solid

Client Sample Results

Client: ARCADIS US Inc
Project/Site: LPU 45
Job ID: 880-38876-1
SDG: Lovington, NM

Client Sample ID: SB-8-S-1.5'-240201

Date Collected: 02/01/24 15:30 Date Received: 02/05/24 08:42 Lab Sample ID: 880-38876-13

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000386	U	0.00200	0.000386	mg/Kg		02/13/24 14:44	02/15/24 00:39	
Toluene	0.000534	J	0.00200	0.000457	mg/Kg		02/13/24 14:44	02/15/24 00:39	
Ethylbenzene	<0.000566	U	0.00200	0.000566	mg/Kg		02/13/24 14:44	02/15/24 00:39	
m-Xylene & p-Xylene	<0.00101	U	0.00401	0.00101	mg/Kg		02/13/24 14:44	02/15/24 00:39	
o-Xylene	< 0.000345	U	0.00200	0.000345	mg/Kg		02/13/24 14:44	02/15/24 00:39	
Xylenes, Total	<0.00101	U	0.00401	0.00101	mg/Kg		02/13/24 14:44	02/15/24 00:39	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	75		70 - 130				02/13/24 14:44	02/15/24 00:39	
1,4-Difluorobenzene (Surr)	71		70 - 130				02/13/24 14:44	02/15/24 00:39	1
Method: TAL SOP Total BTEX - T	otal BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00101	U	0.00401	0.00101	mg/Kg			02/15/24 00:39	,
Method: SW846 8015 NM - Diese									
Analyte		Qualifier	RL		Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
Total TPH	15.1	J	50.4	15.1	mg/Kg			02/10/24 22:31	1
Method: SW846 8015B NM - Dies	sel Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	15.1	J	50.4	15.1	mg/Kg		02/06/24 10:41	02/10/24 22:31	1
Diesel Range Organics (Over C10-C28)	<15.1	U	50.4	15.1	mg/Kg		02/06/24 10:41	02/10/24 22:31	,
Oll Range Organics (Over C28-C36)	<15.1	U	50.4	15.1	mg/Kg		02/06/24 10:41	02/10/24 22:31	,
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1-Chlorooctane	108		70 - 130				02/06/24 10:41	02/10/24 22:31	
o-Terphenyl	92		70 - 130				02/06/24 10:41	02/10/24 22:31	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy - Solubl	e						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride			5.02		mg/Kg			02/05/24 18:53	1

Surrogate Summary

Client: ARCADIS US Inc
Project/Site: LPU 45
Job ID: 880-38876-1
SDG: Lovington, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recov
		BFB1	DFBZ1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-38876-2	SB-4-S-2'-240201	81	71	
880-38876-4	SB-5-S-2'-240201	82	90	
880-38876-7	SB-6-S-2'-240201	72	99	
880-38876-10	SB-7-S-2'-240201	80	72	
880-38876-13	SB-8-S-1.5'-240201	75	71	
LCS 880-73066/1-A	Lab Control Sample	105	112	
LCSD 880-73066/2-A	Lab Control Sample Dup	114	121	
MB 880-73066/5-A	Method Blank	70	77	

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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)	
880-38876-2	SB-4-S-2'-240201	93	79	
880-38876-4	SB-5-S-2'-240201	126	108	
880-38876-7	SB-6-S-2'-240201	98	86	
880-38876-10	SB-7-S-2'-240201	125	102	
880-38876-13	SB-8-S-1.5'-240201	108	92	
LCS 880-72465/2-A	Lab Control Sample	106	103	
LCSD 880-72465/3-A	Lab Control Sample Dup	105	105	
MB 880-72465/1-A	Method Blank	156 S1+	129	

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

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QC Sample Results

Client: ARCADIS US Inc Job ID: 880-38876-1 Project/Site: LPU 45 SDG: Lovington, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-73066/5-A

Matrix: Solid Analysis Batch: 73181 Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 73066

	MB	МВ							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000385	U	0.00200	0.000385	mg/Kg		02/13/24 14:44	02/14/24 18:30	
Toluene	<0.000456	U	0.00200	0.000456	mg/Kg		02/13/24 14:44	02/14/24 18:30	
Ethylbenzene	<0.000565	U	0.00200	0.000565	mg/Kg		02/13/24 14:44	02/14/24 18:30	
m-Xylene & p-Xylene	<0.00101	U	0.00400	0.00101	mg/Kg		02/13/24 14:44	02/14/24 18:30	
o-Xylene	<0.000344	U	0.00200	0.000344	mg/Kg		02/13/24 14:44	02/14/24 18:30	
Xylenes, Total	<0.00101	U	0.00400	0.00101	mg/Kg		02/13/24 14:44	02/14/24 18:30	

MB MB

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	70	70 - 130	02/13/24 14:44	02/14/24 18:30	1
1,4-Difluorobenzene (Surr)	77	70 - 130	02/13/24 14:44	02/14/24 18:30	1

Lab Sample ID: LCS 880-73066/1-A

Matrix: Solid

Analysis Batch: 73181

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 73066

	Бріке	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.09860		mg/Kg		99	70 - 130	
Toluene	0.100	0.09998		mg/Kg		100	70 - 130	
Ethylbenzene	0.100	0.1107		mg/Kg		111	70 - 130	
m-Xylene & p-Xylene	0.200	0.2212		mg/Kg		111	70 - 130	
o-Xylene	0.100	0.1063		mg/Kg		106	70 - 130	

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	112		70 - 130

Lab Sample ID: LCSD 880-73066/2-A

Matrix: Solid

Analysis Batch: 73181

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 73066

	Spike	LCSD	LCSD				%Rec		RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Benzene	0.100	0.09341		mg/Kg		93	70 - 130	5	35	
Toluene	0.100	0.08911		mg/Kg		89	70 - 130	11	35	
Ethylbenzene	0.100	0.1012		mg/Kg		101	70 - 130	9	35	
m-Xylene & p-Xylene	0.200	0.2064		mg/Kg		103	70 - 130	7	35	
o-Xylene	0.100	0.09953		mg/Kg		100	70 - 130	7	35	

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	114		70 - 130
1,4-Difluorobenzene (Surr)	121		70 - 130

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QC Sample Results

Client: ARCADIS US Inc Job ID: 880-38876-1 Project/Site: LPU 45 SDG: Lovington, NM

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

MD MD

129

Lab Sample ID: MB 880-72465/1-A

Matrix: Solid

Analysis Batch: 72794

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 72465

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<15.0	U	50.0	15.0	mg/Kg		02/06/24 10:41	02/10/24 18:47	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<15.0	U	50.0	15.0	mg/Kg		02/06/24 10:41	02/10/24 18:47	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		02/06/24 10:41	02/10/24 18:47	1
	МВ	МВ							
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	156	S1+	70 - 130				02/06/24 10:41	02/10/24 18:47	1

70 - 130

Lab Sample ID: LCS 880-72465/2-A

Matrix: Solid

o-Terphenyl

Analysis Batch: 72794

Client Sample ID: Lab Control Sample

02/10/24 18:47

02/06/24 10:41

Prep Type: Total/NA

Prep Batch: 72465

LCS LCS Spike Analyte Added Result Qualifier Unit D %Rec Limits 1000 952.7 95 70 - 130 Gasoline Range Organics mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over 1000 978.5 mg/Kg 98 70 - 130C10-C28)

LCS LCS %Recovery Qualifier Limits Surrogate 1-Chlorooctane 106 70 - 130 o-Terphenyl 103 70 - 130

Lab Sample ID: LCSD 880-72465/3-A

Matrix: Solid

Analysis Batch: 72794

Client Sample ID: Lab Contr	ol Sample Dup
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Prep Type: Total/NA

Prep Batch: 72465

LCSD LCSD Spike %Rec RPD Added Result Qualifier RPD Limit Analyte Unit %Rec Limits Gasoline Range Organics 1000 951.9 mg/Kg 95 70 - 130 20 (GRO)-C6-C10 Diesel Range Organics (Over 1000 962.2 mg/Kg 96 70 - 130 2 20 C10-C28)

LCSD LCSD Qualifier Limits %Recovery Surrogate 70 - 130 1-Chlorooctane 105 105 70 - 130 o-Terphenyl

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-72356/1-A

Matrix: Solid

Analysis Batch: 72369

Client Sample ID: Method Blank

Prep Type: Soluble

мв мв Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac Chloride <0.395 U 5.00 02/05/24 19:29 0.395 mg/Kg

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Job ID: 880-38876-1 Client: ARCADIS US Inc Project/Site: LPU 45 SDG: Lovington, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-72356/2-A **Client Sample ID: Lab Control Sample Matrix: Solid Prep Type: Soluble**

Analysis Batch: 72369

		Spike	LCS	LCS				%Rec	
Analyte	A	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride		250	237.5		mg/Kg		95	90 - 110	

Lab Sample ID: LCSD 880-72356/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 72369

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	250	239.6		mg/Kg		96	90 - 110	1	20

Lab Sample ID: MB 880-72357/1-A Client Sample ID: Method Blank **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 72395

мв мв

Analyte	Result Qua	lifier RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.395 U	5.00	0.395	mg/Kg			02/05/24 16:58	1

Lab Sample ID: LCS 880-72357/2-A **Client Sample ID: Lab Control Sample Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 72395

		Spike	LCS	LCS				%Rec	
Analyte		Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride		250	246.6		mg/Kg		99	90 - 110	

Lab Sample ID: LCSD 880-72357/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 72395

	Spike	LCSD	LUSD				/ortec		KFD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Chloride	250	246.4		mg/Kg		99	90 - 110	0	20	

Lab Sample ID: 880-38876-3 MS Client Sample ID: SB-5-S-1'-240201 **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 72395

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	69.2		253	307.9		mg/Kg		95	90 - 110	

Lab Sample ID: 880-38876-3 MSD Client Sample ID: SB-5-S-1'-240201

Matrix: Solid

Analysis Batch: 72395

,	Sample	Sample	Spike	MSD	MSD				%Rec		RPD	
	•	•					_					
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Chloride	69.2		253	304.7		mg/Kg		93	90 - 110	1	20	

Lab Sample ID: 880-38876-13 MS Client Sample ID: SB-8-S-1.5'-240201

Matrix: Solid

Analysis Batch: 72395

7 many old Battorn 12000										
	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	63.3		251	297.6		mg/Kg		93	90 - 110	

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Prep Type: Soluble

Prep Type: Soluble

Prep Type: Soluble

QC Sample Results

Client: ARCADIS US Inc

Job ID: 880-38876-1

Project/Site: LPU 45

SDG: Lovington, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-38876-13 MSD Client Sample ID: SB-8-S-1.5'-240201

Matrix: Solid

Analysis Batch: 72395

•	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	63.3		251	297.6		mg/Kg		93	90 - 110	0	20

1

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10

12

13

112

QC Association Summary

Client: ARCADIS US Inc
Project/Site: LPU 45
Job ID: 880-38876-1
SDG: Lovington, NM

GC VOA

Prep Batch: 73066

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-38876-2	SB-4-S-2'-240201	Total/NA	Solid	5030B	
880-38876-4	SB-5-S-2'-240201	Total/NA	Solid	5030B	
880-38876-7	SB-6-S-2'-240201	Total/NA	Solid	5030B	
880-38876-10	SB-7-S-2'-240201	Total/NA	Solid	5030B	
880-38876-13	SB-8-S-1.5'-240201	Total/NA	Solid	5030B	
MB 880-73066/5-A	Method Blank	Total/NA	Solid	5030B	
LCS 880-73066/1-A	Lab Control Sample	Total/NA	Solid	5030B	
LCSD 880-73066/2-A	Lab Control Sample Dup	Total/NA	Solid	5030B	

Analysis Batch: 73181

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-38876-2	SB-4-S-2'-240201	Total/NA	Solid	8021B	73066
880-38876-4	SB-5-S-2'-240201	Total/NA	Solid	8021B	73066
880-38876-7	SB-6-S-2'-240201	Total/NA	Solid	8021B	73066
880-38876-10	SB-7-S-2'-240201	Total/NA	Solid	8021B	73066
880-38876-13	SB-8-S-1.5'-240201	Total/NA	Solid	8021B	73066
MB 880-73066/5-A	Method Blank	Total/NA	Solid	8021B	73066
LCS 880-73066/1-A	Lab Control Sample	Total/NA	Solid	8021B	73066
LCSD 880-73066/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	73066

Analysis Batch: 73268

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batcl
880-38876-2	SB-4-S-2'-240201	Total/NA	Solid	Total BTEX	
880-38876-4	SB-5-S-2'-240201	Total/NA	Solid	Total BTEX	
880-38876-7	SB-6-S-2'-240201	Total/NA	Solid	Total BTEX	
880-38876-10	SB-7-S-2'-240201	Total/NA	Solid	Total BTEX	
880-38876-13	SB-8-S-1.5'-240201	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 72465

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-38876-2	SB-4-S-2'-240201	Total/NA	Solid	8015NM Prep	
880-38876-4	SB-5-S-2'-240201	Total/NA	Solid	8015NM Prep	
880-38876-7	SB-6-S-2'-240201	Total/NA	Solid	8015NM Prep	
880-38876-10	SB-7-S-2'-240201	Total/NA	Solid	8015NM Prep	
880-38876-13	SB-8-S-1.5'-240201	Total/NA	Solid	8015NM Prep	
MB 880-72465/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-72465/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-72465/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 72794

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-38876-2	SB-4-S-2'-240201	Total/NA	Solid	8015B NM	72465
880-38876-4	SB-5-S-2'-240201	Total/NA	Solid	8015B NM	72465
880-38876-7	SB-6-S-2'-240201	Total/NA	Solid	8015B NM	72465
880-38876-10	SB-7-S-2'-240201	Total/NA	Solid	8015B NM	72465
880-38876-13	SB-8-S-1.5'-240201	Total/NA	Solid	8015B NM	72465
MB 880-72465/1-A	Method Blank	Total/NA	Solid	8015B NM	72465
LCS 880-72465/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	72465
LCSD 880-72465/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	72465

Eurofins Midland

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QC Association Summary

Client: ARCADIS US Inc

Job ID: 880-38876-1

Project/Site: LPU 45

SDG: Lovington, NM

GC Semi VOA

Analysis Batch: 72961

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-38876-2	SB-4-S-2'-240201	Total/NA	Solid	8015 NM	
880-38876-4	SB-5-S-2'-240201	Total/NA	Solid	8015 NM	
880-38876-7	SB-6-S-2'-240201	Total/NA	Solid	8015 NM	
880-38876-10	SB-7-S-2'-240201	Total/NA	Solid	8015 NM	
880-38876-13	SB-8-S-1.5'-240201	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 72356

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-38876-1	SB-4-S-1'-240201	Soluble	Solid	DI Leach	
880-38876-2	SB-4-S-2'-240201	Soluble	Solid	DI Leach	
MB 880-72356/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-72356/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-72356/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Leach Batch: 72357

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-38876-3	SB-5-S-1'-240201	Soluble	Solid	DI Leach	
880-38876-4	SB-5-S-2'-240201	Soluble	Solid	DI Leach	
880-38876-5	SB-5-S-4'-240201	Soluble	Solid	DI Leach	
880-38876-6	SB-6-S-1'-240201	Soluble	Solid	DI Leach	
880-38876-7	SB-6-S-2'-240201	Soluble	Solid	DI Leach	
880-38876-8	SB-6-S-4'-240201	Soluble	Solid	DI Leach	
880-38876-9	SB-7-S-1'-240201	Soluble	Solid	DI Leach	
880-38876-10	SB-7-S-2'-240201	Soluble	Solid	DI Leach	
880-38876-11	SB-7-S-4'-240201	Soluble	Solid	DI Leach	
880-38876-12	SB-8-S-1'-240201	Soluble	Solid	DI Leach	
880-38876-13	SB-8-S-1.5'-240201	Soluble	Solid	DI Leach	
MB 880-72357/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-72357/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-72357/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-38876-3 MS	SB-5-S-1'-240201	Soluble	Solid	DI Leach	
880-38876-3 MSD	SB-5-S-1'-240201	Soluble	Solid	DI Leach	
880-38876-13 MS	SB-8-S-1.5'-240201	Soluble	Solid	DI Leach	
880-38876-13 MSD	SB-8-S-1.5'-240201	Soluble	Solid	DI Leach	

Analysis Batch: 72369

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-38876-1	SB-4-S-1'-240201	Soluble	Solid	300.0	72356
880-38876-2	SB-4-S-2'-240201	Soluble	Solid	300.0	72356
MB 880-72356/1-A	Method Blank	Soluble	Solid	300.0	72356
LCS 880-72356/2-A	Lab Control Sample	Soluble	Solid	300.0	72356
LCSD 880-72356/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	72356

Analysis Batch: 72395

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-38876-3	SB-5-S-1'-240201	Soluble	Solid	300.0	72357
880-38876-4	SB-5-S-2'-240201	Soluble	Solid	300.0	72357
880-38876-5	SB-5-S-4'-240201	Soluble	Solid	300.0	72357
880-38876-6	SB-6-S-1'-240201	Soluble	Solid	300.0	72357

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QC Association Summary

Client: ARCADIS US Inc
Project/Site: LPU 45
Job ID: 880-38876-1
SDG: Lovington, NM

HPLC/IC (Continued)

Analysis Batch: 72395 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-38876-7	SB-6-S-2'-240201	Soluble	Solid	300.0	72357
880-38876-8	SB-6-S-4'-240201	Soluble	Solid	300.0	72357
880-38876-9	SB-7-S-1'-240201	Soluble	Solid	300.0	72357
880-38876-10	SB-7-S-2'-240201	Soluble	Solid	300.0	72357
880-38876-11	SB-7-S-4'-240201	Soluble	Solid	300.0	72357
880-38876-12	SB-8-S-1'-240201	Soluble	Solid	300.0	72357
880-38876-13	SB-8-S-1.5'-240201	Soluble	Solid	300.0	72357
MB 880-72357/1-A	Method Blank	Soluble	Solid	300.0	72357
LCS 880-72357/2-A	Lab Control Sample	Soluble	Solid	300.0	72357
LCSD 880-72357/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	72357
880-38876-3 MS	SB-5-S-1'-240201	Soluble	Solid	300.0	72357
880-38876-3 MSD	SB-5-S-1'-240201	Soluble	Solid	300.0	72357
880-38876-13 MS	SB-8-S-1.5'-240201	Soluble	Solid	300.0	72357
880-38876-13 MSD	SB-8-S-1 5'-240201	Soluble	Solid	300.0	72357

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Client: ARCADIS US Inc Project/Site: LPU 45

Client Sample ID: SB-4-S-1'-240201

Client Sample ID: SB-4-S-2'-240201

Lab Sample ID: 880-38876-1

Matrix: Solid

Date Collected: 02/01/24 12:40 Date Received: 02/05/24 08:42

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.04 g	50 mL	72356	02/05/24 10:33	SMC	EET MID
Soluble	Analysis	300.0		1			72369	02/05/24 21:52	CH	EET MID

Lab Sample ID: 880-38876-2

Matrix: Solid

Date Collected: 02/01/24 12:50 Date Received: 02/05/24 08:42

Batch Batch Dil Initial Final Batch Prepared Method **Prep Type** Туре Run Factor Amount Amount Number or Analyzed Analyst Lab Total/NA 5030B 73066 MNR Prep 5.02 g 5 mL 02/13/24 14:44 **EET MID** Total/NA 8021B 5 mL 5 mL 73181 02/14/24 23:17 MNR **EET MID** Analysis 1 Total/NA Total BTEX 73268 02/14/24 23:17 Analysis SM **EET MID** 1 Total/NA Analysis 8015 NM 72961 02/10/24 21:24 SM **EET MID** Total/NA 72465 02/06/24 10:41 TKC EET MID Prep 8015NM Prep 10.06 g 10 mL 8015B NM 72794 02/10/24 21:24 **EET MID** Total/NA Analysis 1 uL 1 uL SM Soluble DI Leach 5.05 g 50 mL 72356 02/05/24 10:33 SMC **EET MID** Leach 72369 Analysis 300.0 02/05/24 21:57 СН **EET MID** Soluble 1

Client Sample ID: SB-5-S-1'-240201 Lab Sample ID: 880-38876-3

Date Collected: 02/01/24 13:10

Date Received: 02/05/24 08:42

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.95 g	50 mL	72357	02/05/24 10:39	SMC	EET MID
Soluble	Analysis	300.0		1			72395	02/05/24 17:18	CH	EET MID

Client Sample ID: SB-5-S-2'-240201

Date Collected: 02/01/24 13:20

Date Received: 02/05/24 08:42

Lab Sample ID: 880-38876-4

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.03 g	5 mL	73066	02/13/24 14:44	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73181	02/14/24 23:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			73268	02/14/24 23:38	SM	EET MID
Total/NA	Analysis	8015 NM		1			72961	02/10/24 21:47	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	72465	02/06/24 10:41	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	72794	02/10/24 21:47	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	72357	02/05/24 10:39	SMC	EET MID
Soluble	Analysis	300.0		1			72395	02/05/24 17:39	CH	EET MID

Client: ARCADIS US Inc Project/Site: LPU 45

Client Sample ID: SB-5-S-4'-240201

Lab Sample ID: 880-38876-5 Matrix: Solid

Job ID: 880-38876-1

SDG: Lovington, NM

Date Collected: 02/01/24 13:30 Date Received: 02/05/24 08:42

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	72357	02/05/24 10:39	SMC	EET MID
Soluble	Analysis	300.0		1			72395	02/05/24 17:46	CH	EET MID

Client Sample ID: SB-6-S-1'-240201 Lab Sample ID: 880-38876-6

Date Collected: 02/01/24 13:50 **Matrix: Solid**

Date Received: 02/05/24 08:42

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.02 g	50 mL	72357	02/05/24 10:39	SMC	EET MID
Soluble	Analysis	300.0		1			72395	02/05/24 17:52	CH	EET MID

Lab Sample ID: 880-38876-7 Client Sample ID: SB-6-S-2'-240201

Date Collected: 02/01/24 14:00 **Matrix: Solid**

Date Received: 02/05/24 08:42

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.01 g	5 mL	73066	02/13/24 14:44	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73181	02/14/24 23:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			73268	02/14/24 23:58	SM	EET MID
Total/NA	Analysis	8015 NM		1			72961	02/10/24 22:09	SM	EET MID
Total/NA	Prep	8015NM Prep			9.95 g	10 mL	72465	02/06/24 10:41	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	72794	02/10/24 22:09	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	72357	02/05/24 10:39	SMC	EET MID
Soluble	Analysis	300.0		1			72395	02/05/24 17:59	CH	EET MID

Client Sample ID: SB-6-S-4'-240201 Lab Sample ID: 880-38876-8

Date Collected: 02/01/24 14:10

Date Received: 02/05/24 08:42

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.98 g	50 mL	72357	02/05/24 10:39	SMC	EET MID
Soluble	Analysis	300.0		1			72395	02/05/24 18:20	CH	EET MID

Lab Sample ID: 880-38876-9 Client Sample ID: SB-7-S-1'-240201

Date Collected: 02/01/24 14:30 Date Received: 02/05/24 08:42

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	50 mL	72357	02/05/24 10:39	SMC	EET MID
Soluble	Analysis	300.0		1			72395	02/05/24 18:26	CH	EET MID

Eurofins Midland

Matrix: Solid

Matrix: Solid

Client Sample ID: SB-7-S-2'-240201

Date Collected: 02/01/24 14:40 Date Received: 02/05/24 08:42 Lab Sample ID: 880-38876-10 Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			4.97 g	5 mL	73066	02/13/24 14:44	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73181	02/15/24 00:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			73268	02/15/24 00:18	SM	EET MID
Total/NA	Analysis	8015 NM		1			72961	02/11/24 02:47	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	72465	02/06/24 10:41	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	72794	02/11/24 02:47	SM	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	72357	02/05/24 10:39	SMC	EET MID
Soluble	Analysis	300.0		1			72395	02/05/24 18:33	CH	EET MID

Client Sample ID: SB-7-S-4'-240201 Lab Sample ID: 880-38876-11

Date Collected: 02/01/24 14:50 Date Received: 02/05/24 08:42

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 g	50 mL	72357	02/05/24 10:39	SMC	EET MID
Soluble	Analysis	300.0		1			72395	02/05/24 18:40	CH	EET MID

Client Sample ID: SB-8-S-1'-240201 Lab Sample ID: 880-38876-12

Date Collected: 02/01/24 15:20

Date Received: 02/05/24 08:42

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	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.97 g	50 mL	72357	02/05/24 10:39	SMC	EET MID
Soluble	Analysis	300.0		1			72395	02/05/24 18:47	CH	EET MID

Client Sample ID: SB-8-S-1.5'-240201 Lab Sample ID: 880-38876-13

Date Collected: 02/01/24 15:30

Date Received: 02/05/24 08:42

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			4.99 g	5 mL	73066	02/13/24 14:44	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73181	02/15/24 00:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			73268	02/15/24 00:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			72961	02/10/24 22:31	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	72465	02/06/24 10:41	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	72794	02/10/24 22:31	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	72357	02/05/24 10:39	SMC	EET MID
Soluble	Analysis	300.0		1			72395	02/05/24 18:53	CH	EET MID

Laboratory References:

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

Matrix: Solid

Matrix: Solid

Eurofins Midland

Accreditation/Certification Summary

Client: ARCADIS US Inc
Project/Site: LPU 45
Job ID: 880-38876-1
SDG: Lovington, NM

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
Texas	NELA	Р	T104704400-23-26	06-30-24
• •	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		Solid	Total TPH	
Total BTEX		Solid	Total BTEX	

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Method Summary

Client: ARCADIS US Inc Job ID: 880-38876-1 Project/Site: LPU 45

SDG: Lovington, NM

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	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
5030B	Purge and Trap	SW846	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

Eurofins Midland

Sample Summary

Client: ARCADIS US Inc Project/Site: LPU 45 Job ID: 880-38876-1 SDG: Lovington, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-38876-1	SB-4-S-1'-240201	Solid	02/01/24 12:40	02/05/24 08:42
880-38876-2	SB-4-S-2'-240201	Solid	02/01/24 12:50	02/05/24 08:42
880-38876-3	SB-5-S-1'-240201	Solid	02/01/24 13:10	02/05/24 08:42
880-38876-4	SB-5-S-2'-240201	Solid	02/01/24 13:20	02/05/24 08:42
880-38876-5	SB-5-S-4'-240201	Solid	02/01/24 13:30	02/05/24 08:42
880-38876-6	SB-6-S-1'-240201	Solid	02/01/24 13:50	02/05/24 08:42
880-38876-7	SB-6-S-2'-240201	Solid	02/01/24 14:00	02/05/24 08:42
880-38876-8	SB-6-S-4'-240201	Solid	02/01/24 14:10	02/05/24 08:42
880-38876-9	SB-7-S-1'-240201	Solid	02/01/24 14:30	02/05/24 08:42
880-38876-10	SB-7-S-2'-240201	Solid	02/01/24 14:40	02/05/24 08:42
880-38876-11	SB-7-S-4'-240201	Solid	02/01/24 14:50	02/05/24 08:42
880-38876-12	SB-8-S-1'-240201	Solid	02/01/24 15:20	02/05/24 08:42
880-38876-13	SB-8-S-1.5'-240201	Solid	02/01/24 15:30	02/05/24 08:42

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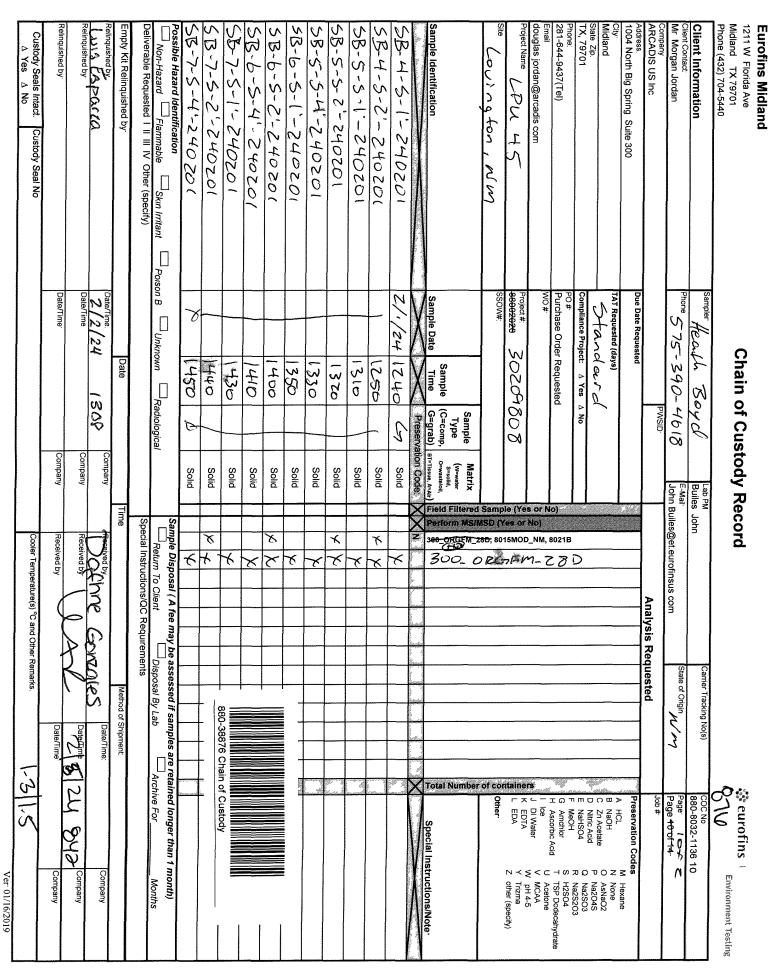
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Eurofins Midland 1211 W Florida Ave Midland TX 79701	Chain o	Chain of Custody Record	Record	o∜:	eurofins Color Environment Testing
Client Information	Sampler Heath	Boyd Bu	Lab PM Builes, John	g No(s)	COC No: 880-8032-1136 10
Client Contact: — — Mr Morgan Jordan	Phone 575-390	-4618	E-Mail John Builes@et.eurofinsus.com	State of Origin MM P	
Company ARCADIS US Inc		PWSID	alysis	Requested	
Address. 1004 North Big Spring Suite 300	Due Date Requested	WEDGE THE THE THE THE THE THE THE THE THE TH			
City Midland	`				0 Z :
State Zip TX, 79701	Project A Yes	∆ No)		
Phone 281-644-9437(Tel)	PO# Purchase Order Requested		0218		Amchlor S
Email douglas jordan@arcadis com	WO#		40) _NM, 8	in thendle	Ice V
Project Name: LPU 45	Project #(43) 3020	80860	es or 5MOD	0000000	K EDTA Y Trizma L EDA Z other (specify)
Sile Covinston, NM	SSOW#·		ISD (Y 8D, 80	Will Bridge	Other:
		Sample Matrix	iltered n MS/N GFM_20	umber	
Sample Identification	Sample Date Time	(C=comp, o=waste/oil, G=grab) BT=Tissue, A=Air	Field Perfo	Total	Special Instructions/Note
	X	Preservation Code:	X	X	
58-8-5-1-240201	2/01/24 1520	Solid	Х		
53-8-5-1.5'-240201	2/01/24 1530	Solid Solid	メ		
		Solid			
		Solid			The second secon
		Solid			Loc: 880
		Solid			3887 ₆
		Solid		//	
		Solid			
ant 🗌	Poison B Unknown UR	Radiological	Sample Disposal (A fee may be Return To Client	be assessed if samples are retained longer Disposal By Lab Archive For	etained longer than 1 month) Archive For Months
ested I II III IV Other (specify)			Requirem		
Empty Kit Relinquished by	Date		Time	Method of Shipment:	
Relinquished by	/ ₂ 4	13 <i>0</i> 8 Company	TO SMITPORT	Date/Time.	Company
Relinquished by .		Company		Dated imp	Company
Relinguished by:	Date/Time:	Company	Received by	Date/Time	SUP Company
Custody Seals Intact. Custody Seal No.			Cooler Temperature(s) °C and Other Remarks	Remarks.	

Ver 01/16/2019

2/15/2024

Login Sample Receipt Checklist

Client: ARCADIS US Inc Job Number: 880-38876-1

SDG Number: Lovington, NM

List Source: Eurofins Midland Login Number: 38876 List Number: 1

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	

<6mm (1/4").

Appendix D

NMOCD Correspondence

From: Jordan, Morgan

Sent: Monday, May 6, 2024 10:53 AM

To: Krueger, Lauren

Subject: FW: [EXTERNAL] NMOCD Deadline Extension Request - City of Lovington Surface

Owned Sites

Thank You,

Morgan Jordan | Project Manager | douglas.jordan@arcadis.com Arcadis | Arcadis U.S., Inc. 98 San Jacinto Blvd, Suite 414 | Austin, TX | 78701 | USA M. +1 281 644 9437

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Be green, leave it on the screen.

From: Hall, Brittany, EMNRD <Brittany.Hall@emnrd.nm.gov>

Sent: Tuesday, April 30, 2024 3:41 PM

To: Foord, Scott < William. Foord@arcadis.com>

Cc: Chrisbrand@chevron.com; Michelson, Jason C <jmichelson@chevron.com>; Jordan, Morgan

<Douglas.Jordan@arcadis.com>

Subject: RE: [EXTERNAL] NMOCD Deadline Extension Request - City of Lovington Surface Owned Sites

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Scott,

Based on the age of the releases, OCD will grant the following extension:

- 1. Inc. No. nPAC0617931420 LPU 45 New due date is June 26, 2024 (60 days)
- 2. Inc. No. nPAC0617434320 LPU Injection Station New due date is June 26, 2024 (60 days)
- 3. Inc. No. nPAC0711538356 LPU 118 New due date is June 30, 2024 (60 days)
- 4. Inc. No. nPAC0706832335 LSAU 24 New due date is June 26, 2024 (60 days)
- 5. Inc. No. nGRL0821729742 LSAU 73 New due date is June 30, 2024 (60 days)
- 6. Inc. No. NGRL0916650301 LSAU 82 New due date is June 30, 2024 (60 days)

Please include a copy of this email in the reports for each of the above referenced incident numbers.

Thank you,

Brittany Hall ● Environmental Specialist Environmental Bureau Projects Group EMNRD - Oil Conservation Division 1000 Rio Brazos Road | Aztec, NM 87110 505.517.5333 | <u>Brittany.Hall@emnrd.nm.gov</u> http://www.emnrd.nm.gov/ocd/

Please be advised that the new Digital C-141 is live as of December 1, 2023. Please review the new Digital C-141 submission Dec 1, 2023 Guidance document posted on the EMRND Website prior to submitting any C-141s. The guidance documents can be found at https://www.emnrd.nm.gov/ocd/ocd-forms/.

From: Foord, Scott < William. Foord@arcadis.com>

Sent: Monday, April 29, 2024 8:07 AM

To: Hall, Brittany, EMNRD < Brittany. Hall@emnrd.nm.gov>

Cc: Velez, Nelson, EMNRD < Nelson. Velez@emnrd.nm.gov >; Chrisbrand@chevron.com; Michelson, Jason C

<<u>imichelson@chevron.com</u>>; Jordan, Morgan <<u>Douglas.Jordan@arcadis.com</u>>

Subject: RE: [EXTERNAL] NMOCD Deadline Extension Request - City of Lovington Surface Owned Sites

Brittany,

Please see comments below specific to the status for each of these sites. We are currently summarizing the analytical data and preparing remediation work plans for each site that has been recently assessed. Chevron Legal has been and is currently in communication with the City of Lovington (surface owner) and we anticipate access confirmation soon. This has been ongoing since at least late 2022 to early 2023. Please let me know if you need any additional information.

- 1. Inc. No. nPAC0617931420 LPU 45 Additional soil assessment activities completed in February 2024. The Site Characterization and Remediation Work Plan is currently under development and will be submitted to NMOCD.
- 2. Inc. No. nPAC0617434320 LPU Injection Station Additional soil assessment activities completed in February and April 2024. The Site Characterization and Remediation Work Plan is currently under development and will be submitted to NMOCD.
- 3. Inc. No. nPAC0711538356 LPU 118 The latest soil assessment was completed in March 2023 and a Site Characterization and Remediation Work Plan was submitted to NMOCD in December 2023. The 2023 Site Characterization and Remediation Work Plan was rejected and is currently being revised to address NMOCD comments for resubmittal to the Portal.
- 4. Inc. No. nPAC0706832335 LSAU 24 Additional soil assessment activities completed in February and April 2024. The Site Characterization and Remediation Work Plan is currently under development and will be submitted to NMOCD.
- 5. Inc. No. nGRL0821729742 LSAU 73 The latest soil assessment was completed in March 2023 and a Site Characterization and Remediation Work Plan was submitted to NMOCD in December 2023. The 2023 Site Characterization and Remediation Work Plan was rejected and is currently being revised to address NMOCD comments for resubmittal to the Portal.
- 6. Inc. No. NGRL0916650301 LSAU 82 – The latest soil assessment was completed in March 2023 and a Site Characterization and Remediation Work Plan was submitted to NMOCD in December 2023. The 2023 Site Characterization and Remediation Work Plan was rejected and is currently being revised to address NMOCD comments for resubmittal to the Portal.

Thanks, Scott Direct 713-953-4853 Cell 281-725-7477

From: Hall, Brittany, EMNRD < Brittany, Hall@emnrd.nm.gov>

Sent: Wednesday, April 24, 2024 11:14 AM

To: Foord, Scott < William.Foord@arcadis.com>

Cc: Velez, Nelson, EMNRD < Nelson. Velez@emnrd.nm.gov >; Chrisbrand@chevron.com; Michelson, Jason C

<<u>imichelson@chevron.com</u>>; Jordan, Morgan <<u>Douglas.Jordan@arcadis.com</u>>

Subject: RE: [EXTERNAL] NMOCD Deadline Extension Request - City of Lovington Surface Owned Sites

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Mr. Foord,

After reviewing the previous rejections for the 6 below mentioned incident numbers, the most recent sampling dates in those reports are all over a year old (samples are dated 3/28 or 3/29/2023). These reports were also not submitted to the OCD until December 2023.

Could you please clarify if any additional work has been done at the sites, and how long obtaining access agreements with the City of Lovington has been ongoing?

Thank you,

Brittany Hall ● Environmental Specialist Environmental Bureau Projects Group EMNRD - Oil Conservation Division 1000 Rio Brazos Road | Aztec, NM 87110 505.517.5333 | Brittany.Hall@emnrd.nm.gov http://www.emnrd.nm.gov/ocd/

Please be advised that the new Digital C-141 is live as of December 1, 2023. Please review the new Digital C-141 submission Dec 1, 2023 Guidance document posted on the EMRND Website prior to submitting any C-141s. The guidance documents can be found at https://www.emnrd.nm.gov/ocd/ocd-forms/. or https://www.emnrd.nm.gov/ocd/ocd-forms/.

From: Velez, Nelson, EMNRD < Nelson. Velez@emnrd.nm.gov >

Sent: Wednesday, April 24, 2024 8:05 AM

To: Hall, Brittany, EMNRD < Brittany.Hall@emnrd.nm.gov>

Subject: Fw: [EXTERNAL] NMOCD Deadline Extension Request - City of Lovington Surface Owned Sites

FYI. All are under your review.

Nelson V.

From: Foord, Scott < William.Foord@arcadis.com >

Sent: Wednesday, April 3, 2024 3:41 PM

To: Velez, Nelson, EMNRD < Nelson. Velez@emnrd.nm.gov >

Cc: Brand, Chris M < Chrisbrand@chevron.com; Michelson, Jason C < jmichelson@chevron.com; Jordan, Morgan

<Douglas.Jordan@arcadis.com>

Subject: [EXTERNAL] NMOCD Deadline Extension Request - City of Lovington Surface Owned Sites

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Nelson,

Chevron is currently working on finalizing access agreements with the City of Lovington for the following sites. The City owns the surface. We apologize for the delays, but this has been a back and forth process with all parties and is still ongoing. We would like to please request 90-day extensions for the 4/26/2024 through 4/30/2024 deadlines to complete remediation plans or closure reports for the following sites:

- 1. Inc. No. nPAC0617931420 LPU 45
- 2. Inc. No. nPAC0617434320 LPU Injection Station
- 3. Inc. No. nPAC0711538356 LPU 118
- 4. Inc. No. nPAC0706832335 LSAU 24
- 5. Inc. No. nGRL0821729742 LSAU 73
- Inc. No. NGRL0916650301 LSAU 82

Please let me know if you need any additioanl information.

Thanks, Scott

Scott Foord PG, RSO, CPM
AFS Group Service Leader
Arcadis U.S., Inc.
10205 Westheimer Road Suite 800 | Houston, Texas | 77042 | USA
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Fax: 713 977 4620 www.arcadis.com

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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 357216

QUESTIONS

Operator:	OGRID:
CHEVRON U S A INC	4323
6301 Deauville Blvd	Action Number:
Midland, TX 79706	357216
	Action Type:
	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Prerequisites			
Incident ID (n#)	nPAC0617931420		
Incident Name	NPAC0617931420 LOVINGTON PADDOCK UNIT #045 @ 30-025-03848		
Incident Type	Produced Water Release		
Incident Status	Remediation Plan Received		
Incident Well	[30-025-03848] LOVINGTON PADDOCK UNIT #045		

Location of Release Source	
Please answer all the questions in this group.	
Site Name	LOVINGTON PADDOCK UNIT #045
Date Release Discovered	06/20/2006
Surface Owner	Private

Incident Details					
Please answer all the questions in this group.					
Incident Type	Produced Water 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	Not answered.		
Produced Water Released (bbls) Details	Cause: Corrosion Injection Well Produced Water Released: 10 BBL Recovered: 5 BBL Lost: 5 BBL.		
Is the concentration of chloride in the produced water >10,000 mg/l	Yes		
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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State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. **Santa Fe, NM 87505**

QUESTIONS, Page 2

Action 357216

Phone: (505) 476-3470 Fax: (505) 476-3462	,
QUEST	IONS (continued)
Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323 Action Number: 357216 Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)
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. 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	safety 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.
	ilation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative o sted or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of evaluation in the follow-up C-141 submission.
to report and/or file certain release notifications and perform corrective actions for rele the 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 rt 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: Chris Brand Title: Lead Environmental Specialist

Email: Chrisbrand@chevron.com

Date: 06/25/2024

District I
1625 N. French Dr., Hobbs, NM 88240
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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 357216

QUESTIONS (continued)

Operator:	OGRID:
CHEVRON U S A INC	4323
6301 Deauville Blvd	Action Number:
Midland, TX 79706	357216
	Action Type:
	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Site Characterization	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	Direct Measurement			
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	Greater than 5 (mi.)			
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between ½ and 1 (mi.)			
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)			
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1000 (ft.) and ½ (mi.)			
Any other fresh water well or spring	Between 1000 (ft.) and ½ (mi.)			
Incorporated municipal boundaries or a defined municipal fresh water well field	Zero feet, overlying, or within area			
A wetland	Between 500 and 1000 (ft.)			
A subsurface mine	Greater than 5 (mi.)			
An (non-karst) unstable area	Greater than 5 (mi.)			
Categorize the risk of this well / site being in a karst geology	Low			
A 100-year floodplain	Between 1 and 5 (mi.)			
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 provided to	o 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 contamination	on 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	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in m	nilligrams per kilograms.)
Chloride (EPA 300.0 or SM4500 Cl B)	1220
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	116
GRO+DRO (EPA SW-846 Method 8015M)	116
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes complete which includes the anticipated timelines for beginning and completing the remediation.	ed 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	07/25/2024
On what date will (or did) the final sampling or liner inspection occur	07/29/2024
On what date will (or was) the remediation complete(d)	08/25/2024
What is the estimated surface area (in square feet) that will be reclaimed	2500
What is the estimated volume (in cubic yards) that will be reclaimed	500
What is the estimated surface area (in square feet) that will be remediated	2500
What is the estimated volume (in cubic yards) that will be remediated	500
These estimated dates and measurements are recognized to be the best guess or calculation at the	the time of submission and may (be) change(d) over time as more remediation efforts are completed.
These estimated dates and measurements are recognized to be the best guess or calculation at the	1 777

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

District I

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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 4

Action 357216

QUESTIONS (continued)

Operator:	OGRID:
CHEVRON U S A INC	4323
6301 Deauville Blvd	Action Number:
Midland, TX 79706	357216
	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.)	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	R360 Artesia LLC LANDFARM [fEEM0112340644]
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	No
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No
Ground Water Abatement pursuant to 19.15.30 NMAC	No
OTHER (Non-listed remedial process)	No

er Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC 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.

I hereby agree and sign off to the above statement

Name: Chris Brand

Title: Lead Environmental Specialist Email: Chrisbrand@chevron.com

Date: 06/25/2024

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 357216

QUESTIONS (continued)

40-10-110-110-110-110-110-110-110-110-11	
Operator:	OGRID:
CHEVRON U S A INC	4323
6301 Deauville Blvd	Action Number:
Midland, TX 79706	357216
	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 No submission

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

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Remediation Closure Request

Requesting a remediation closure approval with this submission

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 357216

QUESTIONS (continued)	QL	JEST	IONS	(continued)
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Operator:	OGRID:
CHEVRON U S A INC	4323
6301 Deauville Blvd	Action Number:
Midland, TX 79706	357216
	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.}

No

Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.

District I
1625 N. French Dr., Hobbs, NM 88240
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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 357216

CONDITIONS

Operator:	OGRID:
CHEVRON U S A INC	4323
6301 Deauville Blvd	Action Number:
Midland, TX 79706	357216
	Action Type:
	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

CONDITIONS

Created By	Condition	Condition Date
bhall	Remediation plan conditionally approved. Vertical delineation was not achieved and must be addressed during remediation activities. All side wall and base samples must be at or below the most stringent closure criteria found in Table I.	6/26/2024
bhall	The release area will need to be reclaimed at the time of remediation pursuant to 19.15.29.13 NMAC, including reseeding in the first favorable growing season.	6/26/2024
bhall	Submit a complete and accurate closure and/or reclamation report through the OCD Permitting website by 9/27/2024. Failure to submit a complete report by 9/27/2024 may result in compliance and enforcement penalties pursuant to 19.15.5 NMAC.	6/26/2024