

CLOSURE REPORT

Property:

Chaco Plant Water/Amine Spill Unit Letter N, S16 T26N R12W San Juan County, New Mexico

New Mexico EMNRD OCD Incident ID No. NAPP2427534650

April 9, 2025

Ensolum Project No. 05A1226348

Prepared for:

Enterprise Field Services, LLC 614 Reilly Avenue Farmington, NM 87401 Attn: Mr. Thomas Long

Prepared by:

Landor Daniell Project Geologist

man

Kyle Summers Senior Managing Geologist

Ensolum, LLC | Environmental, Engineering & Hydrogeologic Consultants

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1.1 Site Description & Background

Operator:	Enterprise Field Services, LLC / Enterprise Products Operating LLC (Enterprise)				
Site Name:	Chaco Plant Water/Amine Spill (Site)				
NM EMNRD OCD Incident ID No.	NAPP2427534650				
Location:	36.482033° North, 108.117893° West Unit Letter N, Section 16, Township 26 North, Range 12 West San Juan County, New Mexico				
Property:	Private Property				
Regulatory:	New Mexico (NM) Energy, Minerals and Natural Resources Department (EMNRD) Oil Conservation Division (OCD)				

On September 30, 2025, Enterprise personnel identified a release of water/amine from a temporary holding tank at the Enterprise Chaco Gas Plant. Enterprise determined the release was "reportable" and the NM EMNRD OCD was subsequently notified. On March 12, 2025, Enterprise initiated activities to remediate hydrocarbon impact.

A **Topographic Map** depicting the location of the Site is included as **Figure 1**, and a **Site Vicinity Map** is included as **Figure 2** in **Appendix A**.

1.2 **Project Objective**

The primary objective of the closure activities was to reduce constituent of concern (COC) concentrations in the on-site soils to below the applicable NM EMNRD OCD closure criteria.

2.0 CLOSURE CRITERIA

The Site is subject to regulatory oversight by the NM EMNRD OCD. During the evaluation and remediation of the Site, Ensolum, LLC (Ensolum) referenced New Mexico Administrative Code (NMAC) 19.15.29 *Releases*, which establishes investigation and abatement action requirements for oil and gas release sites that are subject to reporting and/or corrective action. The appropriate closure criteria for sites are determined using the siting requirements outlined in Paragraph (4) of Subsection C of 19.15.29.12 NMAC. Ensolum utilized the general site characteristics and information available from NM state agency databases and federal agency geospatial databases to determine the appropriate closure criteria for the Site. Supporting figures and documentation associated with the following Siting bullets are provided in **Appendix B**.

The NM Office of the State Engineer (OSE) tracks the usage and assignment of water rights and water well installations and records this information in the Water Rights Reporting System (WRRS) database. Water wells and other points of diversion (PODs) are each assigned POD numbers in the database (which is searchable and includes an interactive map). Five PODs are located on the Chaco Plant property. No other PODs were identified in the same Public Land Survey System (PLSS) section. No PODs were identified in adjacent PLSS sections (Figure A, Appendix B). The closest POD (SJ-04463 POD 4) is approximately 768 feet west of the site and approximately 1 foot lower in elevation than the Site. The recorded depth to water (DTW) for this POD is 12 feet below grade surface (bgs) (2023 Groundwater Monitoring Report, Ensolum, January 9, 2024).



- No cathodic protection wells (CPWs) were identified in the NM EMNRD OCD imaging database in the same or adjacent PLSS sections (**Figure B** (**Appendix B**)).
- The Site is not located within 300 feet of a NM EMNRD OCD-defined continuously flowing watercourse or significant watercourse (**Figure C**, **Appendix B**).
- The Site is not located within 200 feet of a lakebed, sinkhole, or playa lake.
- The Site is not located within 300 feet of a permanent residence, school, hospital, institution, or church (**Figure D**, **Appendix B**). The Site is within an active petroleum hydrocarbon processing facility.
- No springs, or private domestic freshwater wells used by less than five households for domestic or stock watering purposes were identified within 500 feet of the Site (Figure E, Appendix B).
- No freshwater wells or springs were identified within 1,000 feet of the Site (Figure E, Appendix B).
- The Site is not located within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to New Mexico Statutes Annotated (NMSA) 1978, Section 3-27-3.
- Based on information identified in the U.S. Fish & Wildlife Service National Wetlands Inventory Wetlands Mapper, the Site is not within 300 feet of a wetland (**Figure F**, **Appendix B**). The nearest wetland is a riverine located approximately 1,600 feet to the southeast.
- Based on information identified in the NM Mining and Minerals Division's Geographic Information System (GIS) Maps and Mine Data database, the Site is not within an area overlying a subsurface mine (**Figure G**, **Appendix B**).
- The Site is not located within an unstable area per Paragraph (6) of Subsection U of 19.15.2.7 NMAC.
- Based on information provided by the Federal Emergency Management Agency (FEMA) National Flood Hazard Layer (NFHL) geospatial database, the Site is not within a 100-year floodplain (**Figure H**, **Appendix B**).

Based on available information the depth to water at the Site is estimated to be less than 50 feet bgs, resulting in a Tier I ranking. The closure criteria for soils remaining in place at the Site include:

Tier I Closure Criteria for Soils Impacted by a Release							
Constituent ¹	Method	Limit					
Chloride	EPA 300.0 or SM4500 CI B	600 mg/kg					
TPH (GRO+DRO+MRO) ²	EPA SW-846 Method 8015	100 mg/kg					
BTEX ³	EPA SW-846 Method 8021 or 8260	50 mg/kg					
Benzene	EPA SW-846 Method 8021 or 8260	10 mg/kg					

¹ – Constituent concentrations are in milligrams per kilogram (mg/kg).

² – Total Petroleum Hydrocarbons (TPH). Gasoline Range Organics (GRO). Diesel Range Organics (DRO). Motor Oil/Lube Oil Range Organics (MRO).

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³ – Benzene, Toluene, Ethylbenzene, and Total Xylenes (BTEX).

3.0 SOIL REMEDIATION ACTIVITIES

On March 12, 2025, Enterprise initiated activities to remediate petroleum hydrocarbon impact resulting from the release. During the remediation and corrective action activities, Riley Industrial Services, Inc. and TRC Construction, Inc. provided heavy equipment and labor support, while Ensolum provided environmental consulting support.

The excavation measured approximately 190 feet long and 61 feet wide at the maximum extents. The average depth of the excavation measured approximately 0.5 feet to 0.8 feet bgs, with a footprint of approximately 5,550 ft². The lithology encountered during the completion of remediation activities consisted primarily of unconsolidated silty sand and clay overlain by a gravel driving surface.

Approximately 231 cubic yards (yd³) of petroleum hydrocarbon-affected soils and surface gravel, and 560 barrels (bbls) of hydro-excavation soil cuttings and water were transported to the Envirotech, Inc., (Envirotech) landfarm in San Juan County, NM for disposal/remediation. The executed C-138 solid waste acceptance form is provided in **Appendix C**. The excavation was backfilled with imported fill and then contoured to the surrounding grade.

Figure 3 is a map that identifies approximate soil sample locations and depicts the approximate dimensions of the excavation with respect to the pipeline (**Appendix A**). Photographic documentation of the field activities is included in **Appendix D**.

4.0 SOIL SAMPLING PROGRAM

Ensolum field screened the soil samples from the excavation utilizing a calibrated Dexsil PetroFLAG[®] hydrocarbon analyzer system and a photoionization detector (PID) fitted with a 10.6 eV lamp to guide excavation extents.

Ensolum's soil sampling program included the collection of 28 composite soil samples (S-1 through S-17, S-17a, and S-18 through S-27) from the excavation and one composite sample (BF-1) from the backfill for laboratory analysis. The composite samples were comprised of five aliquots each and represent an estimated 400 square foot (ft²) or less sample area as approved by the NM ENMRD OCD. The excavator bucket and/or hand tools were utilized to obtain fresh aliquots from the excavation and backfill. Regulatory correspondence is provided in **Appendix E**.

First Sampling Event

On March 3, 2025, sampling was performed at the Site. The NM EMNRD OCD was notified of the sampling event although no representative was present during sampling activities. Composite soil samples S-1 through S-14 were collected from the flow path prior to remediation. The results for composite soil samples S-3, S-4, S-6, S-7, S-8, S-9, S-10, S-11, S-12, and S-14 indicated total combined TPH concentration exceedances.

Second Sampling Event

On March 14, 2025, sampling was performed at the Site. The NM EMNRD OCD was notified of the sampling event although no representative was present during sampling activities. Composite soil samples S-15 through S-23 were collected from the floor and sidewalls of the excavation. The results for composite soil sample S-17 indicated a total combined TPH concentration exceedance.

Third Sampling Event

On March 19, 2025, after removing additional soil from the area represented by composite soil sample S-17, sampling was performed at the Site. The NM EMNRD OCD was notified of the



sampling event although no representative was present during sampling activities. Composite soil sample S-17a was collected from the excavation to replace composite soil sample S-17.

Fourth Sampling Event

On March 28, 2025, sampling was performed at the Site. The NM EMNRD OCD was notified of the sampling event although no representative was present during sampling activities. Composite soil sample BF-1 was collected from the imported fill.

All soil samples were collected and placed in laboratory-prepared glassware. The containers were labeled and sealed using the laboratory-supplied labels and custody seals and were stored on ice in a cooler. The samples were relinquished to the courier for Eurofins Environment Testing South Central, LLC (Eurofins) of Albuquerque, NM, under proper chain-of-custody procedures.

5.0 SOIL LABORATORY ANALYTICAL METHODS

The composite soil samples were analyzed for BTEX using Environmental Protection Agency (EPA) SW-846 Method 8021; TPH GRO/DRO/MRO using EPA SW-846 Method 8015; and chlorides using EPA Method 300.0.

The laboratory analytical results are summarized in **Table 1** (**Appendix F**). The laboratory data sheets and executed chain-of-custody forms are provided in **Appendix G**.

6.0 SOIL DATA EVALUATION

Ensolum compared the benzene, BTEX, TPH, and chloride laboratory analytical results or laboratory practical quantitation limits (PQLs) / reporting limits (RLs) associated with the composite soil samples to the applicable NM EMNRD OCD closure criteria. Due to the high PQLs/RLs associated with the TPH MRO results when using EPA SW-846 Method 8015, Ensolum only compared the quantified TPH results to the New Mexico EMNRD OCD closure criteria. The results for composite soil samples S-3 through S-14 and S-17 are not included in the following discussion because the impacted soils associated with these samples were removed from the Site and taken to the landfarm. The laboratory analytical results are summarized in **Table 1 (Appendix F)**.

- The laboratory analytical results for the composite soil samples indicate that benzene is not present at concentrations greater than the laboratory PQLs/RLs, which are less than the NM EMNRD OCD closure criteria of 10 mg/kg.
- The laboratory analytical results for the composite soil samples indicate that total BTEX is not present at concentrations greater than the laboratory PQLs/RLs, which are less than the NM EMNRD OCD closure criteria of 50 mg/kg.
- The laboratory analytical results for composite soil samples S-1, S-2, and S-24 through S-27 indicate total combined TPH GRO/DRO/MRO concentrations ranging from 10 mg/kg (S-24) to 83 mg/kg (S-1), which are less than the NM EMNRD OCD closure criteria of 100 mg/kg. The analytical results for the other composite soil samples collected from soils remaining at the Site indicate that total combined TPH GRO/DRO/MRO concentrations are less than the laboratory PQLs / RLs, which are less than the NM EMNRD OCD closure criteria of 100 mg/kg.
- The laboratory analytical result for composite soil sample S-1 indicates a chloride concentration of 140 mg/kg, which is less than the NM EMNRD OCD closure criteria of 600 mg/kg. The analytical results for the other composite soil samples collected from soils

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remaining at the Site indicate that chloride concentrations are less than the laboratory PQLs / RLs, which are less than the NM EMNRD OCD closure criteria of 600 mg/kg.

7.0 RECLAMATION

The excavation was backfilled with imported fill and then contoured to the surrounding grade. The backfill and the upper four feet of the excavation have been analytically verified to be below the Tier I soil standards of 50 mg/kg BTEX, 10 mg/kg benzene, 100 mg/kg total combined TPH, and 600 mg/kg Chloride. See **APPENDIX D** and **APPENDIX F** for further documentation.

8.0 **REVEGETATION**

Revegetation will be addressed in accordance with 19.15.29.13 NMAC utilizing the recommended seed mix as described in the Vegetation Community Descriptions and Seed Mixes provided by the BLM Farmington Field Office. In this case the surrounding vegetation is predominantly of the Grassland Vegetation Community. Enterprise will reseed the area with the appropriate seed mix once the Chaco Gas Plant is no longer used as a production facility. A revegetation report will be provided under separate cover.

9.0 FINDINGS AND RECOMMENDATION

- A total of 29 composite soil samples were collected from the Site. Based on laboratory analytical results, no benzene, total BTEX, chloride, or total combined TPH GRO/DRO/MRO exceedances were identified in the soils remaining at the Site.
- Approximately 231 yd³ of petroleum hydrocarbon-affected soils and 560 bbls of hydroexcavation soil cuttings and water were transported to the Envirotech landfarm for disposal/remediation.

Based on field observations and laboratory analytical results, no additional investigation or corrective action appears warranted at this time.

10.0 STANDARDS OF CARE, LIMITATIONS, AND RELIANCE

10.1 Standard of Care

Ensolum's services were performed in accordance with standards customarily provided by a firm rendering the same or similar services in the area during the same time period. Ensolum makes no warranties, express or implied, as to the services performed hereunder. Additionally, Ensolum does not warrant the work of third parties supplying information used in the report (e.g., laboratories, regulatory agencies, or other third parties).

10.2 Limitations

Findings, conclusions, and recommendations resulting from these services are based upon information derived from the on-Site activities and other services performed under this scope of work, and it should be noted that this information is subject to change over time. Certain indicators of the presence of hazardous substances, petroleum products, or other constituents may have been latent, inaccessible, unobservable, or not present during these services, and Ensolum



cannot represent that the Site contains no hazardous substances, toxic materials, petroleum products, or other latent conditions beyond those identified during the investigation. Environmental conditions at other areas or portions of the Site may vary from those encountered at actual sample locations. Ensolum's findings and recommendation are based solely upon data available to Ensolum at the time of these services.

10.3 Reliance

This report has been prepared for the exclusive use of Enterprise, and any authorization for use or reliance by any other party (except a governmental entity having jurisdiction over the Site) is prohibited without the express written authorization of Enterprise and Ensolum. Any unauthorized distribution or reuse is at the client's sole risk. Notwithstanding the foregoing, reliance by authorized parties will be subject to the terms, conditions, and limitations stated in this report and Ensolum's Master Services Agreement. The limitation of liability defined in the agreement is the aggregate limit of Ensolum's liability to the client.





APPENDIX A

Figures

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Received by OCD: 4/15/2025 7:55:13 AM



ENSOLUM Environmental, Engineering and Hydrogeologic Consultants

Site Vicinity Map

Enterprise Field Services, LLC Chaco Plant Water/Amine Spill Project Number: 05A1226348 Unit Letter N, S16 T26N R12W, San Juan County, New Mexico 36.482033, -108.117893 FIGURE

Toluene <0.040 Toluene Ethylbenzene <0.040 Ethylbenzene Xylenes <0.080 Xy Total BTEX ND To TPH GRO <4.0 TP S-27 TPH DRO 290 TP 3.19.25 TPH MRO <94 TP	5-11 5-24 5-13 3.03.25 3.19.25 3.03.25 (0' - 0.25') (0.5' - 0.8') Benzene Nuberne <0.019 Benzene <0.014 Nylbenzene <0.038 Toluene <0.028 Hylbenzene <0.038 Ethylbenzene <0.038 Ienes <0.075 Xylenes <0.037 Xylenes <0.057 Total BTEX ND Total BTEX ND H GRO 3.50 TPH GRO <2.8 TPH GRO 3.8 H MRO <48 TPH MRO <46 TPH MRO <48	Xylenes <0.070	ne <0.036
Benzene	tal Combined TPH GRO/DRO/MRO 350 Iorides <60	GRO/DRO/MRO 130 GRO/DRO/MRO 140 GRO/DRO/MRO 110 GRO/	Combined TPH DRO/MROND ides <60 Chlorides <60 Ch
Notes: All concentration are listed in milligrams per kilogram (mg/kg). All depths are listed in feet bgs.	DRO 240 MRO <47	5-23 5-22 5-21 3.14.25 3.14.25 (0.5' - 0.8') Benzene <0.046	S-17a S-17 S-19 S-10 S-17 S-19 S-14 S-17 S-19 S-16 S-17 S-19 S-17 S-19 S-17 S-19 S-17 S-19 S-17 S-19 S-14 S-10 S-10 <t< td=""></t<>
Concentrations in red exceed the applicable NM EMNRD OCD Closure Criteria." Analytical callouts in gray denote sampling to removed by excavation 0 20 40	cation eet		

	LEGEND
	Composite Soil Sample Location
4 11 12	Flow Path
	Excavation Extent
07/	
100	
S-1	
3.03.25 (0' - 0.25')	
ne <0.019 ne <0.038 nenzene <0.038	
es <0.075 BTEX ND	
RO <3.8 RO 83 IRO <49	
Combined TPH DRO/MRO 83	
des <u>140</u>	
S-2	
3.03.25 (0' - 0.25') me <0.021	
ne <0.041 penzene <0.041 es <0.082	
BTEX ND iRO <4.1	
RO 66 ARO <47 Combined TPH	
DRO/MRO 66 des <59	
S-3 3.03.25 (0' - 0.25')	
ne <0.021 ne <0.042	
eenzene <0.042 es <0.084 BTEX ND	
iRO <4.2 IRO 780	Environmental, Engineering and Hydrogeologic Consultants
MRO <47 Combined TPH DRO/MRO 780	
des 190	Site Map with
	Soil Analytical Results
	Enterprise Field Services, LLC
	Chaco Plant Water/Amine Spill Unit Letter N, S16 T26N R12W
-	San Juan County, New Mexico 36.482033, -108.117893
	Figure
Sources: Bing Maps	
Cure make	Project Number: 05A1226348

Project Number: 05A1226348



APPENDIX B

Siting Figures and Documentation







Cathodic Protection Well Recorded Depth to Water Enterprise Field Services, LLC Chaco Plant Water/Amine Spill

Chaco Plant Water/Amine Spill Project Number: 05A1226348 Unit Letter N, S16 T26N R12W, San Juan County, New Mexico 36.482033, -108.117893 FIGURE

Β



Chaco Plant Water/Amine Spill Project Number: 05A1226348 Unit Letter N, S16 T26N R12W, San Juan County, New Mexico 36.482033, -108.117893

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300 Foot Radius Occupied Structure Identification Enterprise Field Services, LLC Chaco Plant Water/Amine Spill

Chaco Plant Water/Amine Spill Project Number: 05A1226348 Unit Letter N, S16 T26N R12W, San Juan County, New Mexico 36.482033, -108.117893 FIGURE

D

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36.482033, -108.117893



New Mexico Office of the State Engineer Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)	(R=POD has been replaced, O=orphaned, C=the file is closed)			(quart smalle larges										(In feet)	
POD Number	Code	Sub basin	County	Q64	Q16	Q4	Sec	Tws	Range	x	Y	Мар	Well Depth	-	Water Column
<u>SJ 04463 POD1</u>		SJ	SJ		SE	SW	16	26N	12W	220433.4	4041900.8	•	20	20	0
<u>SJ 04463 POD2</u>		SJ	SJ		SE	SW	16	26N	12W	220415.1	4041900.1	•	20	20	0
<u>SJ 04463 POD3</u>		SJ	SJ		SE	SW	16	26N	12W	220433.7	4041873.7	•	20		

26N 12W

220437.8 4041916.4 •

Average Depth to Water: 20 feet

20

Minimum Depth: 20 feet

20

0

Maximum Depth: 20 feet

Record Count: 4

SJ 04463 POD4

Basin/County Search: Basin: SJ

PLSS Search:

Range: 12W Township: 26N Section: 8, 9,10,15,16,17,20,21,22

* UTM location was derived from PLSS - see Help

SJ

SJ

SE

SW 16

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



APPENDIX C

Executed C-138 Solid Waste Acceptance Form

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1220 S. St. Francis Dr., Santa Fe, NM 87505
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

Form C-138 Revised 08/01/11

*Surface Waste Management Facility Operator and Generator shall maintain and make this documentation available for Division inspection.

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. Generator Name and Address: Enterprise Field Services, LLC, 614 Reilly Ave, Farmington NM 87401

PayKey:AM14058 **PM: Erric Lucera** PayKey SF11548 AFE: N75122

Originating Site: 2. **Chaco Plant Amine Spill**

Location of Material (Street Address, City, State or ULSTR): 3. Section 16 T26N R12W; 36.482033,-108.117893

Source and Description of Waste: 4.

Source: Hydrocarbon/Amine impacted soil associated an amine release.

Description: Hydrocerbon/Amine impacted soil associated an amine release. Estimated Volume (50)yd³ / bbls Known Volume (to be entered by the operator at the end of the haul) $\frac{23l}{5cO}$ yd³ / bbls

5.

GENERATOR CERTIFICATION STATEMENT OF WASTE STATUS

I, Thomas Long, representative or authorized agent for Enterprise Products Operating do hereby **Generator Signature**

certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: (Check the appropriate classification)

RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-Operator Use Only: Waste Acceptance Frequency Monthly Weekly Per Load exempt waste.

RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items)

□ MSDS Information □ RCRA Hazardous Waste Analysis □ Process Knowledge □ Other (Provide description in Box 4)

GENERATOR 19.15.36.15 WASTE TESTING CERTIFICATION STATEMENT FOR LANDFARMS

3-11-2024, representative for Enterprise Products Operating authorizes Envirotech, Inc. to complete I, Thomas Long **Generator Signature**

the required testing/sign the Generator Waste Testing Certification.

ana Crabbye Envirotech, Inc. do hereby certify that , representative for representative samples of the oil field waste have been subjected to the paint filter test and tested for chloride content and that the samples have been found to conform to the specific requirements applicable to landfarms pursuant to Section 15 of 19.15.36 NMAC. The results of the representative samples are attached to demonstrate the above-described waste conform to the requirements of Section 15 of 19.15.36 NMAC.

Transporter: Riley Industrial and TRC 5.

OCD Permitted Surface Waste Management Facility

Address of Facility: Hilltop, NM Method of Treatment and/or Dis	VI posal:	iation Facility * Permit #: NM 01-0011 Plant 🛛 Landfarm 🗌 Landfill	C Other
Evaporation	Injection [] I reating		
Waste Acceptance Status:	APPROVED	DENIED (Must Be	Maintained As Permanent Record)
PRINT NAME: Give Crub SIGNATURE: Surface Waste Manage	ment Facility Authorized Agent	TITLE: Enjiro Manogen TELEPHONE NO.: 505-632-0615	DATE: $3/u/25$



APPENDIX D

Photographic Documentation

SITE PHOTOGRAPHS

Closure Report Enterprise Field Services, LLC Chaco Plant Water/Amine Spill Ensolum Project No. 05A1226348





Closure Report Enterprise Field Services, LLC Chaco Plant Water/Amine Spill Ensolum Project No. 05A1226348

E N S O L U M

Photograph 4 Photograph Description: View of final excavation. Photograph 5 Photograph Description: View of the excavation final restoration.



APPENDIX E

Regulatory Correspondence

From: OCDOnline@state.nm.us <OCDOnline@state.nm.us>
Sent: Wednesday, February 26, 2025 10:33 AM
To: Long, Thomas <tjlong@eprod.com>
Subject: [EXTERNAL] The Oil Conservation Division (OCD) has accepted the application, Application ID: 435493

[Use caution with links/attachments]

To whom it may concern (c/o Thomas Long for Enterprise Field Services, LLC),

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAPP2427534650.

The sampling event is expected to take place:

When: 03/03/2025 @ 09:00 **Where:** N-16-26N-12W 0 FNL 0 FEL (36.482033,-108.117893)

Additional Information: Ensolum, LLC

Additional Instructions: 36.482033,-108.117893

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the

sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

• Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

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

This message (including any attachments) is confidential and intended for a specific individual and purpose. If you are not the intended recipient, please notify the sender immediately and delete this message.

From: OCDOnline@state.nm.us <OCDOnline@state.nm.us>
Sent: Wednesday, March 12, 2025 7:13 AM
To: Long, Thomas <tjlong@eprod.com>
Subject: [EXTERNAL] The Oil Conservation Division (OCD) has accepted the application, Application ID: 441524

[Use caution with links/attachments]

To whom it may concern (c/o Thomas Long for Enterprise Field Services, LLC),

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAPP2427534650.

The sampling event is expected to take place:

When: 03/14/2025 @ 10:00 **Where:** N-16-26N-12W 0 FNL 0 FEL (36.482033,-108.117893)

Additional Information: Ensolum, LLC

Additional Instructions: 36.482033,-108.117893

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to

19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

• Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

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

This message (including any attachments) is confidential and intended for a specific individual and purpose. If you are not the intended recipient, please notify the sender immediately and delete this message.

From: OCDOnline@state.nm.us <OCDOnline@state.nm.us>
Sent: Monday, March 17, 2025 7:53 AM
To: Long, Thomas <tjlong@eprod.com>
Subject: [EXTERNAL] The Oil Conservation Division (OCD) has accepted the application, Application ID: 442847

[Use caution with links/attachments]

To whom it may concern (c/o Thomas Long for Enterprise Field Services, LLC),

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAPP2427534650.

The sampling event is expected to take place:

When: 03/19/2025 @ 09:00 **Where:** N-16-26N-12W 0 FNL 0 FEL (36.482033,-108.117893)

Additional Information: Ensolum, LLC.

Additional Instructions: 36.482033,-108.117893

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to

19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

• Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

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

This message (including any attachments) is confidential and intended for a specific individual and purpose. If you are not the intended recipient, please notify the sender immediately and delete this message.

From: OCDOnline@state.nm.us <OCDOnline@state.nm.us>
Sent: Wednesday, March 26, 2025 7:43 AM
To: Long, Thomas <tjlong@eprod.com>
Subject: [EXTERNAL] The Oil Conservation Division (OCD) has accepted the application, Application ID: 445678

[Use caution with links/attachments]

To whom it may concern (c/o Thomas Long for Enterprise Field Services, LLC),

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAPP2427534650.

The sampling event is expected to take place:

When: 03/28/2025 @ 09:00 **Where:** N-16-26N-12W 0 FNL 0 FEL (36.482033,-108.117893)

Additional Information: Ensolum, LLC

Additional Instructions: 36.482033,-108.117893

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to

19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

• Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

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

This message (including any attachments) is confidential and intended for a specific individual and purpose. If you are not the intended recipient, please notify the sender immediately and delete this message.
Received by OCD: 4/15/2025 7:55:13 AM

From: Velez, Nelson, EMNRD <<u>Nelson.Velez@emnrd.nm.gov</u>>
Sent: Wednesday, March 26, 2025 2:38 PM
To: Long, Thomas <<u>tjlong@eprod.com</u>>
Cc: Stone, Brian <<u>bmstone@eprod.com</u>>
Subject: Re: [EXTERNAL] Chaco Plant Water/Amine Spill - UL N Section 16 T26N

R12W;36.482033,-108.117893; NMOCD Incident # NAPP2427534650

[Use caution with links/attachments]

Good afternoon Tom,

Thank you for the inquiry. Your 30-day time extension request is approved. Remediation Due date updated to April 30, 2025.

Please keep a copy of this communication for inclusion within the appropriate report submittal.

The OCD requires a copy of all correspondence relative to remedial activities be included in all proposals and/or final closure reports. Correspondence required to be included in reports may include, but not limited to, notifications for liner inspections, sample events, spill/release/fire, and request for time extensions or variances.

Regards,

Nelson Velez • Environmental Specialist - Adv Environmental Bureau | EMNRD - Oil Conservation Division 1000 Rio Brazos Road | Aztec, NM 87410 (505) 469-6146 | nelson.velez@emnrd.nm.gov http://www.emnrd.nm.gov/ocd_



From: Long, Thomas <tjlong@eprod.com>
Sent: Wednesday, March 26, 2025 1:38 PM
To: Velez, Nelson, EMNRD <<u>Nelson.Velez@emnrd.nm.gov</u>>
Cc: Stone, Brian <<u>bmstone@eprod.com</u>>
Subject: RE: [EXTERNAL] Chaco Plant Water/Amine Spill - UL N Section 16 T26N
R12W;36.482033,-108.117893; NMOCD Incident # NAPP2427534650

Nelson,

Enterprise requests a variance for the Chaco Plant Water/Amine Spill - UL N Section 16 T26N R12W;36.482033,-108.117893; NMOCD Incident # NAPP2427534650. Enterprise requests an additional time extension of 30 days for a closure report submittal of April 30, 2025. <u>Remediation</u> of the release is complete. The reason for the extension request is to finalize the closure report. Please acknowledge acceptance of this variance requests. If you have any questions, please call or email.

Thomas J. Long Senior Environmental Scientist Enterprise Products Company 614 Reilly Ave. Farmington, New Mexico 87401 505-599-2286 (office) 505-215-4727 (Cell) tjlong@eprod.com



From: Velez, Nelson, EMNRD <<u>Nelson.Velez@emnrd.nm.gov</u>>
Sent: Monday, December 23, 2024 11:03 AM
To: Long, Thomas <<u>tjlong@eprod.com</u>>
Cc: Stone, Brian <<u>bmstone@eprod.com</u>>
Subject: Re: [EXTERNAL] Chaco Plant Water/Amine Spill - UL N Section 16 T26N
R12W;36.482033,-108.117893; NMOCD Incident # NAPP2427534650

[Use caution with links/attachments]

Good morning Tom,

Your 90-day time extension request is approved. Remediation Due date has been updated to March 31, 2025.

Please keep a copy of this communication for inclusion within the appropriate report submittal.

Regards,

Nelson Velez • Environmental Specialist - Adv Environmental Bureau | EMNRD - Oil Conservation Division 1000 Rio Brazos Road | Aztec, NM 87410 (505) 469-6146 | <u>nelson.velez@emnrd.nm.gov</u> http://www.emnrd.nm.gov/ocd_



From: Long, Thomas <tilong@eprod.com>
Sent: Monday, December 2, 2024 1:08 PM
To: Velez, Nelson, EMNRD <<u>Nelson.Velez@emnrd.nm.gov</u>>
Cc: Stone, Brian <<u>bmstone@eprod.com</u>>
Subject: [EXTERNAL] Chaco Plant Water/Amine Spill - UL N Section 16 T26N
R12W;36.482033,-108.117893; NMOCD Incident # NAPP2427534650

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

Enterprise requests a variance from the 200 square feet sampling requirement cited in <u>19.15.29.12</u> (D)(1)(c) for the Chaco Plant Water/Amine Spill - UL N Section 16 T26N R12W;36.482033,-108.117893; NMOCD Incident # NAPP2427534650. Enterprise requests an alternate of 400 square feet because the release was a surface release. In addition, Enterprise requests a time extension. The original due date for the closure report submittal is <u>December 30</u>, <u>2024</u>. Enterprise requests time extension of an additional <u>90 days</u> for a new submittal due date of <u>March 30</u>, 2025. The reason for the extension request is that another incident occurred at the facility that caused the area to be unsafe to complete the required sampling. Please acknowledge acceptance of this variance requests. If you have any questions, please call or email.

Thomas J. Long Senior Environmental Scientist Enterprise Products Company 614 Reilly Ave. Farmington, New Mexico 87401 505-599-2286 (office) 505-215-4727 (Cell) tjlong@eprod.com



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APPENDIX F

Table 1 – Soil Analytical Summary

Released to Imaging: 6/25/2025 8:07:44 AM

							TABLE 1						
							Int Water/Ami						
Sample I.D.	Date	Sample Type	Total Depth	Benzene	Ethylbenzene	Toluene	Xylenes	Total BTEX ¹	TPH	ТРН	ТРН	Total Combined	Chloride
·							-		GRO	DRO	MRO	TPH (GRO/DRO/MRO) ¹	
		C- Composite G - Grab	(feet)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
New Mexi	co Energy, Mi	neral & Natural R	esources										
	-	artment vision Closure Cı	vitorio	10	NE	NE	NE	50	NE	NE	NE	100	600
		lier I)	riteria										
					R	emoved Excava	tion Composite	e Soil Samples					
S-3	3.03.25	С	0 to 0.25	<0.021	<0.042	<0.042	<0.084	ND	<4.2	780	<47	780	190
S-4	3.03.25	С	0 to 0.25	<0.023	<0.047	<0.047	<0.094	ND	<4.7	150	<47	150	<61
S-5	3.03.25	С	0 to 0.25	<0.021	<0.042	<0.042	<0.085	ND	<4.2	59	<48	59	<60
S-6	3.03.25	С	0 to 0.25	<0.022	<0.044	<0.044	<0.088	ND	<4.4	110	<48	110	<60
S-7	3.03.25	С	0 to 0.25	<0.019	<0.038	<0.038	<0.076	ND	<3.8	140	<49	140	<60
S-8	3.03.25	С	0 to 0.25	<0.018	<0.035	<0.035	<0.070	ND	<3.5	130	<49	130	<60
S-9	3.03.25	С	0 to 0.25	<0.021	<0.042	<0.042	<0.083	ND	<4.2	17	<49	17	<59
S-10	3.03.25	С	0 to 0.25	<0.031	<0.063	<0.063	<0.13	ND	<6.3	240	<47	240	<60
S-11	3.03.25	С	0 to 0.25	<0.019	<0.038	<0.038	<0.075	ND	<3.8	350	<48	350	<60
S-12	3.03.25	С	0 to 0.25	<0.020	<0.040	<0.040	<0.080	ND	<4.0	290	<94	290	<59
S-13	3.03.25	С	0 to 0.25	<0.019	<0.038	<0.038	<0.077	ND	<3.8	12	<48	12	<60
S-14	3.03.25	С	0 to 0.25	<0.020	<0.040	<0.040	<0.079	ND	<4.0	120	<99	120	<60
S-17	3.14.25	С	0.5 to 0.8	<0.019	<0.039	<0.039	<0.077	ND	<3.9	210	270	480	<60
						Excavation	Composite Soil	Samples		•	•		
S-1	3.03.25	С	0 to 0.25	<0.019	<0.038	<0.038	<0.075	ND	<3.8	83	<49	83	140
S-2	3.03.25	С	0 to 0.25	<0.021	<0.041	<0.041	<0.082	ND	<4.1	66	<47	66	<59
S-15	3.14.25	С	0.5 to 0.8	<0.017	<0.033	<0.033	<0.066	ND	<3.3	<9.3	<46	ND	<60
S-16	3.14.25	С	0.5 to 0.8	<0.021	<0.042	<0.042	<0.085	ND	<4.2	<9.4	<47	ND	<60
S-18	3.14.25	С	0.5 to 0.8	<0.018	<0.036	<0.036	<0.073	ND	<3.6	<9.6	<48	ND	<60
S-19	3.14.25	C	0.5 to 0.8	<0.021	<0.042	<0.042	<0.084	ND	<4.2	<9.1	<46	ND	<60
S-20	3.14.25	C	0.5 to 0.8	<0.020	<0.040	<0.040	<0.080	ND	<4.0	<9.7	<49	ND	<60
S-21	3.14.25	C	0.5 to 0.8	<0.019	<0.038	<0.038	<0.077	ND	<3.8	<9.6	<48	ND	<60
S-22	3.14.25	C	0.5 to 0.8	<0.019	<0.039	<0.039	<0.077	ND	<3.9	<9.3	<47	ND	<60
S-23	3.14.25	С	0.5 to 0.8	<0.023	<0.046	<0.046	<0.093	ND	<4.6	<9.7	<48	ND	<60
S-17a	3.19.25	C	1	<0.0092	<0.018	<0.018	<0.037	ND	<1.8	<9.4	<59	ND	<59
S-24	3.19.25	C	0.5 to 0.8	<0.014	<0.028	<0.028	<0.057	ND	<2.8	10	<46	10	<60
S-25	3.19.25	C	0.5 to 0.8	<0.014	<0.029	<0.029	<0.057	ND	<2.9	38	<47	38	<60
S-26	3.19.25	C	0.5 to 0.8	<0.014	<0.029	<0.029	<0.057	ND	<2.9	16	<49	16	<60
S-27	3.19.25	C	0.5 to 0.8	<0.014	<0.028	<0.028	<0.056	ND	<2.8	15	<47	15	<61
	0.00.05			-0.045			omposite Soil \$	-	-0.0	-0.0	. 47	ND	
BF-1	3.28.25	C	BF	<0.015	<0.030	<0.030	<0.060	ND	<3.0	<9.3	<47	ND	<61

Note: Concentrations in **bold** and yellow exceed the applicable NM EMNRD Closure Criteria

 1 = Total combined concentrations are rounded to two (2) significant figures to match the laboratory resolution of the individual constituents. ND = Not Detected above the Practical Quantitation Limits (PQLs) or Reporting Limits (RLs)

NE = Not established

NS = Not sampled

mg/kg = milligrams per kilogram

BTEX = Benzene, Toluene, Ethylbenzene, and Xylenes

TPH = Total Petroleum Hydrocarbons

GRO = Gasoline Range Organics

DRO = Diesel Range Organics

MRO = Motor Oil/Lube Oil Range Organics

BF = Backfilled sample

E N S O L U M



APPENDIX G

Laboratory Data Sheets & Chain of Custody Documentation

Released to Imaging: 6/25/2025 8:07:44 AM

Received by OCD: 4/15/2025 7:55:13 AM



Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Kyle Summers Ensolum 606 S Rio Grande Suite A Aztec, New Mexico 87410 Generated 3/12/2025 5:48:34 PM

JOB DESCRIPTION

Chaco Amine Spill

JOB NUMBER

885-20755-1

FOR Immers nsolum Grande Suite A

Page 45 of 154

Eurofins Albuquerque 4901 Hawkins NE Albuquerque NM 87109





Eurofins Albuquerque

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

Authorization

Authorized for release by John Caldwell, Project Manager john.caldwell@et.eurofinsus.com (505)345-3975 Generated 3/12/2025 5:48:34 PM

Laboratory Job ID: 885-20755-1

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MDC

MDL

MPN

MQL

NC

ND

NEG POS

PQL

PRES

QC

RER RL

RPD TEF

TEQ

TNTC

ML

Page 48 of 154

	Definitions/Glossary	
Client: Ensolum Project/Site: Ch	Job ID: 885-20755-1 naco Amine Spill	
Qualifiers		3
GC Semi VOA Qualifier	Qualifier Description	
D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution may be flagged with a D.	
F1	MS and/or MSD recovery exceeds control limits.	5
HPLC/IC Qualifier	Qualifier Description	
F2	MS/MSD RPD exceeds control limits	
Glossary		
Abbreviation	These commonly used abbreviations may or may not be present in this report.	8
¢	Listed under the "D" column to designate that the result is reported on a dry weight basis	
%R	Percent Recovery	9
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)	
EDL	Estimated Detection Limit (Dioxin)	
LOD	Limit of Detection (DoD/DOE)	
LOQ	Limit of Quantitation (DoD/DOE)	
MCL	EPA recommended "Maximum Contaminant Level"	
MDA	Minimum Detectable Activity (Radiochemistry)	

Released to Imaging: 6/25/2025 8:07:44 AM

Minimum Detectable Concentration (Radiochemistry)

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

Method Detection Limit

Minimum Level (Dioxin)

Most Probable Number

Not Calculated

Negative / Absent

Positive / Present

Presumptive

Quality Control

Method Quantitation Limit

Practical Quantitation Limit

Relative Error Ratio (Radiochemistry)

Toxicity Equivalent Factor (Dioxin)

Too Numerous To Count

Toxicity Equivalent Quotient (Dioxin)

Reporting Limit or Requested Limit (Radiochemistry)

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

Case Narrative

Job ID: 885-20755-1

Job ID: 885-20755-1

Eurofins Albuquerque

Page 49 of 154

D-1

Job Narrative 885-20755-1

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 and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided 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 3/4/2025 7:15 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 0.1°C.

Gasoline Range Organics

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

GC VOA

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

Diesel Range Organics

Method 8015D_DRO: The following samples were diluted due to the nature of the sample matrix: S-12 (885-20755-12) and S-14 (885-20755-14). Elevated reporting limits (RLs) are provided.

Method 8015D_DRO: Surrogate recovery for the following sample is outside the lower control limit: (CCVRT 885-21819/2). However, target analytes recovered within expected limits, therefore any associated samples with passing surrogate have been reported.

Method 8015D_DRO: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 885-21796 and analytical batch 885-21791 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits, and surrogate recoveries were within expected 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.

Job ID: 885-20755-1

Lab Sample ID: 885-20755-1 Matrix: Solid

Date Collected: 03/03/25 09:30 Date Received: 03/04/25 07:15

Client Sample ID: S-1

Project/Site: Chaco Amine Spill

Client: Ensolum

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		3.8	mg/Kg		03/04/25 08:53	03/04/25 12:47	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		35 - 166			03/04/25 08:53	03/04/25 12:47	1
Method: SW846 8021B - Volatile	Organic Comp	ounds (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.019	mg/Kg		03/04/25 08:53	03/04/25 12:47	1
Ethylbenzene	ND		0.038	mg/Kg		03/04/25 08:53	03/04/25 12:47	1
Toluene	ND		0.038	mg/Kg		03/04/25 08:53	03/04/25 12:47	1
Xylenes, Total	ND		0.075	mg/Kg		03/04/25 08:53	03/04/25 12:47	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		48 - 145			03/04/25 08:53	03/04/25 12:47	1
		ics (DRO) (03/04/25 08:53	03/04/25 12:47	1
Method: SW846 8015M/D - Diese	I Range Organ	<mark>ics (DRO) (</mark> Qualifier		Unit	D	03/04/25 08:53 Prepared	03/04/25 12:47 Analyzed	1 Dil Fac
Method: SW846 8015M/D - Diese Analyte	I Range Organ	Qualifier	GC)	<mark>Unit</mark>	<u>D</u>			1 Dil Fac
Method: SW846 8015M/D - Diese Analyte Diesel Range Organics [C10-C28]	I Range Organ Result	Qualifier	GC) RL		<u>D</u>	Prepared	Analyzed	
Method: SW846 8015M/D - Diese Analyte Diesel Range Organics [C10-C28] Motor Oil Range Organics [C28-C40]	I Range Organ Result 83	Qualifier F1	GC) <u> RL</u> 9.7 	mg/Kg	<u>D</u>	Prepared 03/04/25 08:51	Analyzed	1
Method: SW846 8015M/D - Diese Analyte Diesel Range Organics [C10-C28] Motor Oil Range Organics [C28-C40] Surrogate	I Range Organ Result 83 ND	Qualifier F1	GC) <u>RL</u> 9.7 49	mg/Kg	<u> </u>	Prepared 03/04/25 08:51 03/04/25 08:51	Analyzed 03/04/25 10:46 03/04/25 10:46	1
Method: SW846 8015M/D - Diese Analyte Diesel Range Organics [C10-C28] Motor Oil Range Organics [C28-C40] Surrogate Di-n-octyl phthalate (Surr)	I Range Organ Result 83 ND %Recovery 104	Qualifier F1 Qualifier	GC) <u>RL</u> 9.7 49 Limits	mg/Kg	<u> </u>	Prepared 03/04/25 08:51 03/04/25 08:51 Prepared	Analyzed 03/04/25 10:46 03/04/25 10:46 Analyzed	1 1 Dil Fac
4-Bromofluorobenzene (Surr) Method: SW846 8015M/D - Diese Analyte Diesel Range Organics [C10-C28] Motor Oil Range Organics [C28-C40] Surrogate Di-n-octyl phthalate (Surr) Method: EPA 300.0 - Anions, Ion Analyte	I Range Organ Result 83 ND %Recovery 104 Chromatograp	Qualifier F1 Qualifier	GC) <u>RL</u> 9.7 49 Limits	mg/Kg	<u>D</u>	Prepared 03/04/25 08:51 03/04/25 08:51 Prepared	Analyzed 03/04/25 10:46 03/04/25 10:46 Analyzed	1 1 Dil Fac

5

Job ID: 885-20755-1

Lab Sample ID: 885-20755-2 Matrix: Solid

Date Collected: 03/03/25 09:45 Date Received: 03/04/25 07:15

Client Sample ID: S-2

Project/Site: Chaco Amine Spill

Client: Ensolum

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.1	mg/Kg		03/04/25 09:42	03/04/25 13:09	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		35 - 166			03/04/25 09:42	03/04/25 13:09	1
Method: SW846 8021B - Volatile	Organic Comp	ounds (GC))					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.021	mg/Kg		03/04/25 09:42	03/04/25 13:09	1
Ethylbenzene	ND		0.041	mg/Kg		03/04/25 09:42	03/04/25 13:09	1
Toluene	ND		0.041	mg/Kg		03/04/25 09:42	03/04/25 13:09	1
Xylenes, Total	ND		0.082	mg/Kg		03/04/25 09:42	03/04/25 13:09	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)								
	92		48 - 145			03/04/25 09:42	03/04/25 13:09	1
		ics (DRO) (03/04/25 09:42	03/04/25 13:09	1
Method: SW846 8015M/D - Diese	I Range Organ	<mark>ics (DRO) (</mark> Qualifier		Unit	D	03/04/25 09:42 Prepared	03/04/25 13:09 Analyzed	Dil Fac
Method: SW846 8015M/D - Diese Analyte	I Range Organ		GC)	<mark>Unit</mark> mg/Kg	<u>D</u>			Dil Fac
Method: SW846 8015M/D - Diese Analyte Diesel Range Organics [C10-C28]	I Range Organ Result		GC) RL		<u>D</u>	Prepared	Analyzed	
Method: SW846 8015M/D - Diese Analyte Diesel Range Organics [C10-C28] Motor Oil Range Organics [C28-C40]	I Range Organ Result	Qualifier	GC) <u>RL</u> <u>9.5</u>	mg/Kg	<u>D</u>	Prepared 03/04/25 08:51	Analyzed 03/04/25 11:18	1
Method: SW846 8015M/D - Diese Analyte Diesel Range Organics [C10-C28] Motor Oil Range Organics [C28-C40] Surrogate	el Range Organ Result 66 ND	Qualifier	GC) <u> RL</u> 9.5 47	mg/Kg	<u>D</u>	Prepared 03/04/25 08:51 03/04/25 08:51	Analyzed 03/04/25 11:18 03/04/25 11:18	1
Method: SW846 8015M/D - Diese Analyte Diesel Range Organics [C10-C28] Motor Oil Range Organics [C28-C40] Surrogate Di-n-octyl phthalate (Surr)	el Range Organ Result 66 ND %Recovery 99	Qualifier	GC) <u> RL</u> 9.5 47 Limits	mg/Kg	D	Prepared 03/04/25 08:51 03/04/25 08:51 Prepared	Analyzed 03/04/25 11:18 03/04/25 11:18 Analyzed	1
Method: SW846 8015M/D - Diese Analyte Diesel Range Organics [C10-C28] Motor Oil Range Organics [C28-C40] Surrogate Di-n-octyl phthalate (Surr) Method: EPA 300.0 - Anions, Ion Analyte	el Range Organ Result 66 ND %Recovery 99 Chromatograp	Qualifier	GC) <u> RL</u> 9.5 47 Limits	mg/Kg	D	Prepared 03/04/25 08:51 03/04/25 08:51 Prepared	Analyzed 03/04/25 11:18 03/04/25 11:18 Analyzed	1

Job IE

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Job ID: 885-20755-1

Lab Sample ID: 885-20755-3 Matrix: Solid

Date Collected: 03/03/25 10:00 Date Received: 03/04/25 07:15

Client Sample ID: S-3

Project/Site: Chaco Amine Spill

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.2	mg/Kg		03/04/25 09:42	03/04/25 13:31	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		35 - 166			03/04/25 09:42	03/04/25 13:31	1
Method: SW846 8021B - Volatile	Organic Comp	ounds (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.021	mg/Kg		03/04/25 09:42	03/04/25 13:31	1
Ethylbenzene	ND		0.042	mg/Kg		03/04/25 09:42	03/04/25 13:31	1
Toluene	ND		0.042	mg/Kg		03/04/25 09:42	03/04/25 13:31	1
Xylenes, Total	ND		0.084	mg/Kg		03/04/25 09:42	03/04/25 13:31	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		48 - 145			03/04/25 09:42	03/04/25 13:31	1
Method: SW846 8015M/D - Diese	l Range Organ	ics (DRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	780		9.4	mg/Kg		03/04/25 08:51	03/04/25 11:28	1
	ND		47	mg/Kg		03/04/25 08:51	03/04/25 11:28	1
Motor OII Range Organics [C28-C40]								
	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Surrogate		Qualifier	Limits 62 - 134			Prepared 03/04/25 08:51	Analyzed 03/04/25 11:28	Dil Fac
Surrogate Di-n-octyl phthalate (Surr)	%Recovery 103					· · · · · · · · · · · · · · · · · · ·		
Motor Oil Range Organics [C28-C40] Surrogate Di-n-octyl phthalate (Surr) Method: EPA 300.0 - Anions, Ion Analyte	%Recovery 103 Chromatograp			Unit	D	· · · · · · · · · · · · · · · · · · ·		

Job ID: 885-20755-1

Lab Sample ID: 885-20755-4 Matrix: Solid

Date Collected: 03/03/25 10:15 Date Received: 03/04/25 07:15

Client Sample ID: S-4

Project/Site: Chaco Amine Spill

Client: Ensolum

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.7	mg/Kg		03/04/25 09:42	03/04/25 13:53	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	98		35 - 166			03/04/25 09:42	03/04/25 13:53	
Method: SW846 8021B - Volatile	Organic Comp	ounds (GC))					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		03/04/25 09:42	03/04/25 13:53	
Ethylbenzene	ND		0.047	mg/Kg		03/04/25 09:42	03/04/25 13:53	
Toluene	ND		0.047	mg/Kg		03/04/25 09:42	03/04/25 13:53	
Xylenes, Total	ND		0.094	mg/Kg		03/04/25 09:42	03/04/25 13:53	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	94		48 - 145			03/04/25 09:42	03/04/25 13:53	
Method: SW846 8015M/D - Diese	el Range Organ	ics (DRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
						03/04/25 08:51	03/04/25 11:39	
Diesel Range Organics [C10-C28]	150		9.3	mg/Kg		00/01/20 00.01		
•••••	150 ND		9.3 47	mg/Kg		03/04/25 08:51	03/04/25 11:39	
Motor Oil Range Organics [C28-C40]		Qualifier		00			03/04/25 11:39 Analyzed	
Motor Oil Range Organics [C28-C40] Surrogate	ND	Qualifier	47	00		03/04/25 08:51		Dil Fa
Motor Oil Range Organics [C28-C40] Surrogate Di-n-octyl phthalate (Surr)	ND <u>%Recovery</u> 106		47 Limits	00		03/04/25 08:51 Prepared	Analyzed	Dil Fa
Diesel Range Organics [C10-C28] Motor Oil Range Organics [C28-C40] Surrogate Di-n-octyl phthalate (Surr) Method: EPA 300.0 - Anions, Ion Analyte	ND <u>%Recovery</u> 106 Chromatograp		47 Limits	00	D	03/04/25 08:51 Prepared	Analyzed	Dil Fac

Released to Imaging: 6/25/2025 8:07:44 AM

Job ID: 885-20755-1

Lab Sample ID: 885-20755-5

Date Collected: 03/03/25 10:45 Date Received: 03/04/25 07:15

Client Sample ID: S-5

Project/Site: Chaco Amine Spill

Client: Ensolum

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.2	mg/Kg		03/04/25 09:42	03/04/25 14:15	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		35 - 166			03/04/25 09:42	03/04/25 14:15	1
Method: SW846 8021B - Volatile	Organic Comp	ounds (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.021	mg/Kg		03/04/25 09:42	03/04/25 14:15	1
Ethylbenzene	ND		0.042	mg/Kg		03/04/25 09:42	03/04/25 14:15	1
Toluene	ND		0.042	mg/Kg		03/04/25 09:42	03/04/25 14:15	1
Xylenes, Total	ND		0.085	mg/Kg		03/04/25 09:42	03/04/25 14:15	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		48 - 145			03/04/25 09:42	03/04/25 14:15	1
Method: SW846 8015M/D - Diese	l Range Organ	ics (DRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
-	59		9.7	mg/Kg		03/04/25 08:51	03/04/25 11:49	1
Diesel Range Organics [C10-C28]	59 ND		9.7 48	mg/Kg mg/Kg		03/04/25 08:51 03/04/25 08:51	03/04/25 11:49 03/04/25 11:49	
Diesel Range Organics [C10-C28] Motor Oil Range Organics [C28-C40]		Qualifier		0 0				1 Dil Fac
Diesel Range Organics [C10-C28] Motor Oil Range Organics [C28-C40] Surrogate	ND	Qualifier	48	0 0		03/04/25 08:51	03/04/25 11:49	1
Diesel Range Organics [C10-C28] Motor Oil Range Organics [C28-C40] Surrogate Di-n-octyl phthalate (Surr)	ND %Recovery 100		48 Limits	0 0		03/04/25 08:51 Prepared	03/04/25 11:49 Analyzed	Dil Fac
Diesel Range Organics [C10-C28] Motor Oil Range Organics [C28-C40] Surrogate Di-n-octyl phthalate (Surr) Method: EPA 300.0 - Anions, Ion Analyte	ND <u>%Recovery</u> 100 Chromatograp		48 Limits	0 0	D	03/04/25 08:51 Prepared	03/04/25 11:49 Analyzed	Dil Fac

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Matrix: Solid

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Job ID: 885-20755-1

Lab Sample ID: 885-20755-6 Matrix: Solid

Date Collected: 03/03/25 11:15 Date Received: 03/04/25 07:15

Client Sample ID: S-6

Project/Site: Chaco Amine Spill

Client: Ensolum

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.4	mg/Kg		03/04/25 09:42	03/04/25 14:37	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	82		35 - 166			03/04/25 09:42	03/04/25 14:37	1
Method: SW846 8021B - Volatile	Organic Comp	ounds (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.022	mg/Kg		03/04/25 09:42	03/04/25 14:37	1
Ethylbenzene	ND		0.044	mg/Kg		03/04/25 09:42	03/04/25 14:37	1
Toluene	ND		0.044	mg/Kg		03/04/25 09:42	03/04/25 14:37	1
Xylenes, Total	ND		0.088	mg/Kg		03/04/25 09:42	03/04/25 14:37	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	82		48 - 145			03/04/25 09:42	03/04/25 14:37	1
ˈ Method: SW846 8015M/D - Diese	I Range Organ	ics (DRO) (GC)					
		<mark>ics (DRO) (</mark> Qualifier	GC) RL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte			· · · · · · · · · · · · · · · · · · ·	<mark>Unit</mark>	<u>D</u>	Prepared 03/04/25 08:51	Analyzed	Dil Fac
Analyte Diesel Range Organics [C10-C28]	Result				<u>D</u>	· · ·		1
Analyte Diesel Range Organics [C10-C28] Motor Oil Range Organics [C28-C40]	Result	Qualifier	RL 9.5	mg/Kg	D	03/04/25 08:51	03/04/25 12:00	
Analyte Diesel Range Organics [C10-C28] Motor Oil Range Organics [C28-C40] Surrogate	Result 110 ND	Qualifier	RL 9.5 48	mg/Kg	<u> </u>	03/04/25 08:51 03/04/25 08:51	03/04/25 12:00 03/04/25 12:00	1 Dil Fac
Analyte Diesel Range Organics [C10-C28] Motor Oil Range Organics [C28-C40] Surrogate Di-n-octyl phthalate (Surr)	Result 110 ND %Recovery 102	Qualifier Qualifier	RL 9.5 48 Limits	mg/Kg	<u>D</u>	03/04/25 08:51 03/04/25 08:51 Prepared	03/04/25 12:00 03/04/25 12:00 Analyzed	1 Dil Fac
Method: SW846 8015M/D - Diese Analyte Diesel Range Organics [C10-C28] Motor Oil Range Organics [C28-C40] Surrogate Di-n-octyl phthalate (Surr) Method: EPA 300.0 - Anions, Ion Analyte	Result 110 ND %Recovery 102 Chromatograp	Qualifier Qualifier	RL 9.5 48 Limits	mg/Kg	D	03/04/25 08:51 03/04/25 08:51 Prepared	03/04/25 12:00 03/04/25 12:00 Analyzed	

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Released to Imaging: 6/25/2025 8:07:44 AM

Job ID: 885-20755-1

Lab Sample ID: 885-20755-7 Matrix: Solid

Date Collected: 03/03/25 11:30 Date Received: 03/04/25 07:15

Client Sample ID: S-7

Project/Site: Chaco Amine Spill

Client: Ensolum

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		3.8	mg/Kg		03/04/25 08:53	03/04/25 11:08	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		35 - 166			03/04/25 08:53	03/04/25 11:08	1
Method: SW846 8021B - Volatile	Organic Comp	ounds (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.019	mg/Kg		03/04/25 08:53	03/04/25 11:08	1
Ethylbenzene	ND		0.038	mg/Kg		03/04/25 08:53	03/04/25 11:08	1
Toluene	ND		0.038	mg/Kg		03/04/25 08:53	03/04/25 11:08	1
Xylenes, Total	ND		0.076	mg/Kg		03/04/25 08:53	03/04/25 11:08	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			10 115			02/04/05 00.52		
	101		48 - 145			03/04/25 08:53	03/04/25 11:08	1
Method: SW846 8015M/D - Diese		ics (DRO) (03/04/25 08:53	03/04/25 11:08	1
Method: SW846 8015M/D - Diese	I Range Organ	<mark>ics (DRO) (</mark> Qualifier		Unit	D	03/04/25 08:53 Prepared	03/04/25 11:08 Analyzed	1 Dil Fac
Method: SW846 8015M/D - Diese Analyte	I Range Organ		GC)	Unit mg/Kg	<u>D</u>			1 1
Method: SW846 8015M/D - Diese Analyte Diesel Range Organics [C10-C28]	Range Organ Result		GC) RL		<u>D</u>	Prepared	Analyzed	
Method: SW846 8015M/D - Diese Analyte Diesel Range Organics [C10-C28] Motor Oil Range Organics [C28-C40]	I Range Organ Result 140	Qualifier	GC) <u>RL</u> <u>9.8</u>	mg/Kg	<u> </u>	Prepared 03/04/25 08:51	Analyzed	
Method: SW846 8015M/D - Diese	I Range Organ Result 140 ND	Qualifier	GC) <u>RL</u> <u>9.8</u> 49	mg/Kg	<u> </u>	Prepared 03/04/25 08:51 03/04/25 08:51	Analyzed 03/04/25 12:11 03/04/25 12:11	1
Method: SW846 8015M/D - Diese Analyte Diesel Range Organics [C10-C28] Motor Oil Range Organics [C28-C40] Surrogate Di-n-octyl phthalate (Surr)	I Range Organ Result 140 ND %Recovery 101	Qualifier	GC) RL 9.8 49 Limits	mg/Kg	D	Prepared 03/04/25 08:51 03/04/25 08:51 Prepared	Analyzed 03/04/25 12:11 03/04/25 12:11 Analyzed	1 1 <i>Dil Fac</i>
Method: SW846 8015M/D - Diese Analyte Diesel Range Organics [C10-C28] Motor Oil Range Organics [C28-C40] Surrogate	I Range Organ Result 140 ND %Recovery 101 Chromatograp	Qualifier	GC) RL 9.8 49 Limits	mg/Kg	<u>D</u>	Prepared 03/04/25 08:51 03/04/25 08:51 Prepared	Analyzed 03/04/25 12:11 03/04/25 12:11 Analyzed	1 1 <i>Dil Fac</i>

Job ID: 885-20755-1

Lab Sample ID: 885-20755-8 Matrix: Solid

Date Collected: 03/03/25 11:45 Date Received: 03/04/25 07:15

Client Sample ID: S-8

Project/Site: Chaco Amine Spill

Client: Ensolum

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		3.5	mg/Kg		03/04/25 09:47	03/04/25 11:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		35 - 166			03/04/25 09:47	03/04/25 11:32	1
Method: SW846 8021B - Volatile	Organic Comp	ounds (GC))					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.018	mg/Kg		03/04/25 09:47	03/04/25 11:32	1
Ethylbenzene	ND		0.035	mg/Kg		03/04/25 09:47	03/04/25 11:32	1
Toluene	ND		0.035	mg/Kg		03/04/25 09:47	03/04/25 11:32	1
Xylenes, Total	ND		0.070	mg/Kg		03/04/25 09:47	03/04/25 11:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
						00/04/05 00 47		
4-Bromofluorobenzene (Surr)	101		48 - 145			03/04/25 09:47	03/04/25 11:32	1
		ics (DRO) (03/04/25 09:47	03/04/25 11:32	1
Method: SW846 8015M/D - Diese	I Range Organ	<mark>ics (DRO) ((</mark> Qualifier		Unit	D	03/04/25 09:47 Prepared	03/04/25 11:32 Analyzed	
Method: SW846 8015M/D - Diese Analyte	I Range Organ		GC)	<mark>Unit</mark> mg/Kg	<u>D</u>			
Method: SW846 8015M/D - Diese Analyte Diesel Range Organics [C10-C28]	I Range Organ Result		GC) RL		<u>D</u>	Prepared	Analyzed	Dil Fac
Method: SW846 8015M/D - Diese Analyte Diesel Range Organics [C10-C28] Motor Oil Range Organics [C28-C40]	I Range Organ Result 130	Qualifier	GC)	mg/Kg	<u>D</u>	Prepared 03/04/25 08:51	Analyzed 03/04/25 12:21	Dil Fac
Method: SW846 8015M/D - Diese Analyte Diesel Range Organics [C10-C28] Motor Oil Range Organics [C28-C40] Surrogate	I Range Organ Result 130 ND	Qualifier	GC) <u> RL</u> 9.8 49	mg/Kg	<u> </u>	Prepared 03/04/25 08:51 03/04/25 08:51	Analyzed 03/04/25 12:21 03/04/25 12:21	Dil Fac 1 1 Dil Fac
Method: SW846 8015M/D - Diese Analyte Diesel Range Organics [C10-C28] Motor Oil Range Organics [C28-C40] Surrogate Di-n-octyl phthalate (Surr)	I Range Organ Result 130 ND %Recovery 106	Qualifier	GC) <u>RL</u> 9.8 49 Limits	mg/Kg	<u> </u>	Prepared 03/04/25 08:51 03/04/25 08:51 Prepared	Analyzed 03/04/25 12:21 03/04/25 12:21 Analyzed	Dil Fac
4-Bromofluorobenzene (Surr) Method: SW846 8015M/D - Diese Analyte Diesel Range Organics [C10-C28] Motor Oil Range Organics [C28-C40] Surrogate Di-n-octyl phthalate (Surr) Method: EPA 300.0 - Anions, Ion Analyte	I Range Organ Result 130 ND %Recovery 106 Chromatograp	Qualifier	GC) <u>RL</u> 9.8 49 Limits	mg/Kg	D	Prepared 03/04/25 08:51 03/04/25 08:51 Prepared	Analyzed 03/04/25 12:21 03/04/25 12:21 Analyzed	Dil Fac 1 1 Dil Fac

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Lab Sample ID: 885-20755-9 Matrix: Solid

Date Collected: 03/03/25 12:00 Date Received: 03/04/25 07:15

Client Sample ID: S-9

Project/Site: Chaco Amine Spill

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.2	mg/Kg		03/04/25 09:47	03/04/25 11:56	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		35 - 166			03/04/25 09:47	03/04/25 11:56	1
Method: SW846 8021B - Volatile	Organic Comp	ounds (GC))					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.021	mg/Kg		03/04/25 09:47	03/04/25 11:56	1
Ethylbenzene	ND		0.042	mg/Kg		03/04/25 09:47	03/04/25 11:56	1
Toluene	ND		0.042	mg/Kg		03/04/25 09:47	03/04/25 11:56	1
Xylenes, Total	ND		0.083	mg/Kg		03/04/25 09:47	03/04/25 11:56	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)								
	96		48 - 145			03/04/25 09:47	03/04/25 11:56	1
		ics (DRO) (03/04/25 09:47	03/04/25 11:56	1
Method: SW846 8015M/D - Diese	el Range Organ	<mark>ics (DRO) (</mark> Qualifier		Unit	D	03/04/25 09:47 Prepared	03/04/25 11:56 Analyzed	1 Dil Fac
Method: SW846 8015M/D - Diese Analyte	el Range Organ		GC)	<mark>Unit</mark> mg/Kg	<u>D</u>			1 Dil Fac
Method: SW846 8015M/D - Diese Analyte Diesel Range Organics [C10-C28]	el Range Organ Result		GC) RL		<u>D</u>	Prepared	Analyzed	1
Method: SW846 8015M/D - Diese Analyte Diesel Range Organics [C10-C28] Motor Oil Range Organics [C28-C40]	el Range Organ Result 17	Qualifier	GC)	mg/Kg	<u>D</u>	Prepared 03/04/25 08:51	Analyzed	1
Method: SW846 8015M/D - Diese Analyte Diesel Range Organics [C10-C28] Motor Oil Range Organics [C28-C40] Surrogate	el Range Organ Result 17 ND	Qualifier	GC) <u> RL</u> 9.9 49	mg/Kg	<u>D</u>	Prepared 03/04/25 08:51 03/04/25 08:51	Analyzed 03/04/25 12:32 03/04/25 12:32	1 1 Dil Fac
Method: SW846 8015M/D - Diese Analyte Diesel Range Organics [C10-C28] Motor Oil Range Organics [C28-C40] Surrogate Di-n-octyl phthalate (Surr)	el Range Organ Result 17 ND %Recovery 109	Qualifier	GC) <u>RL</u> 9.9 49 Limits	mg/Kg	D	Prepared 03/04/25 08:51 03/04/25 08:51 Prepared	Analyzed 03/04/25 12:32 03/04/25 12:32 Analyzed	1 1 Dil Fac
Method: SW846 8015M/D - Diese Analyte Diesel Range Organics [C10-C28] Motor Oil Range Organics [C28-C40] Surrogate Di-n-octyl phthalate (Surr) Method: EPA 300.0 - Anions, Ion Analyte	el Range Organ Result 17 ND %Recovery 109 Chromatograp	Qualifier	GC) <u>RL</u> 9.9 49 Limits	mg/Kg	D	Prepared 03/04/25 08:51 03/04/25 08:51 Prepared	Analyzed 03/04/25 12:32 03/04/25 12:32 Analyzed	1

5

Job ID: 885-20755-1

Lab Sample ID: 885-20755-10 Matrix: Solid

Client Sample ID: S-10 Date Collected: 03/03/25 12:15 Date Received: 03/04/25 07:15

Project/Site: Chaco Amine Spill

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		6.3	mg/Kg		03/04/25 09:47	03/04/25 12:19	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		35 - 166			03/04/25 09:47	03/04/25 12:19	1
Method: SW846 8021B - Volatile	Organic Comp	ounds (GC))					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.031	mg/Kg		03/04/25 09:47	03/04/25 12:19	1
Ethylbenzene	ND		0.063	mg/Kg		03/04/25 09:47	03/04/25 12:19	1
Toluene	ND		0.063	mg/Kg		03/04/25 09:47	03/04/25 12:19	1
Xylenes, Total	ND		0.13	mg/Kg		03/04/25 09:47	03/04/25 12:19	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		48 - 145			03/04/25 09:47	03/04/25 12:19	1
Method: SW846 8015M/D - Diese	l Range Organ	ics (DRO) (GC)					
Analyte		Qualifier	, RL	Unit	D	Prepared	Analyzed	Dil Fac
•	240		9.5	mg/Kg		03/04/25 08:51	03/04/25 12:43	1
Diesel Range Organics [C10-C28]			9.5	mg/Kg mg/Kg		03/04/25 08:51 03/04/25 08:51	03/04/25 12:43 03/04/25 12:43	1
Diesel Range Organics [C10-C28] Motor Oil Range Organics [C28-C40]	240	Qualifier		0 0				1 1 Dil Fac
Diesel Range Organics [C10-C28] Motor Oil Range Organics [C28-C40] Surrogate	240 ND	Qualifier	47	0 0		03/04/25 08:51	03/04/25 12:43	1
Diesel Range Organics [C10-C28] Motor Oil Range Organics [C28-C40] Surrogate Di-n-octyl phthalate (Surr)	240 ND %Recovery 104		47 Limits	0 0		03/04/25 08:51 Prepared	03/04/25 12:43 Analyzed	1 Dil Fac
Diesel Range Organics [C10-C28] Motor Oil Range Organics [C28-C40] Surrogate Di-n-octyl phthalate (Surr) Method: EPA 300.0 - Anions, Ion Analyte	240 ND %Recovery 104 Chromatograp		47 Limits	0 0	D	03/04/25 08:51 Prepared	03/04/25 12:43 Analyzed	1 Dil Fac

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Job ID: 885-20755-1

Lab Sample ID: 885-20755-11 Matrix: Solid

Date Collected: 03/03/25 12:30 Date Received: 03/04/25 07:15

Client Sample ID: S-11

Project/Site: Chaco Amine Spill

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		3.8	mg/Kg		03/04/25 09:47	03/04/25 12:43	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		35 - 166			03/04/25 09:47	03/04/25 12:43	1
Method: SW846 8021B - Volatile	Organic Comp	ounds (GC))					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.019	mg/Kg		03/04/25 09:47	03/04/25 12:43	1
Ethylbenzene	ND		0.038	mg/Kg		03/04/25 09:47	03/04/25 12:43	1
Toluene	ND		0.038	mg/Kg		03/04/25 09:47	03/04/25 12:43	1
Xylenes, Total	ND		0.075	mg/Kg		03/04/25 09:47	03/04/25 12:43	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		48 - 145			03/04/25 09:47	03/04/25 12:43	1
Method: SW846 8015M/D - Diese	I Range Organ	ics (DRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	350		9.6	mg/Kg		03/04/25 08:51	03/04/25 10:52	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		03/04/25 08:51	03/04/25 10:52	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	99		62 - 134			03/04/25 08:51	03/04/25 10:52	1
Method: EPA 300.0 - Anions, Ion	Chromatogran	ohv						
Welliou. EPA 300.0 - Allions, Ion	e in e in a co gi a p							
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac

5

Job ID: 885-20755-1

Lab Sample ID: 885-20755-12 Matrix: Solid

Date Collected: 03/03/25 13:15 Date Received: 03/04/25 07:15

Client Sample ID: S-12

Project/Site: Chaco Amine Spill

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.0	mg/Kg		03/04/25 09:47	03/04/25 13:07	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		35 - 166			03/04/25 09:47	03/04/25 13:07	1
Method: SW846 8021B - Volatile	Organic Comp	ounds (GC)	l.					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.020	mg/Kg		03/04/25 09:47	03/04/25 13:07	1
Ethylbenzene	ND		0.040	mg/Kg		03/04/25 09:47	03/04/25 13:07	1
Toluene	ND		0.040	mg/Kg		03/04/25 09:47	03/04/25 13:07	1
Xylenes, Total	ND		0.080	mg/Kg		03/04/25 09:47	03/04/25 13:07	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		48 - 145			03/04/25 09:47	03/04/25 13:07	1
Method: SW846 8015M/D - Diese	l Range Organ	ics (DRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	290		19	mg/Kg		03/04/25 08:51	03/04/25 11:15	2
Motor Oil Range Organics [C28-C40]	ND	D	94	mg/Kg		03/04/25 08:51	03/04/25 11:15	2
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	101		62 - 134			03/04/25 08:51	03/04/25 11:15	2
Brin octyr philiaiaice (Ouri)								
	Chromatograp	ohy						
Method: EPA 300.0 - Anions, Ion Analyte		o <mark>hy</mark> Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac

Job ID: 885-20755-1

Lab Sample ID: 885-20755-13

Client Sample ID: S-13 Date Collected: 03/03/25 13:30 Date Received: 03/04/25 07:15

Project/Site: Chaco Amine Spill

Client: Ensolum

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		3.8	mg/Kg		03/04/25 09:47	03/04/25 13:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		35 - 166			03/04/25 09:47	03/04/25 13:32	1
Method: SW846 8021B - Volatile	Organic Comp	ounds (GC))					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.019	mg/Kg		03/04/25 09:47	03/04/25 13:32	1
Ethylbenzene	ND		0.038	mg/Kg		03/04/25 09:47	03/04/25 13:32	1
Toluene	ND		0.038	mg/Kg		03/04/25 09:47	03/04/25 13:32	1
Xylenes, Total	ND		0.077	mg/Kg		03/04/25 09:47	03/04/25 13:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		48 - 145			03/04/25 09:47	03/04/25 13:32	1
Method: SW846 8015M/D - Diese	l Range Organ	ics (DRO) (GC)					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	12		9.6	mg/Kg		03/04/25 08:51	03/04/25 11:39	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		03/04/25 08:51	03/04/25 11:39	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
e an e gate			60 404			03/04/25 08:51	03/04/25 11:39	
•	87		62 - 134			00/04/20 00.01	00/04/20 11:00	
Di-n-octyl phthalate (Surr)		bhy	62 - 134			00,04,20,00.07	00,04,20 11.00	
Di-n-octyl phthalate (Surr) Method: EPA 300.0 - Anions, Ion Analyte	Chromatograp	ohy Qualifier	62 - 134 RL	Unit	D	Prepared	Analyzed	Dil Fac

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Matrix: Solid

Job ID: 885-20755-1

Lab Sample ID: 885-20755-14 Matrix: Solid

Client Sample ID: S-14 Date Collected: 03/03/25 13:45 Date Received: 03/04/25 07:15

Project/Site: Chaco Amine Spill

Client: Ensolum

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.0	mg/Kg		03/04/25 09:47	03/04/25 13:56	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		35 - 166			03/04/25 09:47	03/04/25 13:56	1
Method: SW846 8021B - Volatile	Organic Comp	ounds (GC))					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.020	mg/Kg		03/04/25 09:47	03/04/25 13:56	1
Ethylbenzene	ND		0.040	mg/Kg		03/04/25 09:47	03/04/25 13:56	1
Toluene	ND		0.040	mg/Kg		03/04/25 09:47	03/04/25 13:56	1
Xylenes, Total	ND		0.079	mg/Kg		03/04/25 09:47	03/04/25 13:56	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		48 - 145			03/04/25 09:47	03/04/25 13:56	1
Method: SW846 8015M/D - Diese	Range Organ	ics (DRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	120		20	mg/Kg		03/04/25 08:51	03/04/25 12:02	2
Motor Oil Range Organics [C28-C40]	ND	D	99	mg/Kg		03/04/25 08:51	03/04/25 12:02	2
	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Surrogate						03/04/25 08:51	03/04/25 12:02	2
•	91		62 - 134			03/04/23 00.31	03/04/23 12.02	2
Di-n-octyl phthalate (Surr)		ohy	62 - 134			03/04/23 00.31	03/04/23 12.02	2
Surrogate Di-n-octyl phthalate (Surr) Method: EPA 300.0 - Anions, Ion Analyte	Chromatograp	o <mark>hy</mark> Qualifier	62 - 134 RL	Unit	D	Prepared	Analyzed	2 Dil Fac

Released to Imaging: 6/25/2025 8:07:44 AM

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Job ID: 885-20755-1

Client: Ensolum Project/Site: Chaco Amine Spill

Method: 8015M/D - Gasoline Range Organics (GRO) (GC)

Lab Sample ID: MB 885-21797/1	-A										Client Sa	ample ID: Met	hod	Blanl
Matrix: Solid												Prep Type	: To	tal/N/
Analysis Batch: 21828												Prep Bat	ch:	2179
		МΒ	MB											
Analyte	R	esult	Qualifier		RL		U	nit	D	P	repared	Analyzed		Dil Fa
Gasoline Range Organics [C6 - C10]		ND			5.0		m	g/Kg		03/0	4/25 08:53	03/04/25 12:25	5	
		ΜВ	МВ											
Surrogate	%Reco		Qualifier	Lim	its					P	repared	Analyzed		Dil Fa
4-Bromofluorobenzene (Surr)		99								-	4/25 08:53	03/04/25 12:25	5	
Lab Sample ID: LCS 885-21797/2	Z-A									lien	Sample	ID: Lab Contr		
Matrix: Solid												Prep Type		
Analysis Batch: 21828				Spike		1.00	LCS					Prep Bat %Rec	cn:	21/9
Analyta				Spike Added				r Unit			%Rec	Limits		
Analyte				25.0		24.9	Qualifie	mg/K	~	_ <u>D</u>	99	70 - 130		
Gasoline Range Organics [C6 - C10]				25.0		24.9		mg/K	y		99	70 - 130		
	LCS	LCS												
Surrogate	%Recovery			Limits										
4-Bromofluorobenzene (Surr)	197			35 - 166										
-														
Lab Sample ID: 885-20755-1 MS												Client Sam	ole II	D: S-
Matrix: Solid												Prep Type	: To	tal/N
Analysis Batch: 21828												Prep Bat	ch:	2179
	Sample	Sam	ple	Spike		MS	MS					%Rec		
Analyte	Result	Qua	lifier	Added		Result	Qualifie	r Unit		D	%Rec	Limits		
Gasoline Range Organics [C6 - C10]	ND			18.8		17.5		mg/K	g		93	70 - 130		
	MS	мs												
Surrogate	%Recovery	Qua	lifier	Limits										
4-Bromofluorobenzene (Surr)	175			35 - 166										
Lab Sample ID: 885-20755-1 MS	n											Client Sam		⊳ ∙ s
Matrix: Solid												Prep Type		
Analysis Batch: 21828												Prep Bat		
Analysis Datch. 21020	Sample	Sam	nlo	Spike		MSD	MSD					%Rec	CII.	RP
Analyte	Result			Added			Qualifie	r Unit		п	%Rec		PD	Lim
Gasoline Range Organics [C6 -	ND	Qua		18.8		17.2	Quanne	mg/K	n		92	70 - 130	1	2
C10]	ND			10.0		17.2		mg/re	9		52	70 - 100	1	2
	MSD	MSE)											
Surrogate	%Recovery			Limits										
4-Bromofluorobenzene (Surr)	176			35 - 166										
														DISC
Lab Sample ID: MB 885-21798/1	- A										Client Sa	ample ID: Met		
Matrix: Solid												Prep Type		
Analysis Batch: 21800			MD									Prep Bat	cn:	2179
Australia	-		MB						-	-				D '' -
Analyte	R		Qualifier		RL			nit n/// n	_ D		repared	Analyzed		Dil Fa
					5.0		m	g/Kg		03/0	4/25 08:53	03/04/25 10:44	ł	
Gasoline Range Organics [C6 - C10]		ND			0.0			ynty		00/0		00/01/201011		
Gasoline Range Organics [C6 - C10]			МВ		0.0			y/Ng		00/0				

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Job ID: 885-20755-1

Client: Ensolum Project/Site: Chaco Amine Spill

Method: 8015M/D - Gasoline Range Organics (GRO) (GC) (Continued)

Lab Sample ID: LCS 885-2179	8/2-A						Client	Sample	ID: Lab Co	ontrol Sa	ample
Matrix: Solid									Prep 1	Type: Tot	tal/NA
Analysis Batch: 21800									Prep	Batch:	21798
			Spike	LCS	LCS				%Rec		
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics [C6 -			25.0	26.3		mg/Kg		105	70 - 130		
C10]											
	LCS	LCS									
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	190		35 - 166								
Lab Sample ID: 885-20755-7 M	NS								Client S	ample II	D: S-7
Matrix: Solid									Prep 1	Type: Tot	tal/NA
Analysis Batch: 21800									Prep	Batch:	21798
	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics [C6 -	ND		18.9	21.4		mg/Kg		113	70 - 130		
C10]											
	MS	MS									
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	195		35 - 166								
Lab Sample ID: 885-20755-7 M	ISD								Client S	ample II	D: S-7
Matrix: Solid									Prep 1	Type: Tot	tal/NA
Analysis Batch: 21800									Prep	Batch:	21798
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limi
Gasoline Range Organics [C6 -	ND		18.9	20.4		mg/Kg		108	70 - 130	5	20
C10]											
	MSD	MSD									
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	195		35 - 166								

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 885-21797 Matrix: Solid Analysis Batch: 21829						Client Sa	mple ID: Metho Prep Type: 1 Prep Batch	Total/NA
Analyte		MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
		Quaimer						
Benzene	ND		0.00050	mg/Kg		03/04/25 08:53	03/04/25 12:25	1
Ethylbenzene	ND		0.0010	mg/Kg		03/04/25 08:53	03/04/25 12:25	1
Toluene	ND		0.0010	mg/Kg		03/04/25 08:53	03/04/25 12:25	1
Xylenes, Total	ND		0.0020	mg/Kg		03/04/25 08:53	03/04/25 12:25	1
	МВ	МВ						
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		48 - 145			03/04/25 08:53	03/04/25 12:25	1

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Client: Ensolum Project/Site: Chaco Amine Spill

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

_			,,,								
Lab Sample ID: LCS 885-21	797/3-A						C	lient	Sample	D: Lab Contro	
Matrix: Solid										Prep Type:	
Analysis Batch: 21829										Prep Bato	h: 2179
			Spike		LCS			_		%Rec	
Analyte			Added		Qualifier	Unit		_ <u>D</u>	%Rec	Limits	
Benzene			1.00	0.873		mg/Kg			87	70 - 130	
Ethylbenzene			1.00	0.874		mg/Kg			87	70 - 130	
Toluene			1.00	0.884		mg/Kg			88	70 _ 130	
Xylenes, Total			3.00	2.64		mg/Kg			88	70 - 130	
	LCS	LCS									
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	91		48 - 145								
Lab Sample ID: 885-20755-2	MS									Client Sampl	le ID: S-2
Matrix: Solid										Prep Type:	
Analysis Batch: 21829										Prep Bato	
······ , ······························	Sample	Sample	Spike	MS	MS					%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit		D	%Rec	Limits	
Benzene	ND	·	0.822	0.689		mg/Kg			84	70 - 130	
Ethylbenzene	ND		0.822	0.697		mg/Kg			85	70 - 130	
Toluene	ND		0.822	0.696		mg/Kg			85	70 - 130	
Xylenes, Total	ND		2.47	2.10		mg/Kg			85	70 - 130	
	MS	MS									
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	84		48 - 145								
Lab Sample ID: 885-20755-2 Matrix: Solid Analysis Batch: 21829										Client Sampl Prep Type: Prep Bato	Total/NA h: 21797
		Sample	Spike		MSD			_		%Rec	RPD
Analyte		Qualifier	Added		Qualifier	Unit		_ <u>D</u>	%Rec	Limits RP	
Benzene	ND		0.822	0.687		mg/Kg			84	70 - 130	0 20
Ethylbenzene	ND		0.822	0.696		mg/Kg			85	70 - 130	0 20
Toluene Xylenes, Total	ND ND		0.822 2.47	0.687 2.10		mg/Kg mg/Kg			84 85	70 - 130 70 - 130	1 20 0 20
Ayienes, iotai			2.47	2.10		iiig/itg			00	10 - 100	0 20
•	MSD										
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	83		48 - 145								
Lab Sample ID: MB 885-217	98/1-A								Client Sa	mple ID: Meth	od Blank
Matrix: Solid										Prep Type:	Total/NA
Analysis Batch: 21801										Prep Bato	h: 21798
-		MB MB									
Analyte	R	esult Qualifier	RL		Unit		D	Ρ	repared	Analyzed	Dil Fac
Benzene		ND	0.025		mg/k	ίg	_	03/0	4/25 08:53	03/04/25 10:44	1
Ethylbenzene		ND	0.050		mg/K	ίg		03/0	4/25 08:53	03/04/25 10:44	1
Toluene		ND	0.050		mg/K	ίg		03/0	4/25 08:53	03/04/25 10:44	1
Xylenes, Total		ND	0.10		mg/k	ζg		03/0	4/25 08:53	03/04/25 10:44	1
		MB MB									
Surrogate	%Reco		Limits					Р	repared	Analyzed	Dil Fac

4-Bromofluorobenzene (Surr)

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03/04/25 10:44

03/04/25 08:53

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Job ID: 885-20755-1

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Client: Ensolum Project/Site: Chaco Amine Spill

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

Lab Sample ID: LCS 885-21798/3 Materice Solid	3-A						CI	ient	Sample	ID: Lab Con		
Matrix: Solid										Prep Typ		
Analysis Batch: 21801			Spike	1.09	LCS					Prep B %Rec	atch:	2179
Analyte			Added		Qualifier	Unit		D	%Rec	Limits		
Benzene				1.10	Quaimer	mg/Kg		<u> </u>	110	70 - 130		
Ethylbenzene			1.00	1.10		mg/Kg			108	70 - 130		
Toluene			1.00	1.03		mg/Kg			108	70 - 130		
									104	70 - 130 70 - 130		
Xylenes, Total			3.00	3.21		mg/Kg			107	70 - 130		
	LCS	LCS										
Surrogate	%Recovery	Qualifier	Limits									
4-Bromofluorobenzene (Surr)	102		48 - 145									
Lab Sample ID: 885-20755-8 MS										Client Sar	nnle l	D: S-
Matrix: Solid										Prep Typ		
Analysis Batch: 21801										Prep B		
Analysis Batch. 21001	Sample	Sample	Spike	MS	MS					%Rec	aton.	2115
Analyte		Qualifier	Added	Result		Unit		D	%Rec	Limits		
Benzene	ND		0.702	0.721	Quanner	mg/Kg		<u> </u>	103	70 - 130		
Ethylbenzene	ND		0.702	0.729		mg/Kg			100	70 - 130		
Toluene	ND		0.702	0.706		mg/Kg			104	70 - 130		
Xylenes, Total	ND		2.11	2.08		mg/Kg			99	70 - 130		
			2.11	2.00		mg/rtg			00	101100		
0	MS	MS	1									
Surrogate 4-Bromofluorobenzene (Surr)	%Recovery 101	Qualifier	Limits 48 - 145									
	_									0		
Lab Sample ID: 885-20755-8 MSI										Client Sar		
Matrix: Solid										Prep Typ		
Analysis Batch: 21801	0	0	0		MOD					Prep B	atcn:	
A		Sample	Spike	MSD	MSD	11		-	0/ D	%Rec		RPI
Analyte Benzene	Result	Qualifier	Added	Result 0.690	Qualifier	Unit		D	98	Limits	RPD 4	Limi
	ND ND		0.702	0.090		mg/Kg			98 102	70 - 130 70 - 130	4	2 2
Ethylbenzene						mg/Kg				70 - 130 70 - 130		
Toluene	ND		0.702	0.671		mg/Kg			96		5	20
Xylenes, Total	ND		2.11	2.02		mg/Kg			96	70 - 130	3	20
	MSD	MSD										
Surrogate	%Recovery	Qualifier	Limits									
4-Bromofluorobenzene (Surr)	101		48 - 145									
athed 2045M/D Discol D												
ethod: 8015M/D - Diesel Ra	ange Org	anics (DRC	J) (GC)									
Lab Sample ID: MB 885-21796/1-	A								Client Sa	mple ID: Me	ethod	Blan
Matrix: Solid										Prep Typ		
Analysis Batch: 21791										Prep B		
		MB MB										
Analyte	R	esult Qualifier		RL	Unit		D	Pr	repared	Analyzed		Dil Fa
Diesel Range Organics [C10-C28]		ND		10	mg/K	g			4/25 08:51	03/04/25 10:		
Motor Oil Range Organics [C28-C40]		ND		50	mg/K	g		03/04	4/25 08:51	03/04/25 10:	25	
Motor Oil Range Organics [C28-C40]		ND		50	mg/K	g		03/04	4/25 08:51	03/04/25 10:	:25	
Motor Oil Range Organics [C28-C40]		ND MB MB		50	mg/K	g		03/04	4/25 08:51	03/04/25 10:	25	

Prepared

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Job ID: 885-20755-1

Surrogate

Di-n-octyl phthalate (Surr)

Limits

62 - 134

%Recovery Qualifier

100

Dil Fac

Job ID: 885-20755-1

Client: Ensolum Project/Site: Chaco Amine Spill

Method: 8015M/D - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 885-21796	6/2-A						Client	Sample	ID: Lab Co	ontrol Sa	ample
Matrix: Solid									Prep T	ype: To	tal/NA
Analysis Batch: 21791										Batch:	
			Spike	LCS	LCS				%Rec		
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits		
Diesel Range Organics			50.0	50.5		mg/Kg		101	60 - 135		
[C10-C28]											
	LCS	LCS									
Surrogate	%Recovery	Qualifier	Limits								
Di-n-octyl phthalate (Surr)	83		62 - 134								
Lab Sample ID: 885-20755-1 M	S								Client S	ample I	D: S-1
Matrix: Solid									Prep T	ype: To	tal/NA
Analysis Batch: 21791									Prep	Batch:	21796
-	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Diesel Range Organics	83	F1	47.6	88.8	F1	mg/Kg		12	44 - 136		
[C10-C28]											
	MS	MS									
Surrogate	%Recovery	Qualifier	Limits								
Di-n-octyl phthalate (Surr)	91		62 - 134								
Lab Sample ID: 885-20755-1 M	SD								Client S	ample I	D: S-1
Matrix: Solid									Prep T	ype: To	tal/NA
Analysis Batch: 21791									Prep	Batch:	21796
-	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limi
Diesel Range Organics	83	F1	48.1	88.4	F1	mg/Kg		12	44 - 136	0	32
[C10-C28]											
	MSD	MSD									
Surrogate	%Recovery	Qualifier	Limits								
Di-n-octyl phthalate (Surr)	90		62 - 134								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-21818/1-A Matrix: Solid Analysis Batch: 21826	мв	мв							Client S	ample ID: Meth Prep Type: Prep Bato	Total/NA
Analyte		Qualifier		RL		Unit		D	Prepared	Analyzed	Dil Fac
Chloride	ND			3.0		mg/K	g	03	/04/25 10:18	03/04/25 11:32	1
Lab Sample ID: LCS 885-21818/2-A								Clier	nt Sample	ID: Lab Contro	I Sample
Matrix: Solid										Prep Type:	Total/NA
Analysis Batch: 21826										Prep Bato	h: 21818
			Spike		LCS	LCS				%Rec	
Analyte			Added	I	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride			30.0		29.8		mg/Kg		99	90 - 110	

Client: Ensolum Project/Site: Chaco Amine Spill Page 69 of 154

GC VOA

Prep Batch: 21797

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
885-20755-1	S-1	Total/NA	Solid	5035	
885-20755-2	S-2	Total/NA	Solid	5035	
885-20755-3	S-3	Total/NA	Solid	5035	
885-20755-4	S-4	Total/NA	Solid	5035	
885-20755-5	S-5	Total/NA	Solid	5035	
885-20755-6	S-6	Total/NA	Solid	5035	
MB 885-21797/1-A	Method Blank	Total/NA	Solid	5035	
LCS 885-21797/2-A	Lab Control Sample	Total/NA	Solid	5035	
LCS 885-21797/3-A	Lab Control Sample	Total/NA	Solid	5035	
885-20755-1 MS	S-1	Total/NA	Solid	5035	
885-20755-1 MSD	S-1	Total/NA	Solid	5035	
885-20755-2 MS	S-2	Total/NA	Solid	5035	
885-20755-2 MSD	S-2	Total/NA	Solid	5035	

Prep Batch: 21798

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
885-20755-7	S-7	Total/NA	Solid	5035	
885-20755-8	S-8	Total/NA	Solid	5035	
885-20755-9	S-9	Total/NA	Solid	5035	
885-20755-10	S-10	Total/NA	Solid	5035	
885-20755-11	S-11	Total/NA	Solid	5035	
885-20755-12	S-12	Total/NA	Solid	5035	
885-20755-13	S-13	Total/NA	Solid	5035	
885-20755-14	S-14	Total/NA	Solid	5035	
MB 885-21798/1-A	Method Blank	Total/NA	Solid	5035	
LCS 885-21798/2-A	Lab Control Sample	Total/NA	Solid	5035	
LCS 885-21798/3-A	Lab Control Sample	Total/NA	Solid	5035	
885-20755-7 MS	S-7	Total/NA	Solid	5035	
885-20755-7 MSD	S-7	Total/NA	Solid	5035	
885-20755-8 MS	S-8	Total/NA	Solid	5035	
885-20755-8 MSD	S-8	Total/NA	Solid	5035	

Analysis Batch: 21800

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-20755-7	S-7	Total/NA	Solid	8015M/D	21798
885-20755-8	S-8	Total/NA	Solid	8015M/D	21798
885-20755-9	S-9	Total/NA	Solid	8015M/D	21798
885-20755-10	S-10	Total/NA	Solid	8015M/D	21798
885-20755-11	S-11	Total/NA	Solid	8015M/D	21798
885-20755-12	S-12	Total/NA	Solid	8015M/D	21798
885-20755-13	S-13	Total/NA	Solid	8015M/D	21798
885-20755-14	S-14	Total/NA	Solid	8015M/D	21798
MB 885-21798/1-A	Method Blank	Total/NA	Solid	8015M/D	21798
LCS 885-21798/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	21798
885-20755-7 MS	S-7	Total/NA	Solid	8015M/D	21798
885-20755-7 MSD	S-7	Total/NA	Solid	8015M/D	21798

Analysis Batch: 21801

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
885-20755-7	<u>S-7</u>	Total/NA	Solid	8021B	21798
885-20755-8	S-8	Total/NA	Solid	8021B	21798

Eurofins Albuquerque

Client: Ensolum Project/Site: Chaco Amine Spill

GC VOA (Continued)

Analysis Batch: 21801 (Continued)

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
885-20755-9	S-9	Total/NA	Solid	8021B	21798
885-20755-10	S-10	Total/NA	Solid	8021B	21798
885-20755-11	S-11	Total/NA	Solid	8021B	21798
885-20755-12	S-12	Total/NA	Solid	8021B	21798
885-20755-13	S-13	Total/NA	Solid	8021B	21798
885-20755-14	S-14	Total/NA	Solid	8021B	21798
MB 885-21798/1-A	Method Blank	Total/NA	Solid	8021B	21798
LCS 885-21798/3-A	Lab Control Sample	Total/NA	Solid	8021B	21798
885-20755-8 MS	S-8	Total/NA	Solid	8021B	21798
885-20755-8 MSD	S-8	Total/NA	Solid	8021B	21798

Analysis Batch: 21828

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-20755-1	S-1	Total/NA	Solid	8015M/D	21797
885-20755-2	S-2	Total/NA	Solid	8015M/D	21797
885-20755-3	S-3	Total/NA	Solid	8015M/D	21797
885-20755-4	S-4	Total/NA	Solid	8015M/D	21797
885-20755-5	S-5	Total/NA	Solid	8015M/D	21797
885-20755-6	S-6	Total/NA	Solid	8015M/D	21797
MB 885-21797/1-A	Method Blank	Total/NA	Solid	8015M/D	21797
LCS 885-21797/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	21797
885-20755-1 MS	S-1	Total/NA	Solid	8015M/D	21797
885-20755-1 MSD	S-1	Total/NA	Solid	8015M/D	21797

Analysis Batch: 21829

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-20755-1	S-1	Total/NA	Solid	8021B	21797
885-20755-2	S-2	Total/NA	Solid	8021B	21797
885-20755-3	S-3	Total/NA	Solid	8021B	21797
885-20755-4	S-4	Total/NA	Solid	8021B	21797
885-20755-5	S-5	Total/NA	Solid	8021B	21797
885-20755-6	S-6	Total/NA	Solid	8021B	21797
MB 885-21797/1-A	Method Blank	Total/NA	Solid	8021B	21797
LCS 885-21797/3-A	Lab Control Sample	Total/NA	Solid	8021B	21797
885-20755-2 MS	S-2	Total/NA	Solid	8021B	21797
885-20755-2 MSD	S-2	Total/NA	Solid	8021B	21797

GC Semi VOA

Analysis Batch: 21791

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
885-20755-1	S-1	Total/NA	Solid	8015M/D	21796
885-20755-2	S-2	Total/NA	Solid	8015M/D	21796
885-20755-3	S-3	Total/NA	Solid	8015M/D	21796
885-20755-4	S-4	Total/NA	Solid	8015M/D	21796
885-20755-5	S-5	Total/NA	Solid	8015M/D	21796
885-20755-6	S-6	Total/NA	Solid	8015M/D	21796
885-20755-7	S-7	Total/NA	Solid	8015M/D	21796
885-20755-8	S-8	Total/NA	Solid	8015M/D	21796
885-20755-9	S-9	Total/NA	Solid	8015M/D	21796
885-20755-10	S-10	Total/NA	Solid	8015M/D	21796

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Client: Ensolum Project/Site: Chaco Amine Spill

GC Semi VOA (Continued)

Analysis Batch: 21791 (Continued)

Lab Sample ID MB 885-21796/1-A	Client Sample ID Method Blank	Prep Type Total/NA	Matrix Solid	Method	Prep Batch 21796
LCS 885-21796/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	21796
885-20755-1 MS	S-1	Total/NA	Solid	8015M/D	21796
885-20755-1 MSD	S-1	Total/NA	Solid	8015M/D	21796

Prep Batch: 21796

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
885-20755-1	S-1	Total/NA	Solid	SHAKE	
885-20755-2	S-2	Total/NA	Solid	SHAKE	
885-20755-3	S-3	Total/NA	Solid	SHAKE	
885-20755-4	S-4	Total/NA	Solid	SHAKE	
885-20755-5	S-5	Total/NA	Solid	SHAKE	
885-20755-6	S-6	Total/NA	Solid	SHAKE	
885-20755-7	S-7	Total/NA	Solid	SHAKE	
885-20755-8	S-8	Total/NA	Solid	SHAKE	
885-20755-9	S-9	Total/NA	Solid	SHAKE	
885-20755-10	S-10	Total/NA	Solid	SHAKE	
885-20755-11	S-11	Total/NA	Solid	SHAKE	
885-20755-12	S-12	Total/NA	Solid	SHAKE	
885-20755-13	S-13	Total/NA	Solid	SHAKE	
885-20755-14	S-14	Total/NA	Solid	SHAKE	
MB 885-21796/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-21796/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	
885-20755-1 MS	S-1	Total/NA	Solid	SHAKE	
885-20755-1 MSD	S-1	Total/NA	Solid	SHAKE	

Analysis Batch: 21819

Lab Sample ID 885-20755-11	Client Sample ID S-11	Prep Type Total/NA	Matrix Solid	Method 8015M/D	Prep Batch 21796
885-20755-12	S-12	Total/NA	Solid	8015M/D	21796
885-20755-13	S-13	Total/NA	Solid	8015M/D	21796
885-20755-14	S-14	Total/NA	Solid	8015M/D	21796

HPLC/IC

Prep Batch: 21818

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
885-20755-1	S-1	Total/NA	Solid	300_Prep	
885-20755-2	S-2	Total/NA	Solid	300_Prep	
885-20755-3	S-3	Total/NA	Solid	300_Prep	
885-20755-4	S-4	Total/NA	Solid	300_Prep	
885-20755-5	S-5	Total/NA	Solid	300_Prep	
885-20755-6	S-6	Total/NA	Solid	300_Prep	
885-20755-7	S-7	Total/NA	Solid	300_Prep	
885-20755-8	S-8	Total/NA	Solid	300_Prep	
885-20755-9	S-9	Total/NA	Solid	300_Prep	
885-20755-10	S-10	Total/NA	Solid	300_Prep	
885-20755-11	S-11	Total/NA	Solid	300_Prep	
885-20755-12	S-12	Total/NA	Solid	300_Prep	
885-20755-13	S-13	Total/NA	Solid	300_Prep	
885-20755-14	S-14	Total/NA	Solid	300_Prep	

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Job ID: 885-20755-1

Client: Ensolum Project/Site: Chaco Amine Spill

HPLC/IC (Continued)

Prep Batch: 21818 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method Prep Batch
MB 885-21818/1-A	Method Blank	Total/NA	Solid	300_Prep
LCS 885-21818/2-A	Lab Control Sample	Total/NA	Solid	300_Prep

Analysis Batch: 21826

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
885-20755-1	S-1	Total/NA	Solid	300.0	21818
885-20755-2	S-2	Total/NA	Solid	300.0	21818
885-20755-3	S-3	Total/NA	Solid	300.0	21818
885-20755-4	S-4	Total/NA	Solid	300.0	21818
885-20755-5	S-5	Total/NA	Solid	300.0	21818
885-20755-6	S-6	Total/NA	Solid	300.0	21818
885-20755-7	S-7	Total/NA	Solid	300.0	21818
885-20755-8	S-8	Total/NA	Solid	300.0	21818
885-20755-9	S-9	Total/NA	Solid	300.0	21818
885-20755-10	S-10	Total/NA	Solid	300.0	21818
885-20755-11	S-11	Total/NA	Solid	300.0	21818
885-20755-12	S-12	Total/NA	Solid	300.0	21818
885-20755-13	S-13	Total/NA	Solid	300.0	21818
885-20755-14	S-14	Total/NA	Solid	300.0	21818
MB 885-21818/1-A	Method Blank	Total/NA	Solid	300.0	21818
LCS 885-21818/2-A	Lab Control Sample	Total/NA	Solid	300.0	21818

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Job ID: 885-20755-1
Job ID: 885-20755-1

Lab Sample ID: 885-20755-1

Client Sample ID: S-1

Project/Site: Chaco Amine Spill

Client: Ensolum

Date Collected: 03/03/25 09:30 Date Received: 03/04/25 07:15

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5035			21797	AT	EET ALB	03/04/25 08:53
Total/NA	Analysis	8015M/D		1	21828	AT	EET ALB	03/04/25 12:47
Total/NA	Prep	5035			21797	AT	EET ALB	03/04/25 08:53
Total/NA	Analysis	8021B		1	21829	AT	EET ALB	03/04/25 12:47
Total/NA	Prep	SHAKE			21796	MI	EET ALB	03/04/25 08:51
Total/NA	Analysis	8015M/D		1	21791	MI	EET ALB	03/04/25 10:46
Total/NA	Prep	300_Prep			21818	DL	EET ALB	03/04/25 10:18
Total/NA	Analysis	300.0		20	21826	DL	EET ALB	03/04/25 11:52

Lab Sample ID: 885-20755-2

Lab Sample ID: 885-20755-3

Matrix: Solid

Matrix: Solid

Client Sample ID: S-2

Date Collected: 03/03/25 09:45 Date Received: 03/04/25 07:15

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5035			21797	AT	EET ALB	03/04/25 09:42
Total/NA	Analysis	8015M/D		1	21828	AT	EET ALB	03/04/25 13:09
Total/NA	Prep	5035			21797	AT	EET ALB	03/04/25 09:42
Total/NA	Analysis	8021B		1	21829	AT	EET ALB	03/04/25 13:09
Total/NA	Prep	SHAKE			21796	MI	EET ALB	03/04/25 08:51
Total/NA	Analysis	8015M/D		1	21791	MI	EET ALB	03/04/25 11:18
Total/NA	Prep	300_Prep			21818	DL	EET ALB	03/04/25 10:18
Total/NA	Analysis	300.0		20	21826	DL	EET ALB	03/04/25 12:03

Client Sample ID: S-3 Date Collected: 03/03/25 10:00 Date Received: 03/04/25 07:15

Batch Batch Dilution Batch Prepared Ргер Туре Туре Method Run Factor Number Analyst Lab or Analyzed Total/NA 5035 EET ALB 03/04/25 09:42 Prep 21797 AT Total/NA 8015M/D Analysis 21828 AT EET ALB 03/04/25 13:31 1 Total/NA 5035 21797 AT EET ALB 03/04/25 09:42 Prep Total/NA 03/04/25 13:31 8021B 21829 AT EET ALB Analysis 1 Total/NA SHAKE EET ALB Prep 21796 MI 03/04/25 08:51 Total/NA 8015M/D EET ALB 03/04/25 11:28 Analysis 1 21791 MI Total/NA 300_Prep EET ALB 03/04/25 10:18 Prep 21818 DL Total/NA 300.0 21826 DL EET ALB 03/04/25 12:13 Analysis 20

Client Sample ID: S-4 Date Collected: 03/03/25 10:15

Date Received: 03/04/25 07:15

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5035			21797	AT	EET ALB	03/04/25 09:42
Total/NA	Analysis	8015M/D		1	21828	AT	EET ALB	03/04/25 13:53

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Matrix: Solid

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Lab Sample ID: 885-20755-4

Matrix: Solid

Job ID: 885-20755-1

Lab Sample ID: 885-20755-4 Matrix: Solid

Lab Sample ID: 885-20755-5

Date Collected: 03/03/25 10:15 Date Received: 03/04/25 07:15

Client Sample ID: S-4

Project/Site: Chaco Amine Spill

Client: Ensolum

	Batch	Batch		Dilution	Batch			Prepared
Ргер Туре	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5035			21797	AT	EET ALB	03/04/25 09:42
Total/NA	Analysis	8021B		1	21829	AT	EET ALB	03/04/25 13:53
Total/NA	Prep	SHAKE			21796	MI	EET ALB	03/04/25 08:51
Total/NA	Analysis	8015M/D		1	21791	MI	EET ALB	03/04/25 11:39
Total/NA	Prep	300_Prep			21818	DL	EET ALB	03/04/25 10:18
Total/NA	Analysis	300.0		20	21826	DL	EET ALB	03/04/25 12:23

Client Sample ID: S-5 Date Collected: 03/03/25 10:45

Date Received: 03/04/25 07:15

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5035			21797	AT	EET ALB	03/04/25 09:42
Total/NA	Analysis	8015M/D		1	21828	AT	EET ALB	03/04/25 14:15
Total/NA	Prep	5035			21797	AT	EET ALB	03/04/25 09:42
Total/NA	Analysis	8021B		1	21829	AT	EET ALB	03/04/25 14:15
Total/NA	Prep	SHAKE			21796	MI	EET ALB	03/04/25 08:51
Total/NA	Analysis	8015M/D		1	21791	MI	EET ALB	03/04/25 11:49
Total/NA	Prep	300_Prep			21818	DL	EET ALB	03/04/25 10:18
Total/NA	Analysis	300.0		20	21826	DL	EET ALB	03/04/25 12:34

Client Sample ID: S-6 Date Collected: 03/03/25 11:15 Date Received: 03/04/25 07:15

Lab Sample ID: 885-20755-6

Matrix: Solid

Matrix: Solid

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5035			21797	AT	EET ALB	03/04/25 09:42
Total/NA	Analysis	8015M/D		1	21828	AT	EET ALB	03/04/25 14:37
Total/NA	Prep	5035			21797	AT	EET ALB	03/04/25 09:42
Total/NA	Analysis	8021B		1	21829	AT	EET ALB	03/04/25 14:37
Total/NA	Prep	SHAKE			21796	МІ	EET ALB	03/04/25 08:51
Total/NA	Analysis	8015M/D		1	21791	MI	EET ALB	03/04/25 12:00
Total/NA	Prep	300_Prep			21818	DL	EET ALB	03/04/25 10:18
Total/NA	Analysis	300.0		20	21826	DL	EET ALB	03/04/25 12:44

Client Sample ID: S-7 Date Collected: 03/03/25 11:30 Date Received: 03/04/25 07:15

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5035			21798	AT	EET ALB	03/04/25 08:53
Total/NA	Analysis	8015M/D		1	21800	JP	EET ALB	03/04/25 11:08
Total/NA	Prep	5035			21798	AT	EET ALB	03/04/25 08:53
Total/NA	Analysis	8021B		1	21801	JP	EET ALB	03/04/25 11:08

Lab Sample ID: 885-20755-7 Matrix: Solid

Eurofins Albuquerque

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Lab Sample ID: 885-20755-7

Lab Sample ID: 885-20755-8

Lab Chronicle

Job ID: 885-20755-1

Matrix: Solid

Matrix: Solid

Project/Site: Chaco Amine Spill

Client Sample ID: S-7

Client: Ensolum

Date Collected: 03/03/25 11:30 Date Received: 03/04/25 07:15

	Batch	Batch		Dilution	Batch			Prepared
Prep Туре	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	SHAKE			21796	MI	EET ALB	03/04/25 08:51
Total/NA	Analysis	8015M/D		1	21791	MI	EET ALB	03/04/25 12:11
Total/NA	Prep	300_Prep			21818	DL	EET ALB	03/04/25 10:18
Total/NA	Analysis	300.0		20	21826	DL	EET ALB	03/04/25 12:54

Client Sample ID: S-8 Date Collected: 03/03/25 11:45 Date Received: 03/04/25 07:15

	Batch	Batch		Dilution	Batch			Prepared
Ргер Туре	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5035			21798	AT	EET ALB	03/04/25 09:47
Total/NA	Analysis	8015M/D		1	21800	JP	EET ALB	03/04/25 11:32
Total/NA	Prep	5035			21798	AT	EET ALB	03/04/25 09:47
Total/NA	Analysis	8021B		1	21801	JP	EET ALB	03/04/25 11:32
Total/NA	Prep	SHAKE			21796	MI	EET ALB	03/04/25 08:51
Total/NA	Analysis	8015M/D		1	21791	MI	EET ALB	03/04/25 12:21
Total/NA	Prep	300_Prep			21818	DL	EET ALB	03/04/25 10:18
Total/NA	Analysis	300.0		20	21826	DL	EET ALB	03/04/25 13:05

Client Sample ID: S-9 Date Collected: 03/03/25 12:00 Date Received: 03/04/25 07:15

Batch Batch Dilution Batch Prepared Prep Type Туре Method Run Factor Number Analyst Lab or Analyzed Total/NA 5035 21798 AT EET ALB 03/04/25 09:47 Prep 03/04/25 11:56 Total/NA Analysis 8015M/D 21800 JP EET ALB 1 Total/NA 5035 EET ALB 03/04/25 09:47 Prep 21798 AT 03/04/25 11:56 Total/NA 8021B EET ALB Analysis 1 21801 JP Total/NA SHAKE EET ALB 03/04/25 08:51 Prep 21796 MI Total/NA 8015M/D EET ALB 03/04/25 12:32 Analysis 1 21791 MI Total/NA 300 Prep 21818 DL EET ALB 03/04/25 10:18 Prep Total/NA 300.0 EET ALB Analysis 20 21826 DL 03/04/25 13:36

Client Sample ID: S-10 Date Collected: 03/03/25 12:15

Date Received: 03/04/25 07:15

_	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5035			21798	AT	EET ALB	03/04/25 09:47
Total/NA	Analysis	8015M/D		1	21800	JP	EET ALB	03/04/25 12:19
Total/NA	Prep	5035			21798	AT	EET ALB	03/04/25 09:47
Total/NA	Analysis	8021B		1	21801	JP	EET ALB	03/04/25 12:19
Total/NA	Prep	SHAKE			21796	MI	EET ALB	03/04/25 08:51
Total/NA	Analysis	8015M/D		1	21791	MI	EET ALB	03/04/25 12:43

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Lab Sample ID: 885-20755-9 Matrix: Solid

Lab Sample ID: 885-20755-10

Matrix: Solid

Lab Chronicle

Job ID: 885-20755-1

Matrix: Solid

Matrix: Solid

Matrix: Solid

Matrix: Solid

Lab Sample ID: 885-20755-10

Lab Sample ID: 885-20755-11

Lab Sample ID: 885-20755-12

Lab Sample ID: 885-20755-13

8

Client Sample ID: S-10 Date Collected: 03/03/25 12:15

Project/Site: Chaco Amine Spill

Client: Ensolum

Date Received: 03/04/25 07:15

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep				21818	DL	EET ALB	03/04/25 10:18
Total/NA	Analysis	300.0		20	21826	DL	EET ALB	03/04/25 13:46

Client Sample ID: S-11

Date Collected: 03/03/25 12:30 Date Received: 03/04/25 07:15

	Batch	Batch		Dilution	Batch			Prepared
Ргер Туре	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5035			21798	AT	EET ALB	03/04/25 09:47
Total/NA	Analysis	8015M/D		1	21800	JP	EET ALB	03/04/25 12:43
Total/NA	Prep	5035			21798	AT	EET ALB	03/04/25 09:47
Total/NA	Analysis	8021B		1	21801	JP	EET ALB	03/04/25 12:43
Total/NA	Prep	SHAKE			21796	MI	EET ALB	03/04/25 08:51
Total/NA	Analysis	8015M/D		1	21819	MI	EET ALB	03/04/25 10:52
Total/NA	Prep	300_Prep			21818	DL	EET ALB	03/04/25 10:18
Total/NA	Analysis	300.0		20	21826	DL	EET ALB	03/04/25 13:57

Client Sample ID: S-12 Date Collected: 03/03/25 13:15 Date Received: 03/04/25 07:15

	Batch	Batch		Dilution	Batch			Prepared
Ргер Туре	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5035			21798	AT	EET ALB	03/04/25 09:47
Total/NA	Analysis	8015M/D		1	21800	JP	EET ALB	03/04/25 13:07
Total/NA	Prep	5035			21798	AT	EET ALB	03/04/25 09:47
Total/NA	Analysis	8021B		1	21801	JP	EET ALB	03/04/25 13:07
Total/NA	Prep	SHAKE			21796	MI	EET ALB	03/04/25 08:51
Total/NA	Analysis	8015M/D		2	21819	MI	EET ALB	03/04/25 11:15
Total/NA	Prep	300_Prep			21818	DL	EET ALB	03/04/25 10:18
Total/NA	Analysis	300.0		20	21826	DL	EET ALB	03/04/25 14:07

Client Sample ID: S-13 Date Collected: 03/03/25 13:30 Date Received: 03/04/25 07:15

	Batch	Batch		Dilution	Batch			Prepared
Ргер Туре	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5035			21798	AT	EET ALB	03/04/25 09:47
Total/NA	Analysis	8015M/D		1	21800	JP	EET ALB	03/04/25 13:32
Total/NA	Prep	5035			21798	AT	EET ALB	03/04/25 09:47
Total/NA	Analysis	8021B		1	21801	JP	EET ALB	03/04/25 13:32
Total/NA	Prep	SHAKE			21796	MI	EET ALB	03/04/25 08:51
Total/NA	Analysis	8015M/D		1	21819	MI	EET ALB	03/04/25 11:39
Total/NA	Prep	300_Prep			21818	DL	EET ALB	03/04/25 10:18
Total/NA	Analysis	300.0		20	21826	DL	EET ALB	03/04/25 14:17

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Job ID: 885-20755-1

Matrix: Solid

Lab Sample ID: 885-20755-14

Client: Ensolum Project/Site: Chaco Amine Spill

Client Sample ID: S-14 Date Collected: 03/03/25 13:45

Date Received: 03/04/25 07:15

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5035			21798	AT	EET ALB	03/04/25 09:47
Total/NA	Analysis	8015M/D		1	21800	JP	EET ALB	03/04/25 13:56
Total/NA	Prep	5035			21798	AT	EET ALB	03/04/25 09:47
Total/NA	Analysis	8021B		1	21801	JP	EET ALB	03/04/25 13:56
Total/NA	Prep	SHAKE			21796	MI	EET ALB	03/04/25 08:51
lotal/NA	Analysis	8015M/D		2	21819	MI	EET ALB	03/04/25 12:02
Total/NA	Prep	300_Prep			21818	DL	EET ALB	03/04/25 10:18
Total/NA	Analysis	300.0		20	21826	DL	EET ALB	03/04/25 14:28

Laboratory References:

EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975

Eurofins Albuquerque

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Released to Imaging: 6/25/2025 8:07:44 AM

Accreditation/Certification Summary

Client: Ensolum Project/Site: Chaco Amine Spill

oject/Site: Chaco Amine Spili

Laboratory: Eurofins Albuquerque All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Arizona	State	AZ0682	10-21-25
Texas	NELAP	T104704424-23-16	06-01-25

Job ID: 885-20755-1

Eurofins Albuquerque

Released to I	Client:		-of-Cu	ustody Record	Turn-Around	Rush	100% Jane											NM 3OF	1	 10152	r
maging: 6/2	Mailing	Address	606-	S. Riokante, Suiter	Project Nam	e: 	une Spill					ins N	IE -		uqu	erqu	e, N		885-4	20755 CC	c
6/25/2025	Phone	- /			5	EE N	OTES			JI. U				naly							
25 8:07		r Fax#: <i>(</i> Package:	Sing	enscenselining	Project Mana	ager:		(8021)	MRO)	S		S		SO4			sent)				
:44	□ Stan	-		□ Level 4 (Full Validation)	K.	Sam	mers	s (8	1	PCB's		SIN		đ			t/Ab				
AM	Accredi	AC	□ Az Co □ Other	mpliance	Sampler: On Ice:	Ves Yes	No yogi	/-TMB's	RO / DRO	Pesticides/8082	504.1)	or 8270SIMS	S	F, Br, NO ₃ , NO ₂ , PO ₄ ,		(AC	(Present/Absent)				
		(Type)			# of Coolers:			MTBE	D(GF	icide	por	310	letal	Ô	1	i-VC					
-	Date	Time	Matrix	Sample Name	Container	(including CF): 6. Preservative Type		BTEX / M	TPH:8015D(GRO	8081 Pest	EDB (Method	PAHs by 8310	RCRA 8 Metals	CIJ F., Br,	8260 (VOA)	8270 (Semi-VOA)	Total Coliform				
y v	3/2/25	9:30	5	5-1	1× Yozian	Lool		X	X					X							
<u>c</u>	2/2/25	9:45	5	5-2	1x402jar	0 1		X	X					X							
5	13/25	10:00	5	5-3	1×902101			X	X					X							
	11	10:15	5	5-4	1×422)00			X	X					V						++	
	1.1	10:45	5	5-5	1×402 jar			X	V					X							
	3/3/25		5	5-6	1x4mia(1		X	X					X							
	3/3/25	11-30	5	5-7	1×402 jar	1		X	X					X							
	3/25		5	5-8	1×422jar			X	X					X							
	3/125	12:00	5	5-9	1×400 jar	Cool		X	X					X			-				
	3/2/25	12:15	5	5-10	1×4021-5	lop		X	X					X							
	2/3/25	12:30	5	5-11	1×402 Jar	Cool		X	X.					x					14		
	3/3/2=	13:15	5	5-12	1×402 p	Cool		X	X					X							
ç	Date: 3/3/25	Time: 1539	Relinquish	56	Received by:	Via:	Date Time 3/3/25-1539	Ren	hark	S:		P	M	1	Γο	Μ	Lo	29	E	an	e
	Date:	Time: 1830	Relinquish	ed by: Most Dalle _	Received by:	Via: Counce	Dáte Time													Dau	2

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cal report.

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Client:	Ens	odun We	ustody Record y LLC S Rio Grande, Suite A M 87410	Project #:	Rush e: D Am.	100% Same 100% Day ne Spill DOTES				A	ns N	AL v.hal NE - 975	llenv Alb F	ironr uque	menterqu	AE tal.co	BOF om VI 871 4107		
QA/QC C Star Accred NEL EDE	Package: ndard itation: _AC D (Type)	□ Az Co □ Othe		Sampler: On Ice: # of Coolers: Cooler Temp Container	(including CF): 0,1 Preservative	<u>uncers</u> <u>ie</u> ll <u>No</u> uco: <u>±ø:o.i (°C)</u> HEAL No.	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	F, Br, NO ₃ , NO ₂ , PO ₄ , SO ₄	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)			
Date Date 3/2/2= 3/2/2=	Time		Sample Name <u> <u> </u> </u>	Type and #	Туре (С до) (С до)				8						8	T			
Date: 3/3/25 10/2025	Time: 1535 Time: 51836	Relinquişi	DU	Received by:	Via:	Date Time $\frac{3}{3}/25$ 1539 Date Time 3/4/25 7:5	?	nark							ł	010		D	me

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Job Number: 885-20755-1

List Source: Eurofins Albuquerque

Login Sample Receipt Checklist

Client: Ensolum

Login Number: 20755 List Number: 1 Creator: Casarrubias, Tracy

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

Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").

Received by OCD: 4/15/2025 7:55:13 AM



Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Kyle Summers Ensolum 606 S Rio Grande Suite A Aztec, New Mexico 87410 Generated 3/18/2025 7:23:34 PM

JOB DESCRIPTION

Chaco Plant Amine

JOB NUMBER

885-21545-1

Eurofins Albuquerque 4901 Hawkins NE Albuquerque NM 87109





Eurofins Albuquerque

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

Authorization

Authorized for release by John Caldwell, Project Manager john.caldwell@et.eurofinsus.com (505)345-3975 Generated 3/18/2025 7:23:34 PM

Laboratory Job ID: 885-21545-1

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QC Sample Results	15
QC Association Summary	
Lab Chronicle	22
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Chain of Custody	26
Receipt Checklists	27

Percent Recovery

Contains Free Liquid

Colony Forming Unit

Dilution Factor

Contains No Free Liquid

Detection Limit (DoD/DOE)

Estimated Detection Limit (Dioxin)

Limit of Detection (DoD/DOE) Limit of Quantitation (DoD/DOE)

Method Detection Limit Minimum Level (Dioxin)

Most Probable Number Method Quantitation Limit

Not Calculated

Negative / Absent

Positive / Present Practical Quantitation Limit

Relative Error Ratio (Radiochemistry)

Toxicity Equivalent Factor (Dioxin)

Too Numerous To Count

Toxicity Equivalent Quotient (Dioxin)

Reporting Limit or Requested Limit (Radiochemistry)

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

Presumptive Quality Control

Duplicate Error Ratio (normalized absolute difference)

Decision Level Concentration (Radiochemistry)

EPA recommended "Maximum Contaminant Level"

Minimum Detectable Concentration (Radiochemistry)

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

Minimum Detectable Activity (Radiochemistry)

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

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

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

Client: Ensolum Project/Site: Chaco Plant Amine

Glossary Abbreviation

÷Ö

%R

CFL

CFU

CNF

DER

DLC

EDL

LOD

LOQ MCL

MDA

MDC

MDL

MQL NC

ND

NEG

POS

PQL PRES

QC RER

RL

RPD

TEF

TEQ

TNTC

ML MPN

Dil Fac DL

DL, RA, RE, IN

Job ID: 885-21545-1

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Eurofins Albuquerque

Case Narrative

Job ID: 885-21545-1

Client: Ensolum Project: Chaco Plant Amine

Job ID: 885-21545-1

Eurofins Albuquerque

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Job Narrative

885-21545-1

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 and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided 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 3/15/2025 7:05 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 0.0°C.

Gasoline Range Organics

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

GC VOA

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

Diesel Range Organics

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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Job ID: 885-21545-1

Lab Sample ID: 885-21545-1 Matrix: Solid

Client Sample ID: S-15 Date Collected: 03/14/25 10:00 Date Received: 03/15/25 07:05

Project/Site: Chaco Plant Amine

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		3.3	mg/Kg		03/17/25 09:31	03/17/25 11:23	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		35 - 166			03/17/25 09:31	03/17/25 11:23	1
Method: SW846 8021B - Volatile	Organic Comp	ounds (GC)						
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.017	mg/Kg		03/17/25 09:31	03/17/25 11:23	1
Ethylbenzene	ND		0.033	mg/Kg		03/17/25 09:31	03/17/25 11:23	1
Toluene	ND		0.033	mg/Kg		03/17/25 09:31	03/17/25 11:23	1
Xylenes, Total	ND		0.066	mg/Kg		03/17/25 09:31	03/17/25 11:23	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		48 - 145			03/17/25 09:31	03/17/25 11:23	
Method: SW846 8015M/D - Diese	l Range Organ	ics (DRO) (GC)					
	• •	<mark>ics (DRO) (</mark> Qualifier	GC) RL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte	• •			<mark>Unit</mark>	<u>D</u>	Prepared 03/17/25 08:34	Analyzed	Dil Fac
Analyte Diesel Range Organics [C10-C28]	Result				D	· · · · · · · · · · · · · · · · · · ·		Dil Fac
Analyte Diesel Range Organics [C10-C28] Motor Oil Range Organics [C28-C40]	_ ResultND	Qualifier		mg/Kg	<u>D</u>	03/17/25 08:34	03/17/25 10:18	
Analyte Diesel Range Organics [C10-C28] Motor Oil Range Organics [C28-C40] Surrogate	ResultND	Qualifier	RL 9.3 46	mg/Kg	<u> </u>	03/17/25 08:34 03/17/25 08:34	03/17/25 10:18 03/17/25 10:18	Dil Fac
Analyte Diesel Range Organics [C10-C28] Motor Oil Range Organics [C28-C40] Surrogate Di-n-octyl phthalate (Surr)	Result ND ND %Recovery 102	Qualifier	RL 9.3 46 Limits	mg/Kg	<u>D</u>	03/17/25 08:34 03/17/25 08:34 Prepared	03/17/25 10:18 03/17/25 10:18 Analyzed	Dil Fa
Method: SW846 8015M/D - Diese Analyte Diesel Range Organics [C10-C28] Motor Oil Range Organics [C28-C40] Surrogate Di-n-octyl phthalate (Surr) Method: EPA 300.0 - Anions, Ion Analyte	Result ND ND <i>%Recovery</i> 102 Chromatograp	Qualifier	RL 9.3 46 Limits	mg/Kg	D	03/17/25 08:34 03/17/25 08:34 Prepared	03/17/25 10:18 03/17/25 10:18 Analyzed	1 Dil Fac

Job ID: 885-21545-1

Lab Sample ID: 885-21545-2 Matrix: Solid

Date Collected: 03/14/25 10:05 Date Received: 03/15/25 07:05

Client Sample ID: S-16

Project/Site: Chaco Plant Amine

Client: Ensolum

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.2	mg/Kg		03/17/25 09:31	03/17/25 11:45	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		35 - 166			03/17/25 09:31	03/17/25 11:45	1
Method: SW846 8021B - Volatile	Organic Comp	ounds (GC))					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.021	mg/Kg		03/17/25 09:31	03/17/25 11:45	1
Ethylbenzene	ND		0.042	mg/Kg		03/17/25 09:31	03/17/25 11:45	1
Toluene	ND		0.042	mg/Kg		03/17/25 09:31	03/17/25 11:45	1
Xylenes, Total	ND		0.085	mg/Kg		03/17/25 09:31	03/17/25 11:45	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		48 - 145			03/17/25 09:31	03/17/25 11:45	
Method: SW846 8015M/D - Diese	I Range Organ	ics (DRO) (GC)					
	· · ·	CS (DRO) (Qualifier	GC) RL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte	· · ·			Unit mg/Kg	D	Prepared 03/17/25 08:34	Analyzed	Dil Fac
Analyte Diesel Range Organics [C10-C28]	Result				<u> </u>	· · · · · · · · · · · · · · · · · · ·		
Analyte Diesel Range Organics [C10-C28] Motor Oil Range Organics [C28-C40]	_ Result	Qualifier		mg/Kg	<u>D</u>	03/17/25 08:34	03/17/25 10:29	
Analyte Diesel Range Organics [C10-C28] Motor Oil Range Organics [C28-C40] Surrogate	Result	Qualifier	RL 9.4 47	mg/Kg	<u> </u>	03/17/25 08:34 03/17/25 08:34	03/17/25 10:29 03/17/25 10:29	Dil Fa
Analyte Diesel Range Organics [C10-C28] Motor Oil Range Organics [C28-C40] Surrogate Di-n-octyl phthalate (Surr)	Result ND ND %Recovery 99	Qualifier	RL 9.4 47 Limits	mg/Kg	<u> </u>	03/17/25 08:34 03/17/25 08:34 Prepared	03/17/25 10:29 03/17/25 10:29 Analyzed	Dil Fa
Method: SW846 8015M/D - Diese Analyte Diesel Range Organics [C10-C28] Motor Oil Range Organics [C28-C40] Surrogate Di-n-octyl phthalate (Surr) Method: EPA 300.0 - Anions, Ion Analyte	Result ND ND %Recovery 99 Chromatograp	Qualifier	RL 9.4 47 Limits	mg/Kg	<u>D</u>	03/17/25 08:34 03/17/25 08:34 Prepared	03/17/25 10:29 03/17/25 10:29 Analyzed	

Job ID: 885-21545-1

Lab Sample ID: 885-21545-3

Date Collected: 03/14/25 10:10 Date Received: 03/15/25 07:05

Client Sample ID: S-17

Project/Site: Chaco Plant Amine

Client: Ensolum

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		3.9	mg/Kg		03/17/25 09:31	03/17/25 12:06	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		35 - 166			03/17/25 09:31	03/17/25 12:06	1
Method: SW846 8021B - Volatile	Organic Comp	ounds (GC))					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.019	mg/Kg		03/17/25 09:31	03/17/25 12:06	1
Ethylbenzene	ND		0.039	mg/Kg		03/17/25 09:31	03/17/25 12:06	1
Toluene	ND		0.039	mg/Kg		03/17/25 09:31	03/17/25 12:06	1
Xylenes, Total	ND		0.077	mg/Kg		03/17/25 09:31	03/17/25 12:06	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	82		48 - 145			03/17/25 09:31	03/17/25 12:06	1
Method: SW846 8015M/D - Diese	I Range Organ	ics (DRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	210		9.5	mg/Kg		03/17/25 08:34	03/17/25 10:39	1
Motor Oil Range Organics [C28-C40]	270		47	mg/Kg		03/17/25 08:34	03/17/25 10:39	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	105		62 - 134			03/17/25 08:34	03/17/25 10:39	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac

Matrix: Solid

5

Job ID: 885-21545-1

Lab Sample ID: 885-21545-4 Matrix: Solid

Client Sample ID: S-18 Date Collected: 03/14/25 10:15 Date Received: 03/15/25 07:05

Project/Site: Chaco Plant Amine

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		3.6	mg/Kg		03/17/25 09:31	03/17/25 12:28	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		35 - 166			03/17/25 09:31	03/17/25 12:28	1
Method: SW846 8021B - Volatile	Organic Comp	ounds (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.018	mg/Kg		03/17/25 09:31	03/17/25 12:28	1
Ethylbenzene	ND		0.036	mg/Kg		03/17/25 09:31	03/17/25 12:28	1
Toluene	ND		0.036	mg/Kg		03/17/25 09:31	03/17/25 12:28	1
Xylenes, Total	ND		0.073	mg/Kg		03/17/25 09:31	03/17/25 12:28	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	83		48 - 145			03/17/25 09:31	03/17/25 12:28	1
Mothod: SW/946 901EM/D Diago		ice (DRO) (30)					
INIELITUU. 30040 OUTSINI/D - DIESE	i Range Organ							
		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte				Unit mg/Kg	<u>D</u>	Prepared 03/17/25 08:34	Analyzed 03/17/25 10:50	Dil Fac
Analyte Diesel Range Organics [C10-C28]	Result				<u>D</u>	· · · · · · · · · · · · · · · · · · ·		
Analyte Diesel Range Organics [C10-C28] Motor Oil Range Organics [C28-C40]	Result ND	Qualifier	RL 9.6	mg/Kg	<u> </u>	03/17/25 08:34	03/17/25 10:50	1
Analyte Diesel Range Organics [C10-C28] Motor Oil Range Organics [C28-C40] Surrogate	Result ND ND	Qualifier	RL 9.6 48	mg/Kg	<u> </u>	03/17/25 08:34 03/17/25 08:34	03/17/25 10:50 03/17/25 10:50	1
Analyte Diesel Range Organics [C10-C28] Motor Oil Range Organics [C28-C40] Surrogate Di-n-octyl phthalate (Surr)	Result ND ND %Recovery 100	Qualifier	RL 9.6 48 Limits	mg/Kg	<u>D</u>	03/17/25 08:34 03/17/25 08:34 Prepared	03/17/25 10:50 03/17/25 10:50 Analyzed	1 1 Dil Fac
Method: SW846 8015M/D - Diese Analyte Diesel Range Organics [C10-C28] Motor Oil Range Organics [C28-C40] Surrogate Di-n-octyl phthalate (Surr) Method: EPA 300.0 - Anions, Ion Analyte	Result ND ND %Recovery 100 Chromatograp	Qualifier	RL 9.6 48 Limits	mg/Kg	<u>D</u>	03/17/25 08:34 03/17/25 08:34 Prepared	03/17/25 10:50 03/17/25 10:50 Analyzed	1 1 Dil Fac

5

Job ID: 885-21545-1

Lab Sample ID: 885-21545-5 Matrix: Solid

Date Collected: 03/14/25 10:20 Date Received: 03/15/25 07:05

Client Sample ID: S-19

Project/Site: Chaco Plant Amine

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.2	mg/Kg		03/17/25 09:31	03/17/25 12:50	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		35 - 166			03/17/25 09:31	03/17/25 12:50	1
Method: SW846 8021B - Volatile	Organic Comp	ounds (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.021	mg/Kg		03/17/25 09:31	03/17/25 12:50	1
Ethylbenzene	ND		0.042	mg/Kg		03/17/25 09:31	03/17/25 12:50	1
Toluene	ND		0.042	mg/Kg		03/17/25 09:31	03/17/25 12:50	1
Xylenes, Total	ND		0.084	mg/Kg		03/17/25 09:31	03/17/25 12:50	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	82		48 - 145			03/17/25 09:31	03/17/25 12:50	1
		ics (DRO) (03/17/25 09:31	03/17/25 12:50	1
Method: SW846 8015M/D - Diese	l Range Organ	<mark>ics (DRO) ((</mark> Qualifier		Unit	D	03/17/25 09:31 Prepared	03/17/25 12:50 Analyzed	1 Dil Fac
Method: SW846 8015M/D - Diese Analyte	l Range Organ		GC)	<mark>Unit</mark> mg/Kg	<u>D</u>			1 Dil Fac
Method: SW846 8015M/D - Diese Analyte Diesel Range Organics [C10-C28]	I Range Organ Result		GC) RL		<u>D</u>	Prepared	Analyzed	
Method: SW846 8015M/D - Diese Analyte Diesel Range Organics [C10-C28] Motor Oil Range Organics [C28-C40]	I Range Organ Result ND	Qualifier	GC) <u>RL</u> 9.1	mg/Kg	<u> </u>	Prepared 03/17/25 08:34	Analyzed 03/17/25 11:01	1
Method: SW846 8015M/D - Diese Analyte Diesel Range Organics [C10-C28] Motor Oil Range Organics [C28-C40] Surrogate	el Range Organ Result ND ND	Qualifier	GC) <u>RL</u> 9.1 46	mg/Kg	<u> </u>	Prepared 03/17/25 08:34 03/17/25 08:34	Analyzed 03/17/25 11:01 03/17/25 11:01	1 1 Dil Fac
Method: SW846 8015M/D - Diese Analyte Diesel Range Organics [C10-C28] Motor Oil Range Organics [C28-C40] Surrogate Di-n-octyl phthalate (Surr)	el Range Organ Result ND ND %Recovery 100	Qualifier Qualifier	GC) <u>RL</u> <u>9.1</u> <u>46</u> <u>Limits</u>	mg/Kg	D	Prepared 03/17/25 08:34 03/17/25 08:34 Prepared	Analyzed 03/17/25 11:01 03/17/25 11:01 Analyzed	1
4-Bromofluorobenzene (Surr) Method: SW846 8015M/D - Diese Analyte Diesel Range Organics [C10-C28] Motor Oil Range Organics [C28-C40] Surrogate Di-n-octyl phthalate (Surr) Method: EPA 300.0 - Anions, Ion Analyte	el Range Organ Result ND ND %Recovery 100 Chromatograp	Qualifier Qualifier	GC) RL 9.1 46 Limits	mg/Kg	D	Prepared 03/17/25 08:34 03/17/25 08:34 Prepared	Analyzed 03/17/25 11:01 03/17/25 11:01 Analyzed	1 1 Dil Fac

5

Job ID: 885-21545-1

Lab Sample ID: 885-21545-6 Matrix: Solid

Date Collected: 03/14/25 10:25 Date Received: 03/15/25 07:05

Client Sample ID: S-20

Project/Site: Chaco Plant Amine

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.0	mg/Kg		03/17/25 09:31	03/17/25 13:11	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	82		35 - 166			03/17/25 09:31	03/17/25 13:11	1
Method: SW846 8021B - Volatile	Organic Comp	ounds (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.020	mg/Kg		03/17/25 09:31	03/17/25 13:11	1
Ethylbenzene	ND		0.040	mg/Kg		03/17/25 09:31	03/17/25 13:11	1
Toluene	ND		0.040	mg/Kg		03/17/25 09:31	03/17/25 13:11	1
Xylenes, Total	ND		0.080	mg/Kg		03/17/25 09:31	03/17/25 13:11	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	82		48 - 145			03/17/25 09:31	03/17/25 13:11	1
		ics (DRO) (0				03/17/25 09:31	03/17/25 13:11	1
Method: SW846 8015M/D - Diese	I Range Organ	<mark>ics (DRO) ((</mark> Qualifier		Unit	D	03/17/25 09:31 Prepared	03/17/25 13:11 Analyzed	1 Dil Fac
Method: SW846 8015M/D - Diese Analyte	I Range Organ		GC)	<mark>Unit</mark> mg/Kg	<u>D</u>			1 1
Method: SW846 8015M/D - Diese Analyte Diesel Range Organics [C10-C28]	I Range Organ Result		GC) RL		<u>D</u>	Prepared	Analyzed	
Method: SW846 8015M/D - Diese Analyte Diesel Range Organics [C10-C28] Motor Oil Range Organics [C28-C40]	I Range Organ Result ND	Qualifier	GC) <u>RL</u> <u>9.7</u>	mg/Kg	<u>D</u>	Prepared 03/17/25 08:34	Analyzed 03/17/25 11:11	1
Method: SW846 8015M/D - Diese Analyte Diesel Range Organics [C10-C28] Motor Oil Range Organics [C28-C40] Surrogate	I Range Organ Result ND ND	Qualifier	GC) <u>RL</u> <u>9.7</u> 49	mg/Kg	<u> </u>	Prepared 03/17/25 08:34 03/17/25 08:34	Analyzed 03/17/25 11:11 03/17/25 11:11	1
Method: SW846 8015M/D - Diese Analyte Diesel Range Organics [C10-C28] Motor Oil Range Organics [C28-C40] Surrogate Di-n-octyl phthalate (Surr)	I Range Organ Result ND ND %Recovery 101	Qualifier Qualifier	GC) RL 9.7 49 Limits	mg/Kg	<u>D</u>	Prepared 03/17/25 08:34 03/17/25 08:34 Prepared	Analyzed 03/17/25 11:11 03/17/25 11:11 Analyzed	1 1 Dil Fac
4-Bromofluorobenzene (Surr) Method: SW846 8015M/D - Diese Analyte Diesel Range Organics [C10-C28] Motor Oil Range Organics [C28-C40] Surrogate Di-n-octyl phthalate (Surr) Method: EPA 300.0 - Anions, Ion Analyte	I Range Organ Result ND ND %Recovery 101 Chromatograp	Qualifier Qualifier	GC) RL 9.7 49 Limits	mg/Kg	D	Prepared 03/17/25 08:34 03/17/25 08:34 Prepared	Analyzed 03/17/25 11:11 03/17/25 11:11 Analyzed	1 1 Dil Fac

Job ID: 885-21545-1

Lab Sample ID: 885-21545-7 Matrix: Solid

Date Collected: 03/14/25 10:30 Date Received: 03/15/25 07:05

Client Sample ID: S-21

Project/Site: Chaco Plant Amine

Client: Ensolum

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		3.8	mg/Kg		03/17/25 09:31	03/17/25 13:33	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		35 - 166			03/17/25 09:31	03/17/25 13:33	1
Method: SW846 8021B - Volatile	Organic Comp	ounds (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.019	mg/Kg		03/17/25 09:31	03/17/25 13:33	1
Ethylbenzene	ND		0.038	mg/Kg		03/17/25 09:31	03/17/25 13:33	1
Toluene	ND		0.038	mg/Kg		03/17/25 09:31	03/17/25 13:33	1
Xylenes, Total	ND		0.077	mg/Kg		03/17/25 09:31	03/17/25 13:33	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		48 - 145			03/17/25 09:31	03/17/25 13:33	1
Method: SW846 8015M/D - Diese	Range Organ	ics (DRO) (GC)					
	• •	<mark>ics (DRO) (</mark> Qualifier	GC) RL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte	• •		· ·	<mark>Unit</mark> mg/Kg	D	Prepared 03/17/25 08:34	Analyzed 03/17/25 11:22	Dil Fac
Analyte Diesel Range Organics [C10-C28]	Result				<u>D</u>			
Analyte Diesel Range Organics [C10-C28] Motor Oil Range Organics [C28-C40]	_ ResultND		RL 9.6	mg/Kg	<u>D</u>	03/17/25 08:34	03/17/25 11:22	1
Analyte Diesel Range Organics [C10-C28] Motor Oil Range Organics [C28-C40] Surrogate	Result	Qualifier	RL 9.6 48	mg/Kg	<u> </u>	03/17/25 08:34 03/17/25 08:34	03/17/25 11:22 03/17/25 11:22	1
Analyte Diesel Range Organics [C10-C28] Motor Oil Range Organics [C28-C40] Surrogate Di-n-octyl phthalate (Surr)	Result ND ND %Recovery 98	Qualifier		mg/Kg	<u>D</u>	03/17/25 08:34 03/17/25 08:34 Prepared	03/17/25 11:22 03/17/25 11:22 Analyzed	1 1 Dil Fac
Method: SW846 8015M/D - Diese Analyte Diesel Range Organics [C10-C28] Motor Oil Range Organics [C28-C40] Surrogate Di-n-octyl phthalate (Surr) Method: EPA 300.0 - Anions, Ion Analyte	Result ND ND <u>%Recovery</u> 98 Chromatograp	Qualifier		mg/Kg	<u>D</u>	03/17/25 08:34 03/17/25 08:34 Prepared	03/17/25 11:22 03/17/25 11:22 Analyzed	1 1 Dil Fac

5

Job ID: 885-21545-1

Lab Sample ID: 885-21545-8 Matrix: Solid

Date Collected: 03/14/25 10:35 Date Received: 03/15/25 07:05

Client Sample ID: S-22

Project/Site: Chaco Plant Amine

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		3.9	mg/Kg		03/17/25 09:31	03/17/25 13:55	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		35 - 166			03/17/25 09:31	03/17/25 13:55	1
Method: SW846 8021B - Volatile	Organic Comp	ounds (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.019	mg/Kg		03/17/25 09:31	03/17/25 13:55	1
Ethylbenzene	ND		0.039	mg/Kg		03/17/25 09:31	03/17/25 13:55	1
Toluene	ND		0.039	mg/Kg		03/17/25 09:31	03/17/25 13:55	1
Xylenes, Total	ND		0.077	mg/Kg		03/17/25 09:31	03/17/25 13:55	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		48 - 145			03/17/25 09:31	03/17/25 13:55	1
Method: SW846 8015M/D - Diese	l Range Organ	ics (DRO) (GC)					
Analyte	•••	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
· · · · · · · · · · · · · · · · · · ·	•••	Qualifier	RL 9.3	Unit mg/Kg	D	Prepared 03/17/25 08:34	Analyzed 03/17/25 11:32	Dil Fac
Diesel Range Organics [C10-C28]	Result	Qualifier			<u> </u>	· · ·		
Diesel Range Organics [C10-C28] Motor Oil Range Organics [C28-C40]	_ ResultND	Qualifier Qualifier	9.3	mg/Kg	<u> </u>	03/17/25 08:34	03/17/25 11:32	1
Diesel Range Organics [C10-C28] Motor Oil Range Organics [C28-C40] Surrogate	ResultND		9.3 47	mg/Kg	<u> </u>	03/17/25 08:34 03/17/25 08:34	03/17/25 11:32 03/17/25 11:32	
Diesel Range Organics [C10-C28] Motor Oil Range Organics [C28-C40] Surrogate Di-n-octyl phthalate (Surr)	Result ND ND %Recovery 102	Qualifier	9.3 47 <i>Limits</i>	mg/Kg	<u> </u>	03/17/25 08:34 03/17/25 08:34 Prepared	03/17/25 11:32 03/17/25 11:32 Analyzed	1 1 <i>Dil Fac</i>
Analyte Diesel Range Organics [C10-C28] Motor Oil Range Organics [C28-C40] Surrogate Di-n-octyl phthalate (Surr) Method: EPA 300.0 - Anions, Ion Analyte	Result ND ND %Recovery 102 Chromatograp	Qualifier	9.3 47 <i>Limits</i>	mg/Kg	<u>D</u>	03/17/25 08:34 03/17/25 08:34 Prepared	03/17/25 11:32 03/17/25 11:32 Analyzed	1 1 Dil Fac

5

Job ID: 885-21545-1

Lab Sample ID: 885-21545-9 Matrix: Solid

Date Collected: 03/14/25 10:40 Date Received: 03/15/25 07:05

Client Sample ID: S-23

Project/Site: Chaco Plant Amine

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.6	mg/Kg		03/17/25 09:33	03/17/25 14:17	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		35 - 166			03/17/25 09:33	03/17/25 14:17	1
Method: SW846 8021B - Volatile	Organic Comp	ounds (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		03/17/25 09:33	03/17/25 14:17	1
Ethylbenzene	ND		0.046	mg/Kg		03/17/25 09:33	03/17/25 14:17	1
Toluene	ND		0.046	mg/Kg		03/17/25 09:33	03/17/25 14:17	1
Xylenes, Total	ND		0.093	mg/Kg		03/17/25 09:33	03/17/25 14:17	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		48 - 145			03/17/25 09:33	03/17/25 14:17	1
Method: SW846 8015M/D - Diese	Range Organ	ics (DRO) (GC)					
	Desult	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte	Result	Quaimer		Unit				DirFac
	ND		9.7	mg/Kg		03/17/25 08:34	03/17/25 11:43	1
Diesel Range Organics [C10-C28]						03/17/25 08:34 03/17/25 08:34	03/17/25 11:43 03/17/25 11:43	
Diesel Range Organics [C10-C28] Motor Oil Range Organics [C28-C40]	ND	Qualifier	9.7	mg/Kg				1
Diesel Range Organics [C10-C28] Motor Oil Range Organics [C28-C40] Surrogate	ND ND		9.7 48	mg/Kg		03/17/25 08:34	03/17/25 11:43	1 1 Dil Fac
Diesel Range Organics [C10-C28] Motor Oil Range Organics [C28-C40] Surrogate Di-n-octyl phthalate (Surr)	ND ND %Recovery 104	Qualifier	9.7 48 <i>Limits</i>	mg/Kg		03/17/25 08:34 Prepared	03/17/25 11:43 Analyzed	1
Analyte Diesel Range Organics [C10-C28] Motor Oil Range Organics [C28-C40] Surrogate Di-n-octyl phthalate (Surr) Method: EPA 300.0 - Anions, Ion Analyte	ND ND %Recovery 104 Chromatograp	Qualifier	9.7 48 <i>Limits</i>	mg/Kg	 D	03/17/25 08:34 Prepared	03/17/25 11:43 Analyzed	1 1 Dil Fac

QC Sample Results

RL

Client: Ensolum Project/Site: Chaco Plant Amine

Matrix: Solid

Analyte

Surrogate

Analyte

Surrogate

Analyte

Surrogate

C10]

C10]

Matrix: Solid

C10]

Matrix: Solid

Analysis Batch: 22566

4-Bromofluorobenzene (Surr)

Analysis Batch: 22566

Gasoline Range Organics [C6 -

4-Bromofluorobenzene (Surr)

Analysis Batch: 22566

Gasoline Range Organics [C6 -

4-Bromofluorobenzene (Surr)

Lab Sample ID: 885-21545-1 MS

Gasoline Range Organics [C6 - C10]

Lab Sample ID: MB 885-22574/1-A

Lab Sample ID: LCS 885-22574/2-A

Method: 8015M/D - Gasoline Range Organics (GRO) (GC)

MB MB

%Recovery

%Recovery

Result Qualifier

Job ID: 885-21545-1

Prep Type: Total/NA

Prep Batch: 22574

Client Sample ID: Method Blank

Analyzed

Dil Fac

	ND		5	.0	mg/K	g	03/1	7/25 09:31	03/17/25 11:01	1	6
	ΜВ	МВ									7
%Reco	very	Qualifier	Limits				F	Prepared	Analyzed	Dil Fac	
	98		35 - 166				03/1	17/25 09:31	03/17/25 11:01	1	8
							Client	t Sample	ID: Lab Control	Sample	
									Prep Type: [•] Prep Batcl		9
			Spike	LCS	LCS				%Rec		10
			Added	Result	Qualifier	Unit	D	%Rec	Limits		
			25.0	23.2		mg/Kg		93	70 - 130		11
LCS	LCS										
ecovery	Qual	ifier	Limits								
196			35 - 166								
									Client Sample Prep Type: ⁻ Prep Batc	Total/NA	
Sample	Samp	ole	Spike	MS	MS				%Rec		
Result	Quali	ifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
ND			16.5	13.9		mg/Kg		75	70 - 130		
MS	MS										
ecovery	Qual	ifier	Limits								
176			35 - 166								

Unit

D

Prepared

Lab Sample ID: 885-21545-1 MS	D								Client Sa	ample ID	: S-15
Matrix: Solid									Prep 1	Type: Tot	tal/NA
Analysis Batch: 22566									Prep	Batch:	22574
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics [C6 -	ND		16.5	14.5		mg/Kg		79	70 - 130	5	20
C101											

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	168		35 - 166

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 885-22574/1-A Matrix: Solid Analysis Batch: 22567						Client Sa	mple ID: Metho Prep Type: ⁻ Prep Batcl	Fotal/NA
	MB	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		03/17/25 09:31	03/17/25 11:01	1
Ethylbenzene	ND		0.050	mg/Kg		03/17/25 09:31	03/17/25 11:01	1
Toluene	ND		0.050	mg/Kg		03/17/25 09:31	03/17/25 11:01	1

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3/18/2025

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

QC Sample Results

Client: Ensolum Project/Site: Chaco Plant Amine Job ID: 885-21545-1

Lab Sample ID: MB 885-22	574/1-A								Client Sa	ample ID: N		
Matrix: Solid										Prep Ty		
Analysis Batch: 22567										Prep l	Batch:	22574
	M											
Analyte	Resu	It Qualifier	RL		Uni	t	D	P	repared	Analyze	ed	Dil Fac
Xylenes, Total	N	D	0.10		mg/	Kg		03/1	7/25 09:31	03/17/25 1	1:01	1
	М	B MB										
Surrogate	%Recover		Limits					F	Prepared	Analyze	ha	Dil Fac
4-Bromofluorobenzene (Surr)		4	48 - 145						17/25 09:31	03/17/25 1		1
	-											
Lab Sample ID: LCS 885-22	2574/3-A						С	lien	t Sample	ID: Lab Co	ntrol S	Sample
Matrix: Solid										Prep Ty		
Analysis Batch: 22567												22574
-			Spike	LCS	LCS					%Rec		
Analyte			Added	Result	Qualifier	Unit		D	%Rec	Limits		
Benzene			1.00	0.866		mg/Kg		-	87	70 - 130		
Ethylbenzene			1.00	0.899		mg/Kg			90	70 - 130		
Toluene			1.00	0.878		mg/Kg			88	70 - 130		
Xylenes, Total			3.00	2.64		mg/Kg			88	70 - 130		
	LCS LC	S										
Surrogate		lalifier	Limits									
4-Bromofluorobenzene (Surr)	91		48 - 145									
Lab Sample ID: 885-21545- Matrix: Solid Analysis Batch: 22567										Client Sar Prep Ty Prep I	ype: To	
	Sample Sa	mple	Spike	MS	MS					%Rec		
Analyte	Result Qu	alifier	Added	Result	Qualifier	Unit		D	%Rec	Limits		
Benzene	ND		0.846	0.729		mg/Kg			86	70 - 130		
Ethylbenzene	ND		0.846	0.743		mg/Kg			88	70 - 130		
Toluene	ND		0.846	0.738		mg/Kg			87	70 - 130		
Xylenes, Total	ND		2.54	2.21		mg/Kg			87	70 - 130		
		•										
0	MS MS		1									
Surrogate	<u>%Recovery</u> Qu 84	ualifier	Limits									
4-Bromofluorobenzene (Surr)	04		48 - 145									
Lab Sample ID: 885-21545-	2 MSD									Client Sar	nnle II	D: S-16
Matrix: Solid	2 1100									Prep Ty		
Analysis Batch: 22567												: 22574
Analysis Datch. 22007	Sample Sa	mnle	Spike	MSD	MSD					%Rec	Daten	RPD
Analyte	Result Qu	-	Added		Qualifier	Unit		D	%Rec	Limits	RPD	Limit
Benzene			0.846	0.725		mg/Kg			86	70 - 130	1	20
Ethylbenzene	ND		0.846	0.725		mg/Kg			88	70 - 130 70 - 130	0	20
Toluene	ND		0.846	0.745		mg/Kg			87	70 - 130 70 - 130	0	20
									87	70 - 130 70 - 130	1	20
Xylenes, Total	ND		2.54	2.22		mg/Kg			01	10 - 130	1	20
	MSD MS	SD										
Surrogate	%Recovery Qu	ıalifier	Limits									
			10 115									

4-Bromofluorobenzene (Surr)

86

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48 - 145

QC Sample Results

Client: Ensolum

Lab Sample ID: MB 885-22565/1-A

Project/Site: Chaco Plant Amine

Method: 8015M/D - Diesel Range Organics (DRO) (GC)

Job ID: 885-21545-1

Client Sample ID: Method Blank

	5
	6
	8
	9

Matrix: Solid									Prep Ty	/pe: To Batch:	
Analysis Batch: 22562		MB MB							Fieh	Datch.	2250
Analyte		sult Qualifier	F	RL	Unit		D	Prepared	Analyze	d	Dil Fa
Diesel Range Organics [C10-C28]				10	<u></u>			17/25 08:3			
Motor Oil Range Organics [C28-C40]		ND		50	mg/k	-		17/25 08:3			
						-5					
Surrogate	%Recov	MB MB ery Qualifier	Limits					Prepared	Analyze	ed	Dil Fa
Di-n-octyl phthalate (Surr)		100	62 - 134	4				/17/25 08:3			
Lab Sample ID: LCS 885-22565 Matrix: Solid	/ 2-A						Clier	it Sampl	e ID: Lab Co Prep Ty		
Analysis Batch: 22562									Prep	Batch:	2256
			Spike	LCS	LCS				%Rec		
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits		
Diesel Range Organics [C10-C28]			50.0	47.1		mg/Kg		94	60 - 135		
	LCS I	LCS									
Surrogate	%Recovery	Qualifier	Limits								
Di-n-octyl phthalate (Surr)	74		62 - 134								
Lab Sample ID: 885-21545-9 MS Matrix: Solid Analysis Batch: 22562	3								Client Sar Prep Ty Prep	-	otal/N
	Sample S	Sample	Spike	MS	MS				%Rec		
Analyte	Result (Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Diesel Range Organics [C10-C28]	ND		46.3	49.1		mg/Kg		106	44 - 136		
	MS I	ИS									
Surrogate	%Recovery	Qualifier	Limits								
Di-n-octyl phthalate (Surr)	92		62 - 134								
Lab Sample ID: 885-21545-9 MS Matrix: Solid	SD								Client Sar Prep Ty		
Analysis Batch: 22562										Batch:	
	Sample S	Sample	Spike	MSD	MSD				%Rec		R
Analyte	Result (Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Lin
Diesel Range Organics [C10-C28]	ND		46.6	49.0		mg/Kg		105	44 - 136	0	:
	MSD I	MSD									
Surrogate	%Recovery	Qualifier	Limits								
	89		62 - 134								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-22568/1-A Matrix: Solid Analysis Batch: 22576						Client Sa	mple ID: Metho Prep Type: ⊺ Prep Batch	Total/NA
	MB	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		1.5	mg/Kg		03/17/25 08:51	03/17/25 10:36	1

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Job ID: 885-21545-1

Client: Ensolum Project/Site: Chaco Plant Amine

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 885-22568/3-A					Client	t Sample	e ID: Lab Control Sample
Matrix: Solid							Prep Type: Total/NA
Analysis Batch: 22576							Prep Batch: 22568
	Spike	LCS	LCS				%Rec
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits
Chloride	15.0	14.6		mg/Kg		97	90 - 110
Lab Sample ID: LLCS 885-22568/2-A					Client	Sample	e ID: Lab Control Sample
Matrix: Solid							Prep Type: Total/NA
Analysis Batch: 22576							Prep Batch: 22568
	Spike	LLCS	LLCS				%Rec
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits
Chloride	1.50	1.55		mg/Kg		104	50 - 150
Lab Sample ID: MRL 885-22576/42					Client	Sample	e ID: Lab Control Sample
Matrix: Solid							Prep Type: Total/NA
Analysis Batch: 22576							
	Spike	MRL	MRL				%Rec
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits
Chloride	0.500	0.521		mg/L		104	50 - 150

QC Association Summary

Client: Ensolum Project/Site: Chaco Plant Amine

Analysis Batch: 22566

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-21545-1	S-15	Total/NA	Solid	8015M/D	22574
885-21545-2	S-16	Total/NA	Solid	8015M/D	22574
885-21545-3	S-17	Total/NA	Solid	8015M/D	22574
885-21545-4	S-18	Total/NA	Solid	8015M/D	22574
885-21545-5	S-19	Total/NA	Solid	8015M/D	22574
885-21545-6	S-20	Total/NA	Solid	8015M/D	22574
885-21545-7	S-21	Total/NA	Solid	8015M/D	22574
885-21545-8	S-22	Total/NA	Solid	8015M/D	22574
885-21545-9	S-23	Total/NA	Solid	8015M/D	22574
MB 885-22574/1-A	Method Blank	Total/NA	Solid	8015M/D	22574
LCS 885-22574/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	22574
885-21545-1 MS	S-15	Total/NA	Solid	8015M/D	22574
885-21545-1 MSD	S-15	Total/NA	Solid	8015M/D	22574

Analysis Batch: 22567

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
885-21545-1	S-15	Total/NA	Solid	8021B	22574
885-21545-2	S-16	Total/NA	Solid	8021B	22574
885-21545-3	S-17	Total/NA	Solid	8021B	22574
885-21545-4	S-18	Total/NA	Solid	8021B	22574
885-21545-5	S-19	Total/NA	Solid	8021B	22574
885-21545-6	S-20	Total/NA	Solid	8021B	22574
885-21545-7	S-21	Total/NA	Solid	8021B	22574
885-21545-8	S-22	Total/NA	Solid	8021B	22574
885-21545-9	S-23	Total/NA	Solid	8021B	22574
MB 885-22574/1-A	Method Blank	Total/NA	Solid	8021B	22574
LCS 885-22574/3-A	Lab Control Sample	Total/NA	Solid	8021B	22574
885-21545-2 MS	S-16	Total/NA	Solid	8021B	22574
885-21545-2 MSD	S-16	Total/NA	Solid	8021B	22574

Prep Batch: 22574

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-21545-1	S-15	Total/NA	Solid	5035	
885-21545-2	S-16	Total/NA	Solid	5035	
885-21545-3	S-17	Total/NA	Solid	5035	
885-21545-4	S-18	Total/NA	Solid	5035	
885-21545-5	S-19	Total/NA	Solid	5035	
885-21545-6	S-20	Total/NA	Solid	5035	
885-21545-7	S-21	Total/NA	Solid	5035	
885-21545-8	S-22	Total/NA	Solid	5035	
885-21545-9	S-23	Total/NA	Solid	5035	
MB 885-22574/1-A	Method Blank	Total/NA	Solid	5035	
LCS 885-22574/2-A	Lab Control Sample	Total/NA	Solid	5035	
LCS 885-22574/3-A	Lab Control Sample	Total/NA	Solid	5035	
885-21545-1 MS	S-15	Total/NA	Solid	5035	
885-21545-1 MSD	S-15	Total/NA	Solid	5035	
885-21545-2 MS	S-16	Total/NA	Solid	5035	
885-21545-2 MSD	S-16	Total/NA	Solid	5035	

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QC Association Summary

Client: Ensolum Project/Site: Chaco Plant Amine

GC Semi VOA

Analysis Batch: 22562

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-21545-1	S-15	Total/NA	Solid	8015M/D	22565
885-21545-2	S-16	Total/NA	Solid	8015M/D	22565
885-21545-3	S-17	Total/NA	Solid	8015M/D	22565
885-21545-4	S-18	Total/NA	Solid	8015M/D	22565
885-21545-5	S-19	Total/NA	Solid	8015M/D	22565
885-21545-6	S-20	Total/NA	Solid	8015M/D	22565
885-21545-7	S-21	Total/NA	Solid	8015M/D	22565
885-21545-8	S-22	Total/NA	Solid	8015M/D	22565
885-21545-9	S-23	Total/NA	Solid	8015M/D	22565
MB 885-22565/1-A	Method Blank	Total/NA	Solid	8015M/D	22565
LCS 885-22565/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	22565
885-21545-9 MS	S-23	Total/NA	Solid	8015M/D	22565
885-21545-9 MSD	S-23	Total/NA	Solid	8015M/D	22565

Prep Batch: 22565

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
885-21545-1	S-15	Total/NA	Solid	SHAKE	
885-21545-2	S-16	Total/NA	Solid	SHAKE	
885-21545-3	S-17	Total/NA	Solid	SHAKE	
885-21545-4	S-18	Total/NA	Solid	SHAKE	
885-21545-5	S-19	Total/NA	Solid	SHAKE	
885-21545-6	S-20	Total/NA	Solid	SHAKE	
885-21545-7	S-21	Total/NA	Solid	SHAKE	
885-21545-8	S-22	Total/NA	Solid	SHAKE	
885-21545-9	S-23	Total/NA	Solid	SHAKE	
MB 885-22565/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-22565/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	
885-21545-9 MS	S-23	Total/NA	Solid	SHAKE	
885-21545-9 MSD	S-23	Total/NA	Solid	SHAKE	

HPLC/IC

885-21545-2

Prep Batch: 22568

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
885-21545-1	S-15	Total/NA	Solid	300_Prep	
885-21545-2	S-16	Total/NA	Solid	300_Prep	
885-21545-3	S-17	Total/NA	Solid	300_Prep	
885-21545-4	S-18	Total/NA	Solid	300_Prep	
885-21545-5	S-19	Total/NA	Solid	300_Prep	
885-21545-6	S-20	Total/NA	Solid	300_Prep	
885-21545-7	S-21	Total/NA	Solid	300_Prep	
885-21545-8	S-22	Total/NA	Solid	300_Prep	
885-21545-9	S-23	Total/NA	Solid	300_Prep	
MB 885-22568/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-22568/3-A	Lab Control Sample	Total/NA	Solid	300_Prep	
LLCS 885-22568/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	
analysis Batch: 22576	i -				
Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
885-21545-1	S-15	Total/NA	Solid	300.0	22568

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Job ID: 885-21545-1

300.0

S-16

Total/NA

Solid

22568

QC Association Summary

Client: Ensolum Project/Site: Chaco Plant Amine

HPLC/IC (Continued)

Analysis Batch: 22576 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch	
885-21545-3	S-17	Total/NA	Solid	300.0	22568	
385-21545-4	S-18	Total/NA	Solid	300.0	22568	5
85-21545-5	S-19	Total/NA	Solid	300.0	22568	
85-21545-6	S-20	Total/NA	Solid	300.0	22568	
85-21545-7	S-21	Total/NA	Solid	300.0	22568	
35-21545-8	S-22	Total/NA	Solid	300.0	22568	7
85-21545-9	S-23	Total/NA	Solid	300.0	22568	
B 885-22568/1-A	Method Blank	Total/NA	Solid	300.0	22568	8
CS 885-22568/3-A	Lab Control Sample	Total/NA	Solid	300.0	22568	
_CS 885-22568/2-A	Lab Control Sample	Total/NA	Solid	300.0	22568	9
RL 885-22576/42	Lab Control Sample	Total/NA	Solid	300.0		

Job ID: 885-21545-1

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Job ID: 885-21545-1

Lab Sample ID: 885-21545-1 Matrix: Solid

Date Collected: 03/14/25 10:00 Date Received: 03/15/25 07:05

Client Sample ID: S-15

Project/Site: Chaco Plant Amine

Client: Ensolum

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5035			22574	AT	EET ALB	03/17/25 09:31
Total/NA	Analysis	8015M/D		1	22566	AT	EET ALB	03/17/25 11:23
Total/NA	Prep	5035			22574	AT	EET ALB	03/17/25 09:31
Total/NA	Analysis	8021B		1	22567	AT	EET ALB	03/17/25 11:23
Total/NA	Prep	SHAKE			22565	MI	EET ALB	03/17/25 08:34
Total/NA	Analysis	8015M/D		1	22562	MI	EET ALB	03/17/25 10:18
Total/NA	Prep	300_Prep			22568	DL	EET ALB	03/17/25 09:07
Total/NA	Analysis	300.0		20	22576	RC	EET ALB	03/17/25 11:18

Lab Sample ID: 885-21545-2

Lab Sample ID: 885-21545-3

Lab Sample ID: 885-21545-4

Matrix: Solid

Matrix: Solid

5

8

Client Sample ID: S-16

Date Collected: 03/14/25 10:05 Date Received: 03/15/25 07:05

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5035			22574	AT	EET ALB	03/17/25 09:31
Total/NA	Analysis	8015M/D		1	22566	AT	EET ALB	03/17/25 11:45
Total/NA	Prep	5035			22574	AT	EET ALB	03/17/25 09:31
Total/NA	Analysis	8021B		1	22567	AT	EET ALB	03/17/25 11:45
Total/NA	Prep	SHAKE			22565	МІ	EET ALB	03/17/25 08:34
Total/NA	Analysis	8015M/D		1	22562	MI	EET ALB	03/17/25 10:29
Total/NA	Prep	300_Prep			22568	DL	EET ALB	03/17/25 09:07
Total/NA	Analysis	300.0		20	22576	RC	EET ALB	03/17/25 11:28

Client Sample ID: S-17 Date Collected: 03/14/25 10:10

Date Received: 03/15/25 07:05

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5035			22574	AT	EET ALB	03/17/25 09:31
Total/NA	Analysis	8015M/D		1	22566	AT	EET ALB	03/17/25 12:06
Total/NA	Prep	5035			22574	AT	EET ALB	03/17/25 09:31
Total/NA	Analysis	8021B		1	22567	AT	EET ALB	03/17/25 12:06
Total/NA	Prep	SHAKE			22565	MI	EET ALB	03/17/25 08:34
Total/NA	Analysis	8015M/D		1	22562	MI	EET ALB	03/17/25 10:39
Total/NA	Prep	300_Prep			22568	DL	EET ALB	03/17/25 09:07
Total/NA	Analysis	300.0		20	22576	RC	EET ALB	03/17/25 11:38

Client Sample ID: S-18 Date Collected: 03/14/25 10:15

Date Received: 03/15/25 07:05

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5035			22574	AT	EET ALB	03/17/25 09:31
Total/NA	Analysis	8015M/D		1	22566	AT	EET ALB	03/17/25 12:28

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Matrix: Solid

Job ID: 885-21545-1

Lab Sample ID: 885-21545-4

Lab Sample ID: 885-21545-5

Matrix: Solid

Matrix: Solid

Date Collected: 03/14/25 10:15 Date Received: 03/15/25 07:05

Client Sample ID: S-18

Project/Site: Chaco Plant Amine

Client: Ensolum

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5035			22574	AT	EET ALB	03/17/25 09:31
Total/NA	Analysis	8021B		1	22567	AT	EET ALB	03/17/25 12:28
Total/NA	Prep	SHAKE			22565	MI	EET ALB	03/17/25 08:34
Total/NA	Analysis	8015M/D		1	22562	MI	EET ALB	03/17/25 10:50
Total/NA	Prep	300_Prep			22568	DL	EET ALB	03/17/25 09:07
Total/NA	Analysis	300.0		20	22576	RC	EET ALB	03/17/25 11:49

Client Sample ID: S-19 Date Collected: 03/14/25 10:20 Date Received: 03/15/25 07:05

	Batch	Batch		Dilution	Batch			Prepared
Ргер Туре	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5035			22574	AT	EET ALB	03/17/25 09:31
Total/NA	Analysis	8015M/D		1	22566	AT	EET ALB	03/17/25 12:50
Total/NA	Prep	5035			22574	AT	EET ALB	03/17/25 09:31
Total/NA	Analysis	8021B		1	22567	AT	EET ALB	03/17/25 12:50
Total/NA	Prep	SHAKE			22565	MI	EET ALB	03/17/25 08:34
Total/NA	Analysis	8015M/D		1	22562	MI	EET ALB	03/17/25 11:01
Total/NA	Prep	300_Prep			22568	DL	EET ALB	03/17/25 09:07
Total/NA	Analysis	300.0		20	22576	RC	EET ALB	03/17/25 11:59

Client Sample ID: S-20 Date Collected: 03/14/25 10:25 Date Received: 03/15/25 07:05

Batch Dilution Prepared Batch Batch Method Prep Type Туре Run Factor Number Analyst Lab or Analyzed Total/NA 5035 22574 AT EET ALB 03/17/25 09:31 Prep Total/NA 8015M/D 03/17/25 13:11 Analysis 1 22566 AT EET ALB Total/NA 5035 EET ALB 03/17/25 09:31 Prep 22574 AT 8021B 22567 AT Total/NA Analysis EET ALB 03/17/25 13:11 1 Total/NA SHAKE 22565 MI EET ALB 03/17/25 08:34 Prep 8015M/D EET ALB 03/17/25 11:11 Total/NA Analysis 22562 MI 1 300 Prep EET ALB 03/17/25 09:07 Total/NA Prep 22568 DL Total/NA 20 22576 RC EET ALB 03/17/25 12:09 Analysis 300.0

Client Sample ID: S-21 Date Collected: 03/14/25 10:30 Date Received: 03/15/25 07:05

	Batch	Batch		Dilution	Batch			Prepared
Ргер Туре	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5035			22574	AT	EET ALB	03/17/25 09:31
Total/NA	Analysis	8015M/D		1	22566	AT	EET ALB	03/17/25 13:33
Total/NA	Prep	5035			22574	AT	EET ALB	03/17/25 09:31
Total/NA	Analysis	8021B		1	22567	AT	EET ALB	03/17/25 13:33

Eurofins Albuquerque

Lab Sample ID: 885-21545-6

Matrix: Solid

Lab Sample ID: 885-21545-7 Matrix: Solid

Matrix: Solid

Matrix: Solid

Matrix: Solid

Lab Chronicle

Job ID: 885-21545-1

Lab Sample ID: 885-21545-7

Lab Sample ID: 885-21545-8

Lab Sample ID: 885-21545-9

Client: Ensolum Project/Site: Chaco Plant Amine

Client Sample ID: S-21 Date Collected: 03/14/25 10:30

Date	Conected.	03/14/23	10.30
Date	Received:	03/15/25	07:05

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	SHAKE			22565	MI	EET ALB	03/17/25 08:34
Total/NA	Analysis	8015M/D		1	22562	MI	EET ALB	03/17/25 11:22
Total/NA	Prep	300_Prep			22568	DL	EET ALB	03/17/25 09:07
Total/NA	Analysis	300.0		20	22576	RC	EET ALB	03/17/25 12:40

Client Sample ID: S-22 Date Collected: 03/14/25 10:35 Date Received: 03/15/25 07:05

	Batch	Batch		Dilution	Batch			Prepared
Ргер Туре	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5035			22574	AT	EET ALB	03/17/25 09:31
Total/NA	Analysis	8015M/D		1	22566	AT	EET ALB	03/17/25 13:55
Total/NA	Prep	5035			22574	AT	EET ALB	03/17/25 09:31
Total/NA	Analysis	8021B		1	22567	AT	EET ALB	03/17/25 13:55
Total/NA	Prep	SHAKE			22565	MI	EET ALB	03/17/25 08:34
Total/NA	Analysis	8015M/D		1	22562	MI	EET ALB	03/17/25 11:32
Total/NA	Prep	300_Prep			22568	DL	EET ALB	03/17/25 09:07
Total/NA	Analysis	300.0		20	22576	RC	EET ALB	03/17/25 12:51

Client Sample ID: S-23 Date Collected: 03/14/25 10:40 Date Received: 03/15/25 07:05

Batch Batch Dilution Batch Prepared Prep Type Туре Method Run Factor Number Analyst Lab or Analyzed Total/NA 5035 22574 AT EET ALB 03/17/25 09:33 Prep Total/NA Analysis 8015M/D 22566 AT EET ALB 03/17/25 14:17 1 Total/NA 5035 EET ALB 03/17/25 09:33 Prep 22574 AT Total/NA 8021B EET ALB 03/17/25 14:17 Analysis 1 22567 AT Total/NA SHAKE EET ALB 03/17/25 08:34 Prep 22565 MI Total/NA 8015M/D EET ALB 03/17/25 11:43 Analysis 1 22562 MI Total/NA 300 Prep 22568 DL EET ALB 03/17/25 09:07 Prep EET ALB Total/NA Analysis 300.0 20 22576 RC 03/17/25 13:01

Laboratory References:

EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975

Accreditation/Certification Summary

	Acciculation	Gentification Gummary		
Client: Ensolum Project/Site: Chaco Plant Am	ine		Jo	b ID: 885-21545-1
Laboratory: Eurofins A	IDUQUERQUE d below are applicable to this report.			
Authority	Program	Identification Number	Expiration Date	
Oregon	NELAP	NM100001	02-26-26	Ę
				8
				9
				1

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Chain-of-Custody Record	Turn-Around Time. 160 40	HALL ENVIRONME			
Client Ensolum	Standard PRush 3-17-25	ANALYSIS LABOR			
annaantaan - oo magaalaanaanaanaanaa oo magaalaanaa, ahkii oo ahkii oo ahkii oo ahkii oo ahkii oo ahkii oo ahkii	Project Name:	www.hallenvironmental.com			
Malling Address. 10010 5 R.O. Grande	Chaco Plant Amine	4901 Hawkins NE - Albuquerque, NM 8710 885-21545 cc			
SU, + A 87410	Project #:	Tel. 505-345-3975 Fax 505-345-4107			
Phone #	an dan da sa	Air II /st. Request			
email or Fax#:	Project Manager	21) 21) 22(1)			
QA/QC Package.	10 c				
□ Standard □ Level 4 (Full Validation)	n Summers				
Accreditation Accreditation	Bummers Sampler. (1) Apont; On Ice: (Yes DNo yogi				
	On Ice: XYes INO Yogi # of Coolers:	Mittate / Mittate / Mittate / Metals Metals OA) OA) OA) emi-VOA			
	Cooler Temp(Including CF): 0.1-0.1=0 (°C				
Date Time Matrix Sample Name	Container Preservative HEAL No. Type and # Type	ITPH:8015D(GRO / DRO / MRO) TPH:8015D(GRO / DRO / MRO) 8081 Pesticides/8082 PCB's EDB (Method 504.1) PAHs by 8310 or 8270SIMS RCRA 8 Metals RCRA 8 Metals C(), デ、超L、 N22, TP24, SQ4 C(), デ、D4 C(), T4 C(),			
3/14 1000 5 5 8-8 5-15	402 Sar Coul				
3/11/ 1005 5 0 578 5-16					
3/14/1010 5 5-35 5-17					
3/14/ 1015 5 5-18					
3/,4 1020 5 5-8 5-19					
3/14/1035 5 8-16 5-20					
3/14/1030 2 5-21					
3/14 1035 5 5-22					
3/14/1040 5 5-73 5-23					
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Date Time Relinquished by 3114/22 729 AMAT MOUL	Received by. Via courser Date Time 7:05	Am 14058 Deg			

Received by OCD: 4/15/2025 7:55:13 AM

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3/18/2025

Login Sample Receipt Checklist

Client: Ensolum

Login Number: 21545 List Number: 1 Creator: Casarrubias, Tracy

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

True

Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").

11

Job Number: 885-21545-1

List Source: Eurofins Albuquerque
Received by OCD: 4/15/2025 7:55:13 AM



Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Kyle Summers Ensolum 606 S Rio Grande Suite A Aztec, New Mexico 87410 Generated 3/26/2025 12:48:48 PM

JOB DESCRIPTION

Chaco Plant Amine

JOB NUMBER

885-21782-1

Eurofins Albuquerque 4901 Hawkins NE Albuquerque NM 87109





Eurofins Albuquerque

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

Authorization

Authorized for release by John Caldwell, Project Manager john.caldwell@et.eurofinsus.com (505)345-3975 Generated 3/26/2025 12:48:48 PM

1 2 3 4 5 6 7 8 9 10 11

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Client: Ensolum Project/Site: Chaco Plant Amine

Glossary Abbreviation

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Job ID: 885-21782-1

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Eurofins Albuquerque

%RPercent RecoveryCFLContains Free LiquidCFUColony Forming UnitCNFContains No Free LiquidDERDuplicate Error Ratio (normalized absolute difference)Dil FacDilution FactorDLDetection Limit (DoD/DOE)DL, RA, RE, INIndicates a Dilution, Re-analysis, Re-extraction, or additionalDLCDecision Level Concentration (Radiochemistry)EDLEstimated Detection Limit (Dioxin)LODLimit of Detection (DoD/DOE)LOQLimit of Quantitation (DoD/DOE)MCLEPA recommended "Maximum Contaminant Level"MDAMinimum Detectable Activity (Radiochemistry)MDCMinimum Detectable Concentration (Radiochemistry)MDLMethod Detection LimitMLMinimum Level (Dioxin)MPNMost Probable NumberMQLMethod Quantitation LimitNDNot Detected at the reporting limit (or MDL or EDL if shown)NEGNegative / AbsentPOSPositive / PresentPQLPractical Quantitation LimitRERRelative Error Ratio (Radiochemistry)RERRelative Error Ratio (Radiochemistry)RERRelative Error Ratio (Radiochemistry)RLReporting Limit or Requested Limit (Radiochemistry)	
CFUColony Forming UnitCNFContains No Free LiquidDERDuplicate Error Ratio (normalized absolute difference)Dil FacDilution FactorDLDetection Limit (DoD/DOE)DL, RA, RE, INIndicates a Dilution, Re-analysis, Re-extraction, or additionalDLCDecision Level Concentration (Radiochemistry)EDLEstimated Detection Limit (Dioxin)LODLimit of Detection (DoD/DOE)LQQLimit of Quantitation (DoD/DOE)MCLEPA recommended "Maximum Contaminant Level"MDAMinimum Detectable Activity (Radiochemistry)MDCMinimum Detectable Concentration (Radiochemistry)MDLMethod Detection LimitMLMinimum Level (Dioxin)MPNMost Probable NumberMQLNot CalculatedNDNot Detected at the reporting limit (or MDL or EDL if shown)NEGNegative / AbsentPQLPractical Quantitation LimitPRESPresumptiveQCQuality ControlRERRelative Error Ratio (Radiochemistry)RLReporting Limit or Requested Limit (Radiochemistry)	
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RERRelative Error Ratio (Radiochemistry)RLReporting Limit or Requested Limit (Radiochemistry)	
RL Reporting Limit or Requested Limit (Radiochemistry)	
RDD Relative Descent Difference, a managure of the relative difference	
RPD Relative Percent Difference, a measure of the relative differ	nce between two points
TEF Toxicity Equivalent Factor (Dioxin)	
TEQ Toxicity Equivalent Quotient (Dioxin)	
TNTC Too Numerous To Count	

These commonly used abbreviations may or may not be present in this report. Listed under the "D" column to designate that the result is reported on a dry weight basis

Case Narrative

Client: Ensolum Project: Chaco Plant Amine

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Job ID: 885-21782-1

Eurofins Albuquerque

Job Narrative 885-21782-1

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 and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided 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 3/20/2025 6:35 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 0.9°C.

Gasoline Range Organics

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

GC VOA

Method 8021B: The continuing calibration verification (CCV) associated with batch 885-22776 recovered above the upper control limit for m.p-xylenes. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: S-17a (885-21782-1), S-24 (885-21782-2), S-25 (885-21782-3), S-26 (885-21782-4) and S-27 (885-21782-5).

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

Diesel Range Organics

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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Job ID: 885-21782-1

Lab Sample ID: 885-21782-1 Matrix: Solid

Client Sample ID: S-17a Date Collected: 03/19/25 10:00 Date Received: 03/20/25 06:35

Project/Site: Chaco Plant Amine

Client: Ensolum

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		1.8	mg/Kg		03/20/25 08:42	03/20/25 11:00	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		35 - 166			03/20/25 08:42	03/20/25 11:00	1
Method: SW846 8021B - Volatile	Organic Comp	ounds (GC)	l.					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.0092	mg/Kg		03/20/25 08:42	03/20/25 11:00	1
Ethylbenzene	ND		0.018	mg/Kg		03/20/25 08:42	03/20/25 11:00	1
Toluene	ND		0.018	mg/Kg		03/20/25 08:42	03/20/25 11:00	1
Xylenes, Total	ND		0.037	mg/Kg		03/20/25 08:42	03/20/25 11:00	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		48 - 145			03/20/25 08:42	03/20/25 11:00	1
Method: SW846 8015M/D - Diese	I Range Organ	ics (DRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.4	mg/Kg		03/20/25 09:17	03/20/25 10:57	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		03/20/25 09:17	03/20/25 10:57	1
		Qualifier	Limits			Prepared	Analyzed	Dil Fac
Surrogate	%Recovery	quanner						
-	% Recovery 108	quanter	62 - 134			03/20/25 09:17	03/20/25 10:57	1
Di-n-octyl phthalate (Surr)	108		62 - 134			03/20/25 09:17	03/20/25 10:57	1
Surrogate Di-n-octyl phthalate (Surr) Method: EPA 300.0 - Anions, Ion Analyte	108 Chromatograp		62 - 134 RL	Unit	D	03/20/25 09:17 Prepared	03/20/25 10:57 Analyzed	1 Dil Fac

Job ID: 885-21782-1

Lab Sample ID: 885-21782-2 Matrix: Solid

Date Collected: 03/19/25 10:05 Date Received: 03/20/25 06:35

Client Sample ID: S-24

Project/Site: Chaco Plant Amine

Client: Ensolum

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		2.8	mg/Kg		03/20/25 08:42	03/20/25 11:23	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		35 - 166			03/20/25 08:42	03/20/25 11:23	1
Method: SW846 8021B - Volatile	Organic Comp	ounds (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.014	mg/Kg		03/20/25 08:42	03/20/25 11:23	1
Ethylbenzene	ND		0.028	mg/Kg		03/20/25 08:42	03/20/25 11:23	1
Toluene	ND		0.028	mg/Kg		03/20/25 08:42	03/20/25 11:23	1
Xylenes, Total	ND		0.057	mg/Kg		03/20/25 08:42	03/20/25 11:23	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		48 - 145			03/20/25 08:42	03/20/25 11:23	1
Method: SW846 8015M/D - Diese	l Range Organ	ics (DRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	10		9.2	mg/Kg		03/20/25 09:17	03/20/25 11:08	1
			46	mg/Kg		03/20/25 09:17	03/20/25 11:08	1
Motor Oil Range Organics [C28-C40]	ND			0 0				
	ND %Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Surrogate		Qualifier	Limits 62 - 134			Prepared 03/20/25 09:17	Analyzed 03/20/25 11:08	
Surrogate Di-n-octyl phthalate (Surr)	%Recovery 108					· · · ·		Dil Fac
Motor Oil Range Organics [C28-C40] <i>Surrogate</i> <i>Di-n-octyl phthalate (Surr)</i> Method: EPA 300.0 - Anions, Ion Analyte				Unit	D	· · · ·		

5

Job ID: 885-21782-1

Lab Sample ID: 885-21782-3 Matrix: Solid

Date Collected: 03/19/25 10:10 Date Received: 03/20/25 06:35

Client Sample ID: S-25

Project/Site: Chaco Plant Amine

Client: Ensolum

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		2.9	mg/Kg		03/20/25 08:42	03/20/25 11:47	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		35 - 166			03/20/25 08:42	03/20/25 11:47	1
Method: SW846 8021B - Volatile	Organic Comp	ounds (GC)						
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.014	mg/Kg		03/20/25 08:42	03/20/25 11:47	1
Ethylbenzene	ND		0.029	mg/Kg		03/20/25 08:42	03/20/25 11:47	1
Toluene	ND		0.029	mg/Kg		03/20/25 08:42	03/20/25 11:47	1
Xylenes, Total	ND		0.057	mg/Kg		03/20/25 08:42	03/20/25 11:47	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Bromofluorobenzene (Surr)	106		48 - 145			03/20/25 08:42	03/20/25 11:47	1
Method: SW846 8015M/D - Diese	l Range Organ	ics (DRO) (GC)					
			,			Durana	Amalymad	
		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte		Qualifier	<u></u> 9.4	Unit mg/Kg	D	03/20/25 09:17	03/20/25 11:18	Dil Fac
Analyte Diesel Range Organics [C10-C28]	Result	Qualifier			<u>D</u>	· · ·		
Analyte Diesel Range Organics [C10-C28] Motor Oil Range Organics [C28-C40]	Result 38		9.4	mg/Kg	<u>D</u>	03/20/25 09:17	03/20/25 11:18	1
Analyte Diesel Range Organics [C10-C28] Motor Oil Range Organics [C28-C40] Surrogate	Result 38 ND		9.4 47	mg/Kg	<u> </u>	03/20/25 09:17 03/20/25 09:17	03/20/25 11:18 03/20/25 11:18	1
Analyte Diesel Range Organics [C10-C28] Motor Oil Range Organics [C28-C40] Surrogate Di-n-octyl phthalate (Surr)	Result 38 ND %Recovery 115	Qualifier	9.4 47 <i>Limits</i>	mg/Kg	<u> </u>	03/20/25 09:17 03/20/25 09:17 Prepared	03/20/25 11:18 03/20/25 11:18 Analyzed	1
Analyte Diesel Range Organics [C10-C28] Motor Oil Range Organics [C28-C40] Surrogate Di-n-octyl phthalate (Surr) Method: EPA 300.0 - Anions, Ion Analyte	Result 38 ND %Recovery 115 Chromatograp	Qualifier	9.4 47 <i>Limits</i>	mg/Kg	<u>D</u>	03/20/25 09:17 03/20/25 09:17 Prepared	03/20/25 11:18 03/20/25 11:18 Analyzed	Dil Fac 1 1 Dil Fac 1 Dil Fac

Job ID: 885-21782-1

Lab Sample ID: 885-21782-4 Matrix: Solid

Date Collected: 03/19/25 10:15 Date Received: 03/20/25 06:35

Client Sample ID: S-26

Project/Site: Chaco Plant Amine

Client: Ensolum

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		2.9	mg/Kg		03/20/25 09:15	03/20/25 12:10	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		35 - 166			03/20/25 09:15	03/20/25 12:10	1
Method: SW846 8021B - Volatile	Organic Comp	ounds (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.014	mg/Kg		03/20/25 09:15	03/20/25 12:10	1
Ethylbenzene	ND		0.029	mg/Kg		03/20/25 09:15	03/20/25 12:10	1
Toluene	ND		0.029	mg/Kg		03/20/25 09:15	03/20/25 12:10	1
Xylenes, Total	ND		0.057	mg/Kg		03/20/25 09:15	03/20/25 12:10	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		48 - 145			03/20/25 09:15	03/20/25 12:10	1
Method: SW846 8015M/D - Diese	I Range Organ	ics (DRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
						00/00/05 00 17	02/00/05 11:00	
Diesel Range Organics [C10-C28]	16		9.9	mg/Kg		03/20/25 09:17	03/20/25 11:29	1
•••••	16 ND		9.9 49	mg/Kg mg/Kg		03/20/25 09:17	03/20/25 11:29	1
Motor Oil Range Organics [C28-C40]		Qualifier		0 0				
Motor Oil Range Organics [C28-C40] Surrogate	ND	Qualifier	49	0 0		03/20/25 09:17	03/20/25 11:29	1
Motor Oil Range Organics [C28-C40] <i>Surrogate</i> <i>Di-n-octyl phthalate (Surr)</i>	ND %Recovery 95		49 Limits	0 0		03/20/25 09:17 Prepared	03/20/25 11:29 Analyzed	Dil Fac
Diesel Range Organics [C10-C28] Motor Oil Range Organics [C28-C40] Surrogate Di-n-octyl phthalate (Surr) Method: EPA 300.0 - Anions, Ion Analyte	ND <u>%Recovery</u> 95 Chromatograp		49 Limits	0 0	D	03/20/25 09:17 Prepared	03/20/25 11:29 Analyzed	Dil Fac

Released to Imaging: 6/25/2025 8:07:44 AM

Job ID: 885-21782-1

Lab Sample ID: 885-21782-5 Matrix: Solid

Date Collected: 03/19/25 10:20 Date Received: 03/20/25 06:35

Client Sample ID: S-27

Project/Site: Chaco Plant Amine

Client: Ensolum

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		2.8	mg/Kg		03/20/25 09:15	03/20/25 12:34	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		35 - 166			03/20/25 09:15	03/20/25 12:34	1
Method: SW846 8021B - Volatile	Organic Comp	ounds (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.014	mg/Kg		03/20/25 09:15	03/20/25 12:34	1
Ethylbenzene	ND		0.028	mg/Kg		03/20/25 09:15	03/20/25 12:34	1
Toluene	ND		0.028	mg/Kg		03/20/25 09:15	03/20/25 12:34	1
Xylenes, Total	ND		0.056	mg/Kg		03/20/25 09:15	03/20/25 12:34	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		48 - 145			03/20/25 09:15	03/20/25 12:34	1
4-Bromofluorobenzene (Surr) Method: SW846 8015M/D - Diese		ics (DRO) (0				03/20/25 09:15	03/20/25 12:34	1
Method: SW846 8015M/D - Diese	I Range Organ	<mark>ics (DRO) ((</mark> Qualifier		Unit	D	03/20/25 09:15 Prepared	03/20/25 12:34 Analyzed	1 Dil Fac
Method: SW846 8015M/D - Diese Analyte	I Range Organ		GC)	<mark>Unit</mark> mg/Kg	<u>D</u>			
Method: SW846 8015M/D - Diese Analyte Diesel Range Organics [C10-C28]	Range Organ Result		GC) RL		<u>D</u>	Prepared	Analyzed	
Method: SW846 8015M/D - Diese Analyte Diesel Range Organics [C10-C28] Motor Oil Range Organics [C28-C40]	I Range Organ Result	Qualifier	GC) <u>RL</u> <u>9.4</u>	mg/Kg	<u>D</u>	Prepared 03/20/25 09:17	Analyzed 03/20/25 11:39	Dil Fac
Method: SW846 8015M/D - Diese Analyte Diesel Range Organics [C10-C28] Motor Oil Range Organics [C28-C40] Surrogate	I Range Organ Result 15 ND	Qualifier	GC) <u>RL</u> <u>9.4</u> 47	mg/Kg	<u>D</u>	Prepared 03/20/25 09:17 03/20/25 09:17	Analyzed 03/20/25 11:39 03/20/25 11:39	
Method: SW846 8015M/D - Diese Analyte Diesel Range Organics [C10-C28] Motor Oil Range Organics [C28-C40] Surrogate Di-n-octyl phthalate (Surr)	I Range Organ Result 15 ND %Recovery 98	Qualifier	GC) RL 9.4 47 Limits	mg/Kg	D	Prepared 03/20/25 09:17 03/20/25 09:17 Prepared	Analyzed 03/20/25 11:39 03/20/25 11:39 Analyzed	Dil Fac
	I Range Organ Result 15 ND %Recovery 98 Chromatograp	Qualifier	GC) RL 9.4 47 Limits	mg/Kg	D	Prepared 03/20/25 09:17 03/20/25 09:17 Prepared	Analyzed 03/20/25 11:39 03/20/25 11:39 Analyzed	Dil Fac

5 6

Job ID: 885-21782-1

Client: Ensolum Project/Site: Chaco Plant Amine

Method: 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	_	MB ME sult Qu		R		Unit		D	_	repared	Analyzed		Dil Fa
Matrix: Solid Analysis Batch: 22776											Prep Ty Prep E		
Lab Sample ID: MB 885-22774	/1-A									Client S	ample ID: M		
lethod: 8021B - Volatile O	rganic Con	npour	nds (G	C)									
4-Bromofluorobenzene (Surr)	198			35 - 166									
Surrogate	%Recovery	Qualifie	r	Limits									
	MSD	MSD											
Gasoline Range Organics [C6 - C10]	Uri			J.22	9.12		mg/rxg			105	70 - 130	I	
Analyte	Result	Qualifie	r	Added	Result 9.72	Qualifier	_ Unit mg/Kg				Limits 70 - 130	RPD	Lin
• • • •	Sample			Spike		MSD			_	A/ =	%Rec		RF
Analysis Batch: 22775											Prep E	-	
Lab Sample ID: 885-21782-1 M Matrix: Solid	ISD										Client Samp Prep Ty		
				00-700									
Surrogate 4-Bromofluorobenzene (Surr)	%Recovery 194	Qualifie	r	Limits 35 - 166									
	MS												
C10]													
Gasoline Range Organics [C6 -	ND		- 	9.22	9.65		mg/Kg			105	70 - 130		
Analyte	Sample Result	Sample Qualifie	r	Spike Added	MS Result	MS Qualifier	Unit		D	%Rec	%Rec Limits		
Analysis Batch: 22775	<u> </u>	0		0							Prep E	Batch:	2277
Matrix: Solid											Prep Ty		
Lab Sample ID: 885-21782-1 M	IS										Client Samp	ole ID:	S-17
4-Bromofluorobenzene (Surr)	184			35 - 166									
Surrogate	%Recovery	Qualifie	r	Limits									
	LCS	LCS											
C10]				20.0	27.1					33	70-100		
Analyte Gasoline Range Organics [C6 -				Added	Result 24.7	Qualifier	_ Unit mg/Kg			%Rec 	Limits 70 - 130		
• • •				Spike		LCS			_		%Rec		
Analysis Batch: 22775											Prep E	-	
Lab Sample ID: LCS 885-22774 Matrix: Solid	TI 2-P 1							U	nent	Sample	ID: Lab Cor Prep Ty		
Lab Sample ID: LCS 995 9977	A/2 A							~	liont	Sample	ID: Lab Car	trol 9	amel
4-Bromofluorobenzene (Surr)		91		35 - 166	-					0/25 08:42			
Surrogate	%Reco	MB ME verv Qu	3 Ialifier	Limits					P	repared	Analyzed	d	Dil Fa
			_	0.	5	iiig/i	νg		00/2	0/20 00.42	00/20/20 10	.00	
Analyte Gasoline Range Organics [C6 - C10]	Re	ND Qu	alifier	R 5.		Unit		D		repared 0/25 08:42	Analyzed		Dil Fa
	_	MB ME		_				_	_				
Analysis Batch: 22775											Prep E	-	
Matrix: Solid											Prep Ty	pe: To	otal/N

Eurofins Albuquerque

Benzene

Toluene

Lab Sample ID: MB 885-22774/1-A

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

QC Sample Results

Client: Ensolum Project/Site: Chaco Plant Amine

Matrix: Solid

Job ID: 885-21782-1

Prep Type: Total/NA

Client Sample ID: Method Blank

										i iep iype.	TOTal/TA
Analysis Batch: 22776										Prep Batc	h: 22774
		MB MB									
Analyte	Re	esult Qual	ifier F	RL	Unit		D	Pr	epared	Analyzed	Dil Fac
Xylenes, Total		ND	0.*	10	mg/K	g	0	03/20	0/25 08:42	03/20/25 10:36	1
		MB MB									
Surrogate	%Reco	very Qual	ifier Limits					Pr	repared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)		99	48 - 145	5			C	03/20	0/25 08:42	03/20/25 10:36	1
_ab Sample ID: LCS 885-22774/3	3-A						Clie	ent	Sample	D: Lab Control	Sample
Matrix: Solid										Prep Type:	
Analysis Batch: 22776										Prep Batc	h: 22774
			Spike	LCS	LCS					%Rec	
Analyte			Added	Result	Qualifier	Unit		D	%Rec	Limits	
Benzene			1.00	0.990		mg/Kg			99	70 - 130	
Ethylbenzene			1.00	0.947		mg/Kg			95	70 - 130	
Toluene			1.00	0.967		mg/Kg			97	70 - 130	
Kylenes, Total			3.00	3.12		mg/Kg			104	70 - 130	
	LCS	LCS									
Surrogate	%Recovery	Qualifier	Limits								
1-Bromofluorobenzene (Surr)	101		48 - 145								
_ab Sample ID: 885-21782-2 MS										Client Sample	ID: S-24
Matrix: Solid										Prep Type:	
Analysis Batch: 22776										Prep Batc	
	Sample	Sample	Spike	MS	MS					%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit		D	%Rec	Limits	
Benzene	ND		0.569	0.606		mg/Kg			107	70 - 130	
thylbenzene	ND		0.569	0.598		mg/Kg			105	70 - 130	
oluene	ND		0.569	0.609		mg/Kg			107	70 - 130	
Xylenes, Total	ND		1.71	1.88		mg/Kg			110	70 - 130	
	MS	MS									
Surrogate	%Recovery	Qualifier	Limits								
I-Bromofluorobenzene (Surr)	116		48 - 145								
.ab Sample ID: 885-21782-2 MSI	C									Client Sample	ID: S-24
Matrix: Solid										Prep Type:	
Analysis Batch: 22776										Prep Batc	
•	Sample	Sample	Spike	MSD	MSD					%Rec	RPD

Analysis Batch: 22776									Prep	Batch:	22774
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	ND		0.569	0.610		mg/Kg		107	70 - 130	1	20
Ethylbenzene	ND		0.569	0.603		mg/Kg		106	70 - 130	1	20
Toluene	ND		0.569	0.600		mg/Kg		105	70 - 130	1	20
Xylenes, Total	ND		1.71	1.87		mg/Kg		110	70 - 130	0	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	113		48 - 145

Lab Sample ID: MB 885-22786/1-A

QC Sample Results

RL

10

50

Result Qua

49.2

Limits

Spike

Added

Limits

62 - 134

50.0

62 - 134

Unit

mg/Kg

mg/Kg

D

Prepared

03/20/25 09:17

03/20/25 09:17

Prepared

03/20/25 09:17

Client: Ensolum Project/Site: Chaco Plant Amine

Matrix: Solid

Analyte

Surrogate

Analyte

[C10-C28]

Surrogate

Matrix: Solid

Analysis Batch: 22780

Di-n-octyl phthalate (Surr)

Analysis Batch: 22780

Diesel Range Organics

Di-n-octyl phthalate (Surr)

Diesel Range Organics [C10-C28]

Motor Oil Range Organics [C28-C40]

Lab Sample ID: LCS 885-22786/2-A

Method: 8015M/D - Diesel Range Organics (DRO) (GC)

MB MB

MB MB

Qualifier

ND

ND

106

%Recovery

LCS LCS

%Recovery Qualifier

80

Result Qualifier

Job ID: 885-21782-1

Prep Type: Total/NA

Prep Batch: 22786

Dil Fac

Dil Fac

1

1

1

Client Sample ID: Method Blank

Analyzed

03/20/25 10:36

03/20/25 10:36

Analyzed

03/20/25 10:36

6

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Pren Batch: 22786

					Fieh	Type. Tota	
					Prep	Batch: 22	278 <mark>6</mark>
LCS	LCS				%Rec		
Result	Qualifier	Unit	D	%Rec	Limits		
49.2		mg/Kg		98	60 - 135		

Lab Sample ID: 885-21782-5 MS Matrix: Solid Analysis Batch: 22780									Prep 1	mple ID: S-27 Type: Total/NA Batch: 22786
-	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Diesel Range Organics [C10-C28]	15		47.1	58.4		mg/Kg		91	44 - 136	
	MS	MS								
Surrogato	% Becovery	Qualifiar	Limito							

Surrogate	%Recovery	Qualifier	Limits
Di-n-octyl phthalate (Surr)	91		62 - 134

Lab Sample ID: 885-21782-5 MSI Matrix: Solid Analysis Batch: 22780	D									ample ID Type: To Batch:	tal/NA
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Diesel Range Organics [C10-C28]	15		45.8	60.3		mg/Kg		98	44 - 136	3	32
	MSD	MSD									
Surrogate	%Recovery	Qualifier	Limits								

Di-n-octyl phthalate (Surr) 62 - 134 93

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-22791/1-A Matrix: Solid Analysis Batch: 22795				Client Sa	mple ID: Metho Prep Type: ⁻ Prep Batcl	Total/NA		
	MB	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		1.5	mg/Kg		03/20/25 09:44	03/20/25 10:59	1

Eurofins Albuquerque

Released to Imaging: 6/25/2025 8:07:44 AM

QC Sample Results

Job ID: 885-21782-1

Client: Ensolum Project/Site: Chaco Plant Amine

Method: 300.0 - Anions, Ion Chromatography (Continued)

_ Lab Sample ID: LCS 885-22791/2-A							Client	Sampl	e ID: Lab C	ontrol S	ample
Matrix: Solid										Type: To	
Analysis Batch: 22795									Prep	Batch:	22791
-			Spike	LCS	LCS				%Rec		
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits		
Chloride			15.0	14.4		mg/Kg		96	90 - 110		
									Client Sar	mple ID:	S-17a
Matrix: Solid									Prep ⁻	Type: To	tal/NA
Analysis Batch: 22795									Prep	Batch:	22791
	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Chloride	ND		29.9	ND		mg/Kg		NC	50 - 150		
Lab Sample ID: 885-21782-1 MSD									Client Sar	mple ID:	S-17a
Matrix: Solid									Prep ⁻	Type: To	tal/NA
Analysis Batch: 22795									Prep	Batch:	22791
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	ND		29.8	ND		mg/Kg		NC	50 - 150	NC	20

Eurofins Albuquerque

QC Association Summary

Client: Ensolum Project/Site: Chaco Plant Amine Page 123 of 154

h	

GC VOA

Prep Batch: 22774

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
885-21782-1	S-17a	Total/NA	Solid	5035	
885-21782-2	S-24	Total/NA	Solid	5035	
885-21782-3	S-25	Total/NA	Solid	5035	
885-21782-4	S-26	Total/NA	Solid	5035	
885-21782-5	S-27	Total/NA	Solid	5035	
MB 885-22774/1-A	Method Blank	Total/NA	Solid	5035	
LCS 885-22774/2-A	Lab Control Sample	Total/NA	Solid	5035	
LCS 885-22774/3-A	Lab Control Sample	Total/NA	Solid	5035	
885-21782-1 MS	S-17a	Total/NA	Solid	5035	
885-21782-1 MSD	S-17a	Total/NA	Solid	5035	
885-21782-2 MS	S-24	Total/NA	Solid	5035	
885-21782-2 MSD	S-24	Total/NA	Solid	5035	

Analysis Batch: 22775

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
885-21782-1	S-17a	Total/NA	Solid	8015M/D	22774
885-21782-2	S-24	Total/NA	Solid	8015M/D	22774
885-21782-3	S-25	Total/NA	Solid	8015M/D	22774
885-21782-4	S-26	Total/NA	Solid	8015M/D	22774
885-21782-5	S-27	Total/NA	Solid	8015M/D	22774
MB 885-22774/1-A	Method Blank	Total/NA	Solid	8015M/D	22774
LCS 885-22774/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	22774
885-21782-1 MS	S-17a	Total/NA	Solid	8015M/D	22774
885-21782-1 MSD	S-17a	Total/NA	Solid	8015M/D	22774

Analysis Batch: 22776

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-21782-1	S-17a	Total/NA	Solid	8021B	22774
885-21782-2	S-24	Total/NA	Solid	8021B	22774
885-21782-3	S-25	Total/NA	Solid	8021B	22774
885-21782-4	S-26	Total/NA	Solid	8021B	22774
885-21782-5	S-27	Total/NA	Solid	8021B	22774
MB 885-22774/1-A	Method Blank	Total/NA	Solid	8021B	22774
LCS 885-22774/3-A	Lab Control Sample	Total/NA	Solid	8021B	22774
885-21782-2 MS	S-24	Total/NA	Solid	8021B	22774
885-21782-2 MSD	S-24	Total/NA	Solid	8021B	22774

GC Semi VOA

Analysis Batch: 22780

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
885-21782-1	S-17a	Total/NA	Solid	8015M/D	22786
885-21782-2	S-24	Total/NA	Solid	8015M/D	22786
885-21782-3	S-25	Total/NA	Solid	8015M/D	22786
885-21782-4	S-26	Total/NA	Solid	8015M/D	22786
885-21782-5	S-27	Total/NA	Solid	8015M/D	22786
MB 885-22786/1-A	Method Blank	Total/NA	Solid	8015M/D	22786
LCS 885-22786/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	22786
885-21782-5 MS	S-27	Total/NA	Solid	8015M/D	22786
885-21782-5 MSD	S-27	Total/NA	Solid	8015M/D	22786

QC Association Summary

Client: Ensolum

Project/Site: Chaco Plant Amine

GC Semi VOA

Prep Batch: 22786

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-21782-1	S-17a	Total/NA	Solid	SHAKE	
885-21782-2	S-24	Total/NA	Solid	SHAKE	
885-21782-3	S-25	Total/NA	Solid	SHAKE	
885-21782-4	S-26	Total/NA	Solid	SHAKE	
885-21782-5	S-27	Total/NA	Solid	SHAKE	
MB 885-22786/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-22786/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	
885-21782-5 MS	S-27	Total/NA	Solid	SHAKE	
885-21782-5 MSD	S-27	Total/NA	Solid	SHAKE	

HPLC/IC

Prep Batch: 22791

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
885-21782-1	S-17a	Total/NA	Solid	300_Prep	
885-21782-2	S-24	Total/NA	Solid	300_Prep	
885-21782-3	S-25	Total/NA	Solid	300_Prep	
885-21782-4	S-26	Total/NA	Solid	300_Prep	
885-21782-5	S-27	Total/NA	Solid	300_Prep	
MB 885-22791/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-22791/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	
885-21782-1 MS	S-17a	Total/NA	Solid	300_Prep	
885-21782-1 MSD	S-17a	Total/NA	Solid	300_Prep	

Analysis Batch: 22795

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-21782-1	S-17a	Total/NA	Solid	300.0	22791
885-21782-2	S-24	Total/NA	Solid	300.0	22791
885-21782-3	S-25	Total/NA	Solid	300.0	22791
885-21782-4	S-26	Total/NA	Solid	300.0	22791
885-21782-5	S-27	Total/NA	Solid	300.0	22791
MB 885-22791/1-A	Method Blank	Total/NA	Solid	300.0	22791
LCS 885-22791/2-A	Lab Control Sample	Total/NA	Solid	300.0	22791
885-21782-1 MS	S-17a	Total/NA	Solid	300.0	22791
885-21782-1 MSD	S-17a	Total/NA	Solid	300.0	22791

Job ID: 885-21782-1

Lab Sample ID: 885-21782-1

Date Collected: 03/19/25 10:00 Date Received: 03/20/25 06:35

Client Sample ID: S-17a

Project/Site: Chaco Plant Amine

Client: Ensolum

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5035			22774	JP	EET ALB	03/20/25 08:42
Total/NA	Analysis	8015M/D		1	22775	JP	EET ALB	03/20/25 11:00
Total/NA	Prep	5035			22774	JP	EET ALB	03/20/25 08:42
Total/NA	Analysis	8021B		1	22776	JP	EET ALB	03/20/25 11:00
Total/NA	Prep	SHAKE			22786	MI	EET ALB	03/20/25 09:17
Total/NA	Analysis	8015M/D		1	22780	MI	EET ALB	03/20/25 10:57
Total/NA	Prep	300_Prep			22791	DL	EET ALB	03/20/25 09:44
Total/NA	Analysis	300.0		20	22795	DL	EET ALB	03/20/25 11:19

Lab Sample ID: 885-21782-2

Lab Sample ID: 885-21782-3

Lab Sample ID: 885-21782-4

Matrix: Solid

Matrix: Solid

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Client Sample ID: S-24

Date Collected: 03/19/25 10:05 Date Received: 03/20/25 06:35

	Batch	Batch		Dilution	Batch			Prepared
Ргер Туре	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5035			22774	JP	EET ALB	03/20/25 08:42
Total/NA	Analysis	8015M/D		1	22775	JP	EET ALB	03/20/25 11:23
Total/NA	Prep	5035			22774	JP	EET ALB	03/20/25 08:42
Total/NA	Analysis	8021B		1	22776	JP	EET ALB	03/20/25 11:23
Total/NA	Prep	SHAKE			22786	МІ	EET ALB	03/20/25 09:17
Total/NA	Analysis	8015M/D		1	22780	MI	EET ALB	03/20/25 11:08
Total/NA	Prep	300_Prep			22791	DL	EET ALB	03/20/25 09:44
Total/NA	Analysis	300.0		20	22795	DL	EET ALB	03/20/25 11:29

Client Sample ID: S-25

Date Collected: 03/19/25 10:10 Date Received: 03/20/25 06:35

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5035			22774	JP	EET ALB	03/20/25 08:42
Total/NA	Analysis	8015M/D		1	22775	JP	EET ALB	03/20/25 11:47
Total/NA	Prep	5035			22774	JP	EET ALB	03/20/25 08:42
Total/NA	Analysis	8021B		1	22776	JP	EET ALB	03/20/25 11:47
Total/NA	Prep	SHAKE			22786	MI	EET ALB	03/20/25 09:17
Total/NA	Analysis	8015M/D		1	22780	MI	EET ALB	03/20/25 11:18
Total/NA	Prep	300_Prep			22791	DL	EET ALB	03/20/25 09:44
Total/NA	Analysis	300.0		20	22795	DL	EET ALB	03/20/25 11:39

Client Sample ID: S-26

Date Collected: 03/19/25 10:15 Date Received: 03/20/25 06:35

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5035			22774	JP	EET ALB	03/20/25 09:15
Total/NA	Analysis	8015M/D		1	22775	JP	EET ALB	03/20/25 12:10

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Matrix: Solid

Matrix: Solid

Job ID: 885-21782-1

Lab Sample ID: 885-21782-4

Lab Sample ID: 885-21782-5

Client Sample ID: S-26 Date Collected: 03/19/25 10:15 Date Received: 03/20/25 06:35

Project/Site: Chaco Plant Amine

Client: Ensolum

	Batch	Batch		Dilution	Batch			Prepared
Ргер Туре	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5035			22774	JP	EET ALB	03/20/25 09:15
Total/NA	Analysis	8021B		1	22776	JP	EET ALB	03/20/25 12:10
Total/NA	Prep	SHAKE			22786	MI	EET ALB	03/20/25 09:17
Total/NA	Analysis	8015M/D		1	22780	MI	EET ALB	03/20/25 11:29
Total/NA	Prep	300_Prep			22791	DL	EET ALB	03/20/25 09:44
Total/NA	Analysis	300.0		20	22795	DL	EET ALB	03/20/25 11:49

Client Sample ID: S-27 Date Collected: 03/19/25 10:20 Date Received: 03/20/25 06:35

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5035			22774	JP	EET ALB	03/20/25 09:15
Total/NA	Analysis	8015M/D		1	22775	JP	EET ALB	03/20/25 12:34
Total/NA	Prep	5035			22774	JP	EET ALB	03/20/25 09:15
Total/NA	Analysis	8021B		1	22776	JP	EET ALB	03/20/25 12:34
Total/NA	Prep	SHAKE			22786	MI	EET ALB	03/20/25 09:17
Total/NA	Analysis	8015M/D		1	22780	MI	EET ALB	03/20/25 11:39
Total/NA	Prep	300_Prep			22791	DL	EET ALB	03/20/25 09:44
Total/NA	Analysis	300.0		20	22795	DL	EET ALB	03/20/25 11:59

Laboratory References:

EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975

Matrix: Solid

Matrix: Solid

Accreditation/Certification Summary

	Accieutation	Gentification Gummary			
Client: Ensolum				Job ID: 885-21782-1	
Project/Site: Chaco Plant A	mine				
Laboratory: Eurofins	Albuquerque				
The accreditations/certifications lis	ted below are applicable to this report.				
Authority	Program	Identification Number	Expiration Date		
Oregon	NELAP	NM100001	02-26-26		
					5
					0
					0
					9

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d to Imaging: 6/25/	En Address	solum	S Riv Grande	Turn-Around	ld ² `Rush e:	3-20-25 Emine				A	NA www ns N	∖∟` .hallo E - 75	envir Albu Fa	IS onmo quer ax 5(L/ enta que,)5-3-	AB I.com , NM 45-4	8710	A	885-217	782 COC
Page 3/, a	Package: Package: Itation: _AC D (Type)	□ Az Co □ Other Matrix	□ Level 4 (Full Validation) ompliance Sample Name	Sampler: On Ice: # of Coolers: Cooler Temp Container	Summer C /S Apo Yes	n L; □ No yogi	RTEX / MATER (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS		 CI, F. R., RO., TO., P.M., SO. 6 		(Semi-VOA)	Total Coliform (Present/Absent)				
20 of 21 3/19 3/19 3/19	1005 1010 1015 1030	5 5 5 5	S-24 S-25 S-26 S-27	402 Jai 402 Jai 402 Jai 402 Jai	(00) (00) (00)		× × ×													
Date. 3/19/15 3/26/2025	Time Time Time	Relinquish	topto	Received by	Via COULTIER	Date Time	Ren	narks	s: Ja Am	om 141	10	~ <u>9</u>					54	ne Ng	2	

If necessary samples submitted to Hall Environmental may be subcontracted to other accredited laboratories This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

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Login Sample Receipt Checklist

Client: Ensolum

Login Number: 21782 List Number: 1 Creator: Casarrubias, Tracy

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

Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").

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Job Number: 885-21782-1

List Source: Eurofins Albuquerque

Received by OCD: 4/15/2025 7:55:13 AM



Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Kyle Summers Ensolum 606 S Rio Grande Suite A Aztec, New Mexico 87410 Generated 4/1/2025 2:55:29 PM

JOB DESCRIPTION

Chaco Plant Amine

JOB NUMBER

885-22306-1

Eurofins Albuquerque 4901 Hawkins NE Albuquerque NM 87109





Eurofins Albuquerque

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

Authorization

Authorized for release by John Caldwell, Project Manager john.caldwell@et.eurofinsus.com (505)345-3975 Generated 4/1/2025 2:55:29 PM

1 2 3 4 5 6 7 8 9 10 11

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Job ID: 885-22306-1

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Glossary	
Abbreviation	These commonly used abbreviations may or may not be present in this report.
¢.	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
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)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
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 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)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Job ID: 885-22306-1

Client: Ensolum Project: Chaco Plant Amine

Job ID: 885-22306-1

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Job Narrative 885-22306-1

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 and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided 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 sample was received on 3/29/2025 8:40 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.4°C.

Gasoline Range Organics

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

GC VOA

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

Diesel Range Organics

Method 8015D_DRO: The continuing calibration verification (CCV) associated with batch 885-23370 recovered above the upper control limit for Diesel Range Organics [C10-C28]. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: BF-1 (885-22306-1).

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.

Job ID: 885-22306-1

Lab Sample ID: 885-22306-1 Matrix: Solid

Client Sample ID: BF-1 Date Collected: 03/28/25 09:00 Date Received: 03/29/25 08:40

Project/Site: Chaco Plant Amine

Client: Ensolum

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		3.0	mg/Kg		03/31/25 11:40	03/31/25 13:42	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		35 - 166			03/31/25 11:40	03/31/25 13:42	1
Method: SW846 8021B - Volatile	Organic Comp	ounds (GC)						
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.015	mg/Kg		03/31/25 11:40	03/31/25 13:42	1
Ethylbenzene	ND		0.030	mg/Kg		03/31/25 11:40	03/31/25 13:42	1
Toluene	ND		0.030	mg/Kg		03/31/25 11:40	03/31/25 13:42	1
Xylenes, Total	ND		0.060	mg/Kg		03/31/25 11:40	03/31/25 13:42	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		48 - 145			03/31/25 11:40	03/31/25 13:42	1
Method: SW846 8015M/D - Diese	l Range Organ	ics (DRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.3	mg/Kg		03/31/25 09:38	03/31/25 14:26	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		03/31/25 09:38	03/31/25 14:26	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
			62 - 134			03/31/25 09:38	03/31/25 14:26	1
-	124							
Di-n-octyl phthalate (Surr)		ohy						
Di-n-octyl phthalate (Surr) Method: EPA 300.0 - Anions, Ion Analyte	Chromatograp	o <mark>hy</mark> Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac

5 6

Job ID: 885-22306-1

Client: Ensolum Project/Site: Chaco Plant Amine

Method: 8015M/D - Gasoline Range Organics (GRO) (GC)

Lab Sample ID: MB 885-23396/*	1-A										Client S	ample ID:	Method	l Blank
Matrix: Solid												Prep	Type: To	otal/NA
Analysis Batch: 23383												Prep	Batch	: 23396
		ΜВ	МВ											
Analyte	Re	sult	Qualifier	RL		U	nit		D	Р	repared	Analy	zed	Dil Fac
Gasoline Range Organics [C6 - C10]		ND		5.0		m	g/Kg		_	03/3	1/25 11:40	03/31/25	13:19	1
		мп	MD											
Surrogata	% Bases	MB	MB Qualifier	Limits							repared	Analy	704	
Surrogate 4-Bromofluorobenzene (Surr)	%Reco	104	Quanner	35 - 166							1/25 11:40	Analy 0 03/31/25		Dil Fac
		104		35 - 700						03/3	1/25 11.40	00/01/20	13.19	
Lab Sample ID: LCS 885-23396	/ 3-A								c	lient	Sample	ID: Lab C	ontrol S	Sample
Matrix: Solid													Type: To	
Analysis Batch: 23383													Batch	
,				Spike	LCS	LCS						%Rec		
Analyte				Added		Qualifie	ər	Unit		D	%Rec	Limits		
Gasoline Range Organics [C6 -				25.0	27.2			mg/Kg			109	70 - 130		
C10]								5.1.5						
-	1.00													
0	LCS			1										
Surrogate	%Recovery	Qua	Inter	Limits										
4-Bromofluorobenzene (Surr)	210			35 - 166										
Lab Sample ID: 885-22306-1 MS	3											Client Sa	amnle II)• BF-1
Matrix: Solid													Type: To	
Analysis Batch: 23383													Batch	
Analysis Baton. 20000	Sample	Sam	ple	Spike	MS	MS						%Rec	Duton	. 20000
Analyte	Result		-	Added		Qualifie	٩r	Unit		D	%Rec	Limits		
Gasoline Range Organics [C6 -	ND			14.9	16.7			mg/Kg			112	70 - 130		
C10]														
-														
	MS													
Surrogate	-	Qua	litier	Limits										
4-Bromofluorobenzene (Surr)	216			35 - 166										
Lab Sample ID: 885-22306-1 MS	SD.											Client Sa	amnlo II). BE-1
Matrix: Solid	50												Туре: То	
Analysis Batch: 23383													Batch	
Analysis Daten. 20000	Sample	Sam	nlo	Spike	MSD	MSD						%Rec	Datem	RPD
Analyte	Result		•	Added	Result	o	۶r	Unit		п	%Rec	Limits	RPD	Limit
Gasoline Range Organics [C6 -	ND	Quu		14.9	16.0	Quanne		mg/Kg			108	70 - 130	4	20
C10]				11.0	10.0			inging			100	10-100	•	20
-														
	MSD													
Surrogate	%Recovery	Qua	inter	Limits										
4-Bromofluorobenzene (Surr)	215			35 - 166										
ethod: 8021B - Volatile Or	rganic Con	npo	ounds (C	GC)										
Lab Sample ID: MB 885-23396/	1-A										Client S	ample ID:	Method	l Blank
Matrix: Solid													Type: To	
Analysis Batch: 23384													Batch	
-														

MB	MB						
Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
ND		0.025	mg/Kg		03/31/25 11:40	03/31/25 13:19	1
ND		0.050	mg/Kg		03/31/25 11:40	03/31/25 13:19	1
ND		0.050	mg/Kg		03/31/25 11:40	03/31/25 13:19	1
	Result ND ND	Result Qualifier ND	ResultQualifierRLND0.025ND0.050	Result Qualifier RL Unit ND 0.025 mg/Kg ND 0.050 mg/Kg	ResultQualifierRLUnitDND0.025mg/KgND0.050mg/Kg	Result Qualifier RL Unit D Prepared ND 0.025 mg/Kg 03/31/25 11:40 ND 0.050 mg/Kg 03/31/25 11:40	Result Qualifier RL Unit D Prepared Analyzed ND 0.025 mg/Kg 03/31/25 11:40 03/31/25 13:19 ND 0.050 mg/Kg 03/31/25 11:40 03/31/25 13:19

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

QC Sample Results

Client: Ensolum Project/Site: Chaco Plant Amine Job ID: 885-22306-1

5 6 7

Materia: Calid	396/1-A								unent Sa	ample ID:		
Matrix: Solid											Type: To	
Analysis Batch: 23384										Prep	Batch	: 23390
Analyta	Pa	MB MB sult Qualifier	RL		Unit		D	D.,	epared	Analur	a d	Dil Fa
Analyte Xylenes, Total	Ke	ND Quanner	0.10		0mit mg/K				1/25 11:40	Analyz 03/31/25		DIIFa
			0.10		iiig/ix	9		00/0	1/20 11.40	00/01/20	10.19	
		MB MB										
Surrogate	%Reco	very Qualifier	Limits				_	Pr	epared	Analyz	zed	Dil Fa
4-Bromofluorobenzene (Surr)		101	48 - 145					03/31	1/25 11:40	03/31/25	13:19	
Lab Sample ID: LCS 885-23	306/2_1						CI	iont	Samplo	ID: Lab Co	ontrol	Sample
Matrix: Solid	550/2-A						CI	ent	Sample		Type: To	
Analysis Batch: 23384											Batch	
Analysis Batch. 20004			Spike	LCS	LCS					%Rec	Datem	. 2000
Analyte			Added		Qualifier	Unit		D	%Rec	Limits		
Benzene			1.00	0.943		mg/Kg			94	70 - 130		
Ethylbenzene			1.00	0.937		mg/Kg			94	70 - 130		
Toluene			1.00	0.953		mg/Kg			95	70 - 130		
Xylenes, Total			3.00	2.91		mg/Kg			97	70 - 130		
· · · · · · · · · · · · · · · · · · ·												
	LCS											
Surrogate	%Recovery	Qualifier	Limits									
Lab Sample ID: 885-22306- Matrix: Solid	1 MS										Гуре: То	otal/N
Lab Sample ID: 885-22306- Matrix: Solid		Sample	Spike	MS	MS					Prep 1 Prep		otal/N
Lab Sample ID: 885-22306- Matrix: Solid Analysis Batch: 23384	Sample	-	Spike Added		MS Qualifier	Unit		D	%Rec	Prep 1	Гуре: То	otal/N/
Lab Sample ID: 885-22306- Matrix: Solid Analysis Batch: 23384 Analyte	Sample	Sample Qualifier	•		MS Qualifier			<u>D</u> .	%Rec	Prep 1 Prep %Rec	Гуре: То	otal/N/
Lab Sample ID: 885-22306- Matrix: Solid Analysis Batch: 23384 Analyte Benzene	Sample Result	-	Added	Result		Unit mg/Kg mg/Kg		<u>D</u> .		Prep 1 Prep %Rec Limits	Гуре: То	otal/N/
Lab Sample ID: 885-22306-7 Matrix: Solid Analysis Batch: 23384 Analyte Benzene Ethylbenzene	Sample 	-	Added	Result 0.620		mg/Kg		<u>D</u> .	104	Prep 7 Prep %Rec Limits 70 - 130	Гуре: То	otal/N/
4-Bromofluorobenzene (Surr) Lab Sample ID: 885-22306- Matrix: Solid Analysis Batch: 23384 Analyte Benzene Ethylbenzene Toluene Xylenes, Total	Sample Result ND ND	-	Added	Result 0.620 0.611		mg/Kg mg/Kg		<u>D</u>	104 103	Prep 7 Prep %Rec Limits 70 - 130 70 - 130	Гуре: То	otal/NA
Lab Sample ID: 885-22306-7 Matrix: Solid Analysis Batch: 23384 Analyte Benzene Ethylbenzene Toluene	Sample Result ND ND ND ND	Qualifier	Added 0.595 0.595 0.595	Result 0.620 0.611 0.622		mg/Kg mg/Kg mg/Kg		<u>D</u> .	104 103 104	Prep Prep %Rec Limits 70 - 130 70 - 130 70 - 130	Гуре: То	otal/N/
Lab Sample ID: 885-22306-7 Matrix: Solid Analysis Batch: 23384 Analyte Benzene Ethylbenzene Toluene Xylenes, Total	Sample Result ND ND ND ND MS	Qualifier	Added 0.595 0.595 0.595 1.79	Result 0.620 0.611 0.622		mg/Kg mg/Kg mg/Kg		<u>D</u> -	104 103 104	Prep Prep %Rec Limits 70 - 130 70 - 130 70 - 130	Гуре: То	otal/N/
Lab Sample ID: 885-22306-7 Matrix: Solid Analysis Batch: 23384 Analyte Benzene Ethylbenzene Toluene Xylenes, Total Surrogate	Sample Result ND ND ND ND MS %Recovery	Qualifier	Added 0.595 0.595 0.595 1.79 Limits	Result 0.620 0.611 0.622		mg/Kg mg/Kg mg/Kg		<u>D</u> .	104 103 104	Prep Prep %Rec Limits 70 - 130 70 - 130 70 - 130	Гуре: То	otal/N/
Lab Sample ID: 885-22306-7 Matrix: Solid Analysis Batch: 23384 Analyte Benzene Ethylbenzene Toluene Xylenes, Total Surrogate	Sample Result ND ND ND ND MS	Qualifier	Added 0.595 0.595 0.595 1.79	Result 0.620 0.611 0.622		mg/Kg mg/Kg mg/Kg		<u>D</u> .	104 103 104	Prep Prep %Rec Limits 70 - 130 70 - 130 70 - 130	Гуре: То	otal/N/
Lab Sample ID: 885-22306- Matrix: Solid Analysis Batch: 23384 Analyte Benzene Ethylbenzene Toluene Xylenes, Total Surrogate 4-Bromofluorobenzene (Surr)	Sample Result ND ND ND MS %Recovery 101	Qualifier	Added 0.595 0.595 0.595 1.79 Limits	Result 0.620 0.611 0.622		mg/Kg mg/Kg mg/Kg		<u>D</u> .	104 103 104	Prep Prep %Rec Limits 70 - 130 70 - 130 70 - 130	Type: To Batch	otal/N/ : 2339
Lab Sample ID: 885-22306- Matrix: Solid Analysis Batch: 23384 Analyte Benzene Ethylbenzene Toluene Xylenes, Total Surrogate 4-Bromofluorobenzene (Surr) Lab Sample ID: 885-22306-	Sample Result ND ND ND MS %Recovery 101	Qualifier	Added 0.595 0.595 0.595 1.79 Limits	Result 0.620 0.611 0.622		mg/Kg mg/Kg mg/Kg		<u>D</u> .	104 103 104	Prep 1 Prep % %Rec Limits 70 - 130 70 - 130 70 - 130 70 - 130	Type: To Batch	otal/N/ : 23390
Lab Sample ID: 885-22306- Matrix: Solid Analysis Batch: 23384 Analyte Benzene Ethylbenzene Toluene Xylenes, Total Surrogate 4-Bromofluorobenzene (Surr) Lab Sample ID: 885-22306- Matrix: Solid	Sample Result ND ND ND MS %Recovery 101	Qualifier	Added 0.595 0.595 0.595 1.79 Limits	Result 0.620 0.611 0.622		mg/Kg mg/Kg mg/Kg		<u>D</u> .	104 103 104	Prep 7 %Rec Limits 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130	Type: To Batch	D: BF-jotal/N/
Lab Sample ID: 885-22306- Matrix: Solid Analysis Batch: 23384 Analyte Benzene Ethylbenzene Toluene Xylenes, Total Surrogate 4-Bromofluorobenzene (Surr) Lab Sample ID: 885-22306- Matrix: Solid	Sample Result ND ND ND ND MS %Recovery 101 1 MSD Sample	Qualifier MS Qualifier Sample	Added 0.595 0.595 0.595 1.79 Limits	Result 0.620 0.611 0.622 1.88		mg/Kg mg/Kg mg/Kg		<u>D</u> .	104 103 104	Prep 7 %Rec Limits 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130	Type: To Batch	otal/N/ : 23390 D: BF- otal/N/ : 23390
Lab Sample ID: 885-22306- Matrix: Solid Analysis Batch: 23384 Analyte Benzene Ethylbenzene Toluene Xylenes, Total Surrogate 4-Bromofluorobenzene (Surr) Lab Sample ID: 885-22306- Matrix: Solid Analysis Batch: 23384 Analyte	Sample Result ND ND ND ND MS %Recovery 101 1 MSD Sample Result	Qualifier MS Qualifier	Added 0.595 0.595 1.79 <i>Limits</i> 48 - 145 Spike Added	Result 0.620 0.611 0.622 1.88	Qualifier	mg/Kg mg/Kg mg/Kg		<u>D</u>	104 103 104	Prep 1 Prep %Rec Limits 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 190 %Rec Limits	Type: To Batch	D: BF- otal/N/ : 23390 otal/N/ : 23390 RPI
Lab Sample ID: 885-22306- Matrix: Solid Analysis Batch: 23384 Analyte Benzene Ethylbenzene Toluene Xylenes, Total Surrogate 4-Bromofluorobenzene (Surr) Lab Sample ID: 885-22306- Matrix: Solid Analysis Batch: 23384 Analyte Benzene	Sample Result ND ND ND MS %Recovery 101 1 MSD Sample Result ND	Qualifier MS Qualifier Sample	Added 0.595 0.595 1.79 Limits 48 - 145 Spike Added 0.595	Result 0.620 0.611 0.622 1.88 MSD Result 0.595	Qualifier	mg/Kg mg/Kg mg/Kg mg/Kg			104 103 104 105 %Rec 100	Prep 1 Prep 2 %Rec Limits 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 Client Sa Prep 1 %Rec Limits 70 - 130	Type: To Batch 	D: BF- otal/N/ : 2339 otal/N/ : 2339 RPI
Lab Sample ID: 885-22306- Matrix: Solid Analysis Batch: 23384 Analyte Benzene Ethylbenzene Toluene Xylenes, Total Surrogate 4-Bromofluorobenzene (Surr) Lab Sample ID: 885-22306- Matrix: Solid Analysis Batch: 23384 Analyte Benzene Ethylbenzene	Sample Result ND ND ND MS %Recovery 101 1 MSD Sample Result ND ND	Qualifier MS Qualifier Sample	Added 0.595 0.595 1.79 Limits 48 - 145 Spike Added 0.595	Result 0.620 0.611 0.622 1.88 MSD Result 0.595 0.596	Qualifier	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg			104 103 104 105 %Rec 100 100	Prep 1 Prep 2 %Rec Limits 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 %Rec Limits 70 - 130 70 - 130 70 - 130	Imple II Type: To Batch Type: To Batch RPD 4 2	D: BF- otal/N/ : 2339 tal/N/ : 2339 Eim 2 2
Lab Sample ID: 885-22306- Matrix: Solid Analysis Batch: 23384 Analyte Benzene Ethylbenzene Toluene Xylenes, Total Surrogate 4-Bromofluorobenzene (Surr) Lab Sample ID: 885-22306- Matrix: Solid Analysis Batch: 23384 Analyte Benzene Ethylbenzene Toluene	Sample Result ND ND ND MS %Recovery 101 1 MSD Sample Result ND	Qualifier MS Qualifier Sample	Added 0.595 0.595 1.79 Limits 48 - 145 Spike Added 0.595 0.595	Result 0.620 0.611 0.622 1.88 MSD Result 0.595 0.596 0.588	Qualifier	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg			104 103 104 105 %Rec 100 100 99	Prep 1 Prep 2 %Rec Limits 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 %Rec Limits 70 - 130 70 - 130 70 - 130 70 - 130	Type: To Batch Description Type: To Batch RPD 4 2 6	D: BF otal/N/ : 2339
Lab Sample ID: 885-22306- Matrix: Solid Analysis Batch: 23384 Analyte Benzene Ethylbenzene Toluene Xylenes, Total Surrogate 4-Bromofluorobenzene (Surr) Lab Sample ID: 885-22306- Matrix: Solid Analysis Batch: 23384 Analyte Benzene Ethylbenzene Toluene	Sample Result ND ND ND MS %Recovery 101 1 MSD Sample Result ND ND	Qualifier MS Qualifier Sample	Added 0.595 0.595 1.79 Limits 48 - 145 Spike Added 0.595	Result 0.620 0.611 0.622 1.88 MSD Result 0.595 0.596	Qualifier	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg			104 103 104 105 %Rec 100 100	Prep 1 Prep 2 %Rec Limits 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 %Rec Limits 70 - 130 70 - 130 70 - 130	Imple II Type: To Batch Type: To Batch RPD 4 2	D: BF otal/N/ : 23390 otal/N/ : 23390 RPI 2 2 2 2
Lab Sample ID: 885-22306- Matrix: Solid Analysis Batch: 23384 Analyte Benzene Ethylbenzene Toluene Xylenes, Total Surrogate 4-Bromofluorobenzene (Surr) Lab Sample ID: 885-22306- Matrix: Solid Analysis Batch: 23384 Analyte Benzene Ethylbenzene Toluene	Sample Result ND ND ND ND MS %Recovery 101 1 MSD Sample Result ND ND ND	Qualifier	Added 0.595 0.595 1.79 Limits 48 - 145 Spike Added 0.595 0.595	Result 0.620 0.611 0.622 1.88 MSD Result 0.595 0.596 0.588	Qualifier	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg			104 103 104 105 %Rec 100 100 99	Prep 1 Prep 2 %Rec Limits 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 %Rec Limits 70 - 130 70 - 130 70 - 130 70 - 130	Type: To Batch Description Type: To Batch RPD 4 2 6	D: BF- otal/N/ : 23390
Lab Sample ID: 885-22306-7 Matrix: Solid Analysis Batch: 23384 Analyte Benzene Ethylbenzene Toluene	Sample Result ND ND ND MS %Recovery 101 1 MSD Sample Result ND ND ND ND ND	Qualifier	Added 0.595 0.595 1.79 Limits 48 - 145 Spike Added 0.595 0.595	Result 0.620 0.611 0.622 1.88 MSD Result 0.595 0.596 0.588	Qualifier	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg			104 103 104 105 %Rec 100 100 99	Prep 1 Prep 2 %Rec Limits 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 %Rec Limits 70 - 130 70 - 130 70 - 130 70 - 130	Type: To Batch Description Type: To Batch RPD 4 2 6	D: BF- otal/N/ : 23390

Job ID: 885-22306-1

Client: Ensolum Project/Site: Chaco Plant Amine

Method: 8015M/D - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 885-23375/1	- A											Client S	ample ID: I		
Matrix: Solid													Prep T	ype: To	otal/N
Analysis Batch: 23370													Prep	Batch:	2337
		ΜВ	MB												
Analyte	Re	sult	Qualifier		RL			Unit		D	Pi	repared	Analyz	ed	Dil Fa
Diesel Range Organics [C10-C28]		ND			10			mg/Kg	1	_	03/3	1/25 09:38	03/31/25 1	5:53	
Motor Oil Range Organics [C28-C40]		ND			50			mg/Kg	1		03/3	1/25 09:38	03/31/25 1	5:53	
		ΜВ	MD												
Surragata	% Basa		Qualifier	Limit								repared	Analum	. d	Dil Fa
Surrogate Di-n-octyl phthalate (Surr)	%Reco	112	Quanner									1/25 09:38	Analyz 03/31/25		DIIFa
		112		02 - 1	04						00/0	1/20 00.00	00/01/20	0.00	
Lab Sample ID: LCS 885-23375/	2-A									C	lient	Sample	ID: Lab Co	ontrol S	ampl
Matrix: Solid													Prep T		
Analysis Batch: 23370														Batch:	
-				Spike		LCS	LCS						%Rec		
Analyte				Added		Result	Quali	fier	Unit		D	%Rec	Limits		
Diesel Range Organics				50.0		41.2			mg/Kg		_	82	60 - 135		
[C10-C28]															
	LCS	LCS													
Surrogate		Qual	ifier	Limits											
Di-n-octyl phthalate (Surr)	99			62 - 134											
Lab Sample ID: 885-22306-1 MS	3												Client Sa	nple IC): BF-
Matrix: Solid													Prep T	ype: To	otal/N
Analysis Batch: 23370													Prep	Batch:	2337
	Sample	Sam	ple	Spike		MS	MS						%Rec		
Analyte	Result	Qual	ifier	Added		Result	Quali	fier	Unit		D	%Rec	Limits		
Diesel Range Organics	ND			46.6		43.8			mg/Kg			94	44 - 136		
[C10-C28]															
	MS	мs													
Surrogate	%Recovery	Qual	ifier	Limits											
Di-n-octyl phthalate (Surr)	95			62 - 134											
	_														
Lab Sample ID: 885-22306-1 MS	D												Client Sa		
Matrix: Solid													Prep T		
Analysis Batch: 23370	. .	•												Batch:	
Analysis	Sample			Spike		MSD		flar	11		~	0/ D	%Rec		RP
Analyte	Result	Qual		Added		Result	Qualit	ner			D	%Rec	Limits		Lim 3
Diesel Range Organics [C10-C28]	ND			49.7		47.9			mg/Kg			96	44 - 136	9	3
[010-020]															
	MSD														
Surrogate	%Recovery	Qual	ifier	Limits											
Di-n-octyl phthalate (Surr)	88			62 - 134											

Lab Sample ID: MB 885-23388/1-A Matrix: Solid Analysis Batch: 23391						Client Sa	mple ID: Metho Prep Type: ⊺ Prep Batcł	Total/NA
	MB	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		1.5	mg/Kg		03/31/25 10:42	03/31/25 12:33	1

QC Sample Results

Job ID: 885-22306-1

Client: Ensolum Project/Site: Chaco Plant Amine

Method: 300.0 - Anions, Ion Chromatography (Continued)

- Lab Sample ID: LCS 885-23388/2-A							Client	Sample	D: Lab Co	ontrol Sa	ample
Matrix: Solid									Prep 1	Type: To	tal/NA
Analysis Batch: 23391									Prep	Batch:	23388
			Spike	LCS	LCS				%Rec		
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits		
Chloride			15.0	14.7		mg/Kg		98	90 - 110		
Lab Sample ID: 885-22306-1 MS									Client Sa	mple ID:	: BF-1
Matrix: Solid									Prep 1	Type: To	tal/NA
Analysis Batch: 23391									Prep	Batch:	23388
-	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Chloride	ND		29.8	ND		mg/Kg		NC	50 - 150		
Lab Sample ID: 885-22306-1 MSD									Client Sa	mple ID:	: BF-1
Matrix: Solid									Prep 1	Type: Tot	tal/NA
Analysis Batch: 23391									Prep	Batch:	23388
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	ND		30.0	ND		mg/Kg		NC	50 - 150	NC	20

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 1

 22306-1

 2

 3

 Sample

 fotal/NA

 1: 23388

 5

 6

 ID: BF-1

 7

 fotal/NA

 n: 23388

 8

 9

 ID: BF-1

 10

 fotal/NA

 11

 12

QC Association Summary

Client: Ensolum Project/Site: Chaco Plant Amine

Analysis Batch: 23383

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
885-22306-1	BF-1	Total/NA	Solid	8015M/D	23396
MB 885-23396/1-A	Method Blank	Total/NA	Solid	8015M/D	23396
LCS 885-23396/3-A	Lab Control Sample	Total/NA	Solid	8015M/D	23396
885-22306-1 MS	BF-1	Total/NA	Solid	8015M/D	23396
885-22306-1 MSD	BF-1	Total/NA	Solid	8015M/D	23396

Analysis Batch: 23384

Lab Sample ID 885-22306-1	Client Sample ID BF-1	Prep Type Total/NA	Matrix Solid	Method 8021B	Prep Batch 23396
MB 885-23396/1-A	Method Blank	Total/NA	Solid	8021B	23396
LCS 885-23396/2-A	Lab Control Sample	Total/NA	Solid	8021B	23396
885-22306-1 MS	BF-1	Total/NA	Solid	8021B	23396
885-22306-1 MSD	BF-1	Total/NA	Solid	8021B	23396

Prep Batch: 23396

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-22306-1	BF-1	Total/NA	Solid	5035	
MB 885-23396/1-A	Method Blank	Total/NA	Solid	5035	
LCS 885-23396/2-A	Lab Control Sample	Total/NA	Solid	5035	
LCS 885-23396/3-A	Lab Control Sample	Total/NA	Solid	5035	
885-22306-1 MS	BF-1	Total/NA	Solid	5035	
885-22306-1 MS	BF-1	Total/NA	Solid	5035	
885-22306-1 MSD	BF-1	Total/NA	Solid	5035	
885-22306-1 MSD	BF-1	Total/NA	Solid	5035	

GC Semi VOA

Analysis Batch: 23370

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
885-22306-1	BF-1	Total/NA	Solid	8015M/D	23375
MB 885-23375/1-A	Method Blank	Total/NA	Solid	8015M/D	23375
LCS 885-23375/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	23375
885-22306-1 MS	BF-1	Total/NA	Solid	8015M/D	23375
885-22306-1 MSD	BF-1	Total/NA	Solid	8015M/D	23375

Prep Batch: 23375

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
885-22306-1	BF-1	Total/NA	Solid	SHAKE	
MB 885-23375/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-23375/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	
885-22306-1 MS	BF-1	Total/NA	Solid	SHAKE	
885-22306-1 MSD	BF-1	Total/NA	Solid	SHAKE	

HPLC/IC

Prep Batch: 23388

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-22306-1	BF-1	Total/NA	Solid	300_Prep	
MB 885-23388/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-23388/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	
885-22306-1 MS	BF-1	Total/NA	Solid	300_Prep	
885-22306-1 MSD	BF-1	Total/NA	Solid	300_Prep	

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Job ID: 885-22306-1

QC Association Summary

Client: Ensolum Project/Site: Chaco Plant Amine

HPLC/IC

Analysis Batch: 23391

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
885-22306-1	BF-1	Total/NA	Solid	300.0	23388
MB 885-23388/1-A	Method Blank	Total/NA	Solid	300.0	23388
CS 885-23388/2-A	Lab Control Sample	Total/NA	Solid	300.0	23388
85-22306-1 MS	BF-1	Total/NA	Solid	300.0	23388
85-22306-1 MSD	BF-1	Total/NA	Solid	300.0	23388

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Job ID: 885-22306-1

Job ID: 885-22306-1

Matrix: Solid

Lab Sample ID: 885-22306-1

Client: Ensolum Project/Site: Chaco Plant Amine

Client Sample ID: BF-1 Date Collected: 03/28/25 09:00

Date Received: 03/29/25 08:40

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5035			23396	JP	EET ALB	03/31/25 11:40
Total/NA	Analysis	8015M/D		1	23383	JP	EET ALB	03/31/25 13:42
Total/NA	Prep	5035			23396	JP	EET ALB	03/31/25 11:40
Total/NA	Analysis	8021B		1	23384	JP	EET ALB	03/31/25 13:42
Total/NA	Prep	SHAKE			23375	MI	EET ALB	03/31/25 09:38
lotal/NA	Analysis	8015M/D		1	23370	MI	EET ALB	03/31/25 14:26
Total/NA	Prep	300_Prep			23388	DL	EET ALB	03/31/25 10:42
īotal/NA	Analysis	300.0		20	23391	DL	EET ALB	03/31/25 12:53

Laboratory References:

EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975

Eurofins Albuquerque

Accreditation/Certification Summary

ne			Job ID: 885-22306-1	2
below are applicable to this report.				
Program	Identification Number	Expiration Date		
NELAP	NM100001	02-26-26	-	5
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	Program	buquerque I below are applicable to this report. Program Identification Number	buquerque I below are applicable to this report. Program Identification Number Expiration Date	he buquerque l below are applicable to this report. Program Identification Number Expiration Date

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07:44	QA/QC	Package: Idard		□ Level 4 (Full Validation)	K	Summ	P - 5	抄出 's (8021)	J / MF	PCB's		8270SIMS		₩0 ₂ , P0 ₄ , 3			Coliform (Present/Absent)					
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			D Othe	•	On Ice:	Y Yes	□ No charely	1	0/	s/8C	64.	5				(A	(Pre					
		(Type)			# of Coolers.	1		B	(GF	cide	po	310	etal	ĝ∕	(> <u>-</u>	E					
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Pa	Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	BTEX / WEBE /	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310	RCRA 8 Metals	CI, Ì≩→Br, NO3,	8260 (VOA)	8270 (Semi-VOA)	Total C					
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4/1/202:	Date. 7286		$\Box M$	bmitted to Hall Environmental may be sul	Received by	Via caurier	- 3/29/25 8:40								_				So	De	9	

<mark>1 <mark>2</mark> 9 8 7 6 5 4 ω 2</mark>

Login Sample Receipt Checklist

Client: Ensolum

Login Number: 22306 List Number: 1 Creator: Casarrubias, Tracy

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

True

Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").

11

List Source: Eurofins Albuquerque

Job Number: 885-22306-1

General Information Phone: (505) 629-6116

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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

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QUESTIONS

Action 451931

QUESTIONS						
Operator:	OGRID:					
Enterprise Field Services, LLC	241602					
PO Box 4324	Action Number:					
Houston, TX 77210	451931					
	Action Type:					
	[C-141] Reclamation Report C-141 (C-141-v-Reclamation)					

QUESTIONS

Incident ID (n#) nAPP2427534650 Incident Name NAPP2427534650 CHACO PLANT WATER/AMINE SPILL @ 0 Incident Type Other	Prerequisites	
	Incident ID (n#)	nAPP2427534650
Incident Type Other	Incident Name	NAPP2427534650 CHACO PLANT WATER/AMINE SPILL @ 0
	Incident Type	Other
Incident Status Reclamation Report Received	Incident Status	Reclamation Report Received

Location of Release Source

Please answer all the questions in this group.							
Site Name	CHACO PLANT WATER/AMINE SPILL						
Date Release Discovered	09/30/2024						
Surface Owner	Private						

Incident Details

Please answer all the questions in this group.							
Incident Type	Other						
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	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Cause: Human Error Frac Tank Other (Specify) Released: 67 BBL Recovered: 25 BBL Lost: 42 BBL.

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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

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QUESTIONS, Page 2

Action 451931

QUESTIONS (continued)		
Operator:	OGRID:	
Enterprise Field Services, LLC	241602	
PO Box 4324	Action Number:	
Houston, TX 77210	451931	
	Action Type:	
	[C-141] Reclamation Report C-141 (C-141-v-Reclamation)	

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	Yes	
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.	
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 s	afety hazard that would result in injury.
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.
	ation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of ed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of valuation in the follow-up C-141 submission.
to report and/or file certain release notifications and perform corrective actions for releat the OCD does not relieve the operator of liability should their operations have failed to a	mowledge and understand that pursuant to OCD rules and regulations all operators are required uses which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface t does not relieve the operator of responsibility for compliance with any other federal, state, or
I hereby agree and sign off to the above statement	Name: Thomas Long Title: Sr Field Environmental Scientist Email: tjlong@eprod.com Date: 10/08/2024

General Information Phone: (505) 629-6116

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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

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QUESTIONS, Page 3

Action 451931

Operator: Enterprise Field Services, LLC	OGRID: 241602
PO Box 4324 Houston, TX 77210	Action Number: 451931
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)
QUESTIONS	
Site Characterization	
Please answer all the questions in this group (only required when seeking remedi	iation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the

QUESTIONS (continued)

release discovery date.		
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Less than or equal 25 (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	Between 1000 (ft.) and ½ (mi.)	
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 (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	Greater than 5 (mi.)	
Any other fresh water well or spring	Greater than 5 (mi.)	
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)	
A wetland	Between 1000 (ft.) and ½ (mi.)	
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 th	nat apply or are indicated. This information must be provided to	the appropriate district office no later than 90 days after the release discovery date.
Requesting a remediation	plan approval with this submission	Yes
Attach a comprehensive report de	monstrating the lateral and vertical extents of soil contaminatio	n associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.
Have the lateral and vertica	I extents of contamination been fully delineated	Yes
Was this release entirely co	ontained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)		
Chloride	(EPA 300.0 or SM4500 CI B)	140
TPH (GRO+DRO+MRO)	(EPA SW-846 Method 8015M)	83
GRO+DRO	(EPA SW-846 Method 8015M)	83
BTEX	(EPA SW-846 Method 8021B or 8260B)	0.1
Benzene	(EPA SW-846 Method 8021B or 8260B)	0.1
	IMAC unless the site characterization report includes complete elines for beginning and completing the remediation.	d efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC
On what estimated date wi	Il the remediation commence	03/12/2025
On what date will (or did) the final sampling or liner inspection occur		03/19/2025
On what date will (or was) the remediation complete(d)		03/19/2025
What is the estimated surfa	ace area (in square feet) that will be reclaimed	5550
What is the estimated volume (in cubic yards) that will be reclaimed		231
What is the estimated surfa	ace area (in square feet) that will be remediated	5550
What is the estimated volu	me (in cubic yards) that will be remediated	231
These estimated dates and measu	rements are recognized to be the best guess or calculation at th	e time of submission and may (be) change(d) over time as more remediation efforts are completed.

The OCD recognizes that proposed remediation measures may have to be minimally 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

QUESTI	ONS (continued)	
Operator:	OGRID:	
Enterprise Field Services, LLC	241602	
PO Box 4324	Action Number:	
Houston, TX 77210	451931	
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)	
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	ENVIROTECH LANDFARM #1 [fEEM0112334691]	
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)	S) Not answered.	
(In Situ) Soil Vapor Extraction	Not answered.	
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.	
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.	
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.	
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.	
OTHER (Non-listed remedial process)	Not answered.	
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed ef which includes the anticipated timelines for beginning and completing the remediation.	forts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC,	
to report and/or file certain release notifications and perform corrective actions for releat the OCD does not relieve the operator of liability should their operations have failed to a	nowledge and understand that pursuant to OCD rules and regulations all operators are required ises which may endanger public health or the environment. The acceptance of a C-141 report by idequately investigate and remediate contamination that pose a threat to groundwater, surface 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: Thomas Long Title: Sr Field Environmental Scientist Email: tjlong@eprod.com Date: 04/15/2025	

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.

Action 451931

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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

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QUESTIONS, Page 5

Action 451931

QUESTIONS (continued)	
Operator: Enterprise Field Services, LLC	OGRID: 241602
PO Box 4324 Houston, TX 77210	Action Number: 451931
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QU	ES	TIC	NS

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of	the following items must be confirmed as part of any request for deferral of remediation.
Requesting a deferral of the remediation closure due date with the approval of this submission	Νο

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

QUESTIONS, Page 6

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Action 451931

QUESTIONS (continued)		
Operator:	OGRID:	
Enterprise Field Services, LLC	241602	
PO Box 4324	Action Number:	
Houston, TX 77210	451931	
	Action Type:	
	[C-141] Reclamation Report C-141 (C-141-v-Reclamation)	

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	445678
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	03/28/2025
What was the (estimated) number of samples that were to be gathered	1
What was the sampling surface area in square feet	400

Remediation	Closure	Request

Only answer the questions in this group if seeking remediation closure for this release because all r	emediation steps have been completed.
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	5550
What was the total volume (cubic yards) remediated	231
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	5550
What was the total volume (in cubic yards) reclaimed	231
Summarize any additional remediation activities not included by answers (above)	None
	closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of
to report and/or file certain release notifications and perform corrective actions for releat the OCD does not relieve the operator of liability should their operations have failed to water, human health or the environment. In addition, OCD acceptance of a C-141 report	knowledge and understand that pursuant to OCD rules and regulations all operators are required ases 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 it does not relieve the operator of responsibility for compliance with any other federal, state, or ially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed ing notification to the OCD when reclamation and re-vegetation are complete.
	Name: Thomas Long

I hereby agree and sign off to the above statement	Name: Thomas Long Title: Sr Field Environmental Scientist
	Email: tjlong@eprod.com
	Date: 04/15/2025

General Information Phone: (505) 629-6116

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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

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QUESTIONS, Page 7

Action 451931

QUESTIONS (continued)		
Operator:	OGRID:	
Enterprise Field Services, LLC	241602	
PO Box 4324	Action Number:	
Houston, TX 77210	451931	
	Action Type:	
	[C-141] Reclamation Report C-141 (C-141-v-Reclamation)	

QUESTIONS

Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	Yes
What was the total reclamation surface area (in square feet) for this site	5550
What was the total volume of replacement material (in cubic yards) for this site	231
Per Paragraph (1) of Subsection D of 19.15.29.13 NMAC the reclamation must contain a minimum of four feet of non-waste containing, uncontaminated, earthen material with chloride concentrations mg/kg as analyzed by EPA Method 300.0, or other test methods approved by the division. The soil cover must include a top layer, which is either the background thickness of topsoil or one foot of su to establish vegetation at the site, whichever is greater.	
Is the soil top layer complete and is it suitable material to establish vegetation	Yes
On what (estimated) date will (or was) the reseeding commence(d)	04/01/2050
Summarize any additional reclamation activities not included by answers (above)	None
	reclamation requirements and any conditions or directives of the OCD. This demonstration should be in the form t field notes, photographs of reclaimed area, and a narrative of the reclamation activities. Refer to 19.15.29.13
to report and/or file certain release notifications and perform corrective actions for release the OCD does not relieve the operator of liability should their operations have failed to water, human health or the environment. In addition, OCD acceptance of a C-141 report	knowledge and understand that pursuant to OCD rules and regulations all operators are required ises which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface t does not relieve the operator of responsibility for compliance with any other federal, state, or ially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed ng notification to the OCD when reclamation and re-vegetation are complete.
I hereby agree and sign off to the above statement	Name: Thomas Long Title: Sr Field Environmental Scientist Email: tjlong@eprod.com Date: 04/15/2025

General Information Phone: (505) 629-6116

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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 (continued)

Operator:	OGRID:
Enterprise Field Services, LLC	241602
PO Box 4324	Action Number:
Houston, TX 77210	451931
	Action Type:
	[C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Revegetation Report

Only answer the questions in this group if all surface restoration, reclamation and re-vegetation obligations have been satisfied

Requesting a restoration complete approval with this submission

No Per Paragraph (4) of Subsection (D) of 19.15.29.13 NMAC for any major or minor release containing liquids, the responsible party must notify the division when reclamation and re-vegetation are complete

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Action 451931

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

CONDITIONS

Operator:	OGRID:
Enterprise Field Services, LLC	241602
PO Box 4324	Action Number:
Houston, TX 77210	451931
	Action Type:
	[C-141] Reclamation Report C-141 (C-141-v-Reclamation)

CONDITIONS		
Create By	d Condition	Condition Date
nvel	Remediation closure and reclamation report are approved, but it should be noted that the incident occurred within an area reasonably needed for production or subsequently drilling operations and that the reclamation portion has not been completed per 19.15.29.13D (2) NMAC.	6/25/2025

CONDITIONS

Action 451931