CARMONA RESOURCES

SITE INFORMATION

Closure Report
NDB Landfill CTP (11.25.2023)
Incident # NAPP2333234964
Lea County, New Mexico
Unit J Sec 22 T24S R33E
32.199944°, -103.556917°

Produced Water Release
Point of Release: Filter pot pressured up causing a gasket failure.
Release Date: 11.25.2023
Volume Released: 30 Barrels of Produced Water
Volume Recovered: 20 Barrels of Produced Water

CARMONA RESOURCES

Prepared for:
NGL Energy Partners, LLC
865 North Albion Street
Denver, CO 80220

Prepared by:
Carmona Resources, LLC
310 West Wall Street
Suite 500
Midland, Texas 79701

310 West Wall Street, Suite 500
Midland TX, 79701
432.813.1992

CARMONA RESOURCES

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310 West Wall Street, Suite 500
Midland TX, 79701
432.813.1992

CARMONA RESOURCES

February 29, 2024

New Mexico Oil Conservation District
1220 South St. Francis Drive
Santa Fe, NM 87505

Re: Closure Report
NDB Landfill CTP (11.25.2023)
NGL Water Solutions Permian, LLC
Incident # NAPP2333234964
Site Location: Unit J Sec 22 T24S R33E
(Lat 32.199944º, Long -103.556917º)
Lea County, New Mexico

To whom it may concern:

On behalf of NGL Energy Partners (NGL), Carmona Resource, LLC has prepared this letter to document site assessment activities for the NDB Landfill CTP (11.25.2023). The site is located at 32.199944°, -103.556917° within Unit J, S22, T24S, R33E in Lea County, New Mexico (Figures 1 and 2).

1.0 Site Information and Background

Based on the initial C-141 obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered on November 25, 2023, caused by a gasket failure due to a pressured-up filter pot. The incident resulted in the release of approximately thirty (30) barrels of produced water with twenty (20) barrels of produced water recovered. The impacted area occurred on the pad, as shown in Figure 3. The initial C-141 form is attached in Appendix C.

2.0 Site Characterization and Groundwater

The site is located within a low karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, one known water source is within a 0.50-mile radius of the location. The nearest identified well is located approximately 0.36 miles East of the site in S23, T24S, R33E and was drilled in 1953. The well has a reported depth to groundwater of 208.66' below ground surface (ft bgs). A copy of the associated Point of Diversion Summary report is attached in Appendix D.

On July 31, 2019, Talon LPE personnel was on a nearby site to drill a groundwater determination bore to 70' bgs, which was approximately 0.42 miles Northeast of the release point. The bore was left open for 72 hours and tagged with a water level meter. No water was detected at 70' below the surface. The coordinates for the groundwater determination bore are 32.204396°, -103.552004°. See Appendix D for the driller's log.

3.0 NMAC Regulatory Criteria

Per the NMOCD regulatory criteria established in 19.15.29.12 NMAC, the following criteria were utilized in assessing the site.

- Benzene: 10 milligrams per kilogram (mg/kg).
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg.
- TPH: 2,500 mg/kg (GRO + DRO + MRO).
- TPH: 1,000 mg/kg (GRO + DRO).
- Chloride: 10,000 mg/kg.

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CARMONA RESOURCES

4.0 Site Assessment Activities

Initial Site Assessment

On December 7, 2023, Carmona Resources, LLC performed site assessment activities to evaluate soil impacts stemming from the release. A total of two (2) sample points (S-1 and S-2), three (3) test trenches (T-1 through T-3), and eight (8) horizontal sample points (H-1 through H-8) were advanced to depths ranging from surface to 4' bgs inside the release area to evaluate the vertical and horizontal extent. See Figure 3 for the soil sample locations. For chemical analysis, the soil samples were collected and placed directly into laboratory-provided sample containers, stored on ice, and transported under the proper chain-of-custody protocol to Eurofins Laboratories in Midland, Texas. The samples were analyzed for total petroleum hydrocarbons (TPH) by EPA method 8015, modified benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B, and chloride by EPA method 300.0. The laboratory reports, including analytical methods, results, and chain-of-custody documents, are attached in Appendix E.

Vertical Delineation

The areas of S-1 and S-2 were not able to be vertically delineated with hand tools due to hard lithology. The areas of T-1 through T-3 were vertically delineated and below regulatory limits for TPH, Benzene, total BTEX, and Chloride concentrations. Refer to Table 1.

Horizontal Delineation

All horizontal sample points were horizontally delineated and below regulatory limits for TPH, Benzene, total BTEX, and Chloride concentrations. Refer to Table 1.

Secondary Site Assessment

On January 25, 2024, Carmona Resources, LLC performed site assessment activities to vertically delineate the areas of S-1 and S-2. A total of two (2) additional test trenches (T-4 and T-5), to delineate the areas of S-1 and S-2, respectively, were advanced to depths ranging from surface to 4' bgs inside the release area. See Figure 3 for the soil sample locations. For chemical analysis, the soil samples were collected and placed directly into laboratory-provided sample containers, stored on ice, and transported under the proper chain-of-custody protocol to Eurofins Laboratories in Midland, Texas. The samples were analyzed for total petroleum hydrocarbons (TPH) by EPA method 8015, modified benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B, and chloride by EPA method 300.0. The laboratory reports, including analytical methods, results, and chain-of-custody documents, are attached in Appendix E.

Vertical Delineation

During this sampling event, the areas of T-4/S-1 and T-5/S-2 were vertically delineated and below regulatory limits for TPH, Benzene, total BTEX, and Chloride concentrations. Refer to Table 1.

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CARMONA RESOURCES

5.0 Conclusions

Based on the assessment results and the analytical data, no further actions are required at the site. The final C-141 is attached, and NGL formally requests the closure of the spill. If you have any questions regarding this report or need additional information, please get in touch with us at 432-813-1992.

Sincerely,
Carmona Resources, LLC

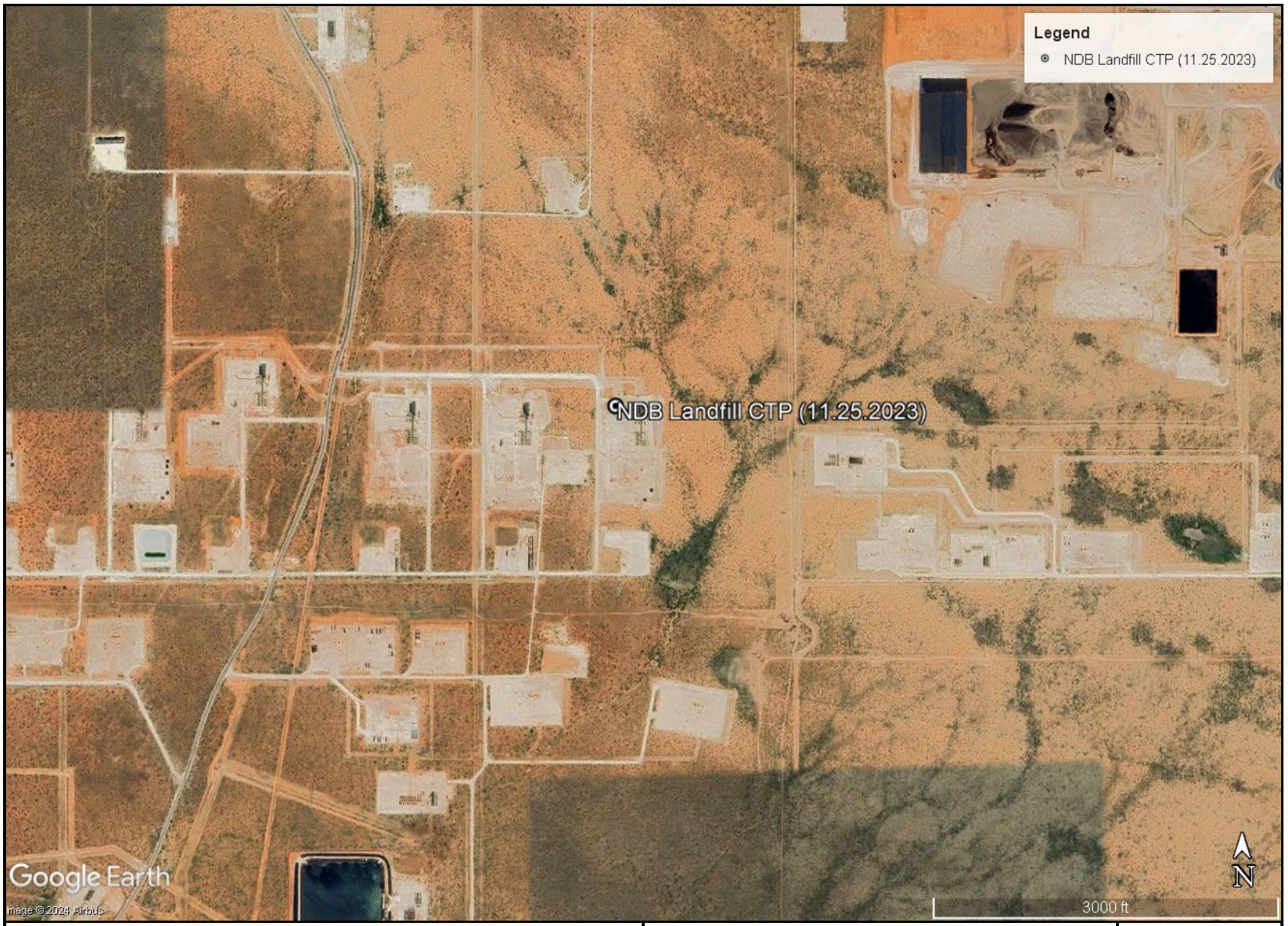
Conner Moehring
Sr. Project Manager

Ashton Thielke
Sr. Project Manager

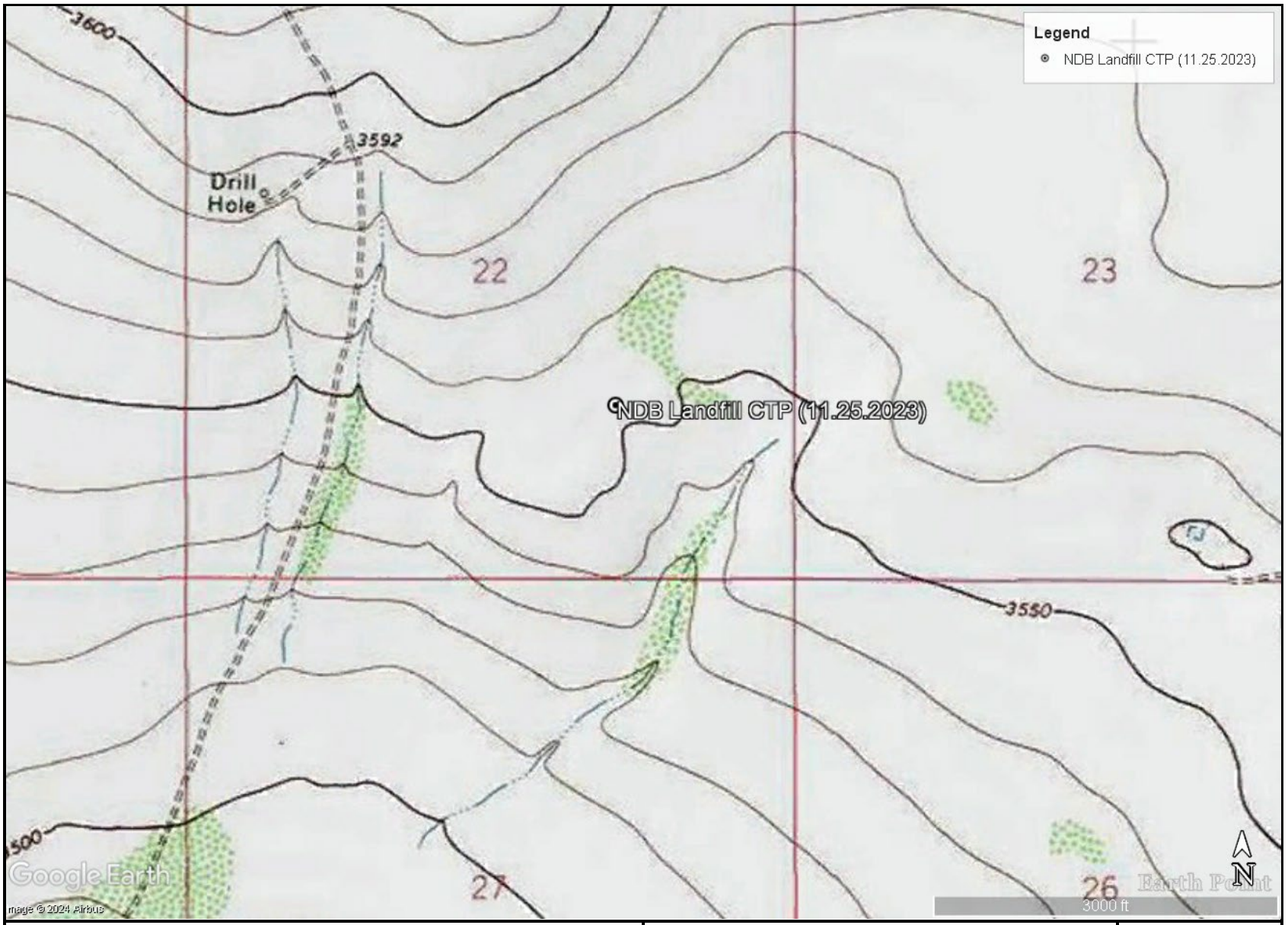
310 West Wall Street, Suite 500
Midland, Texas 79701
432.813.1992

FIGURES

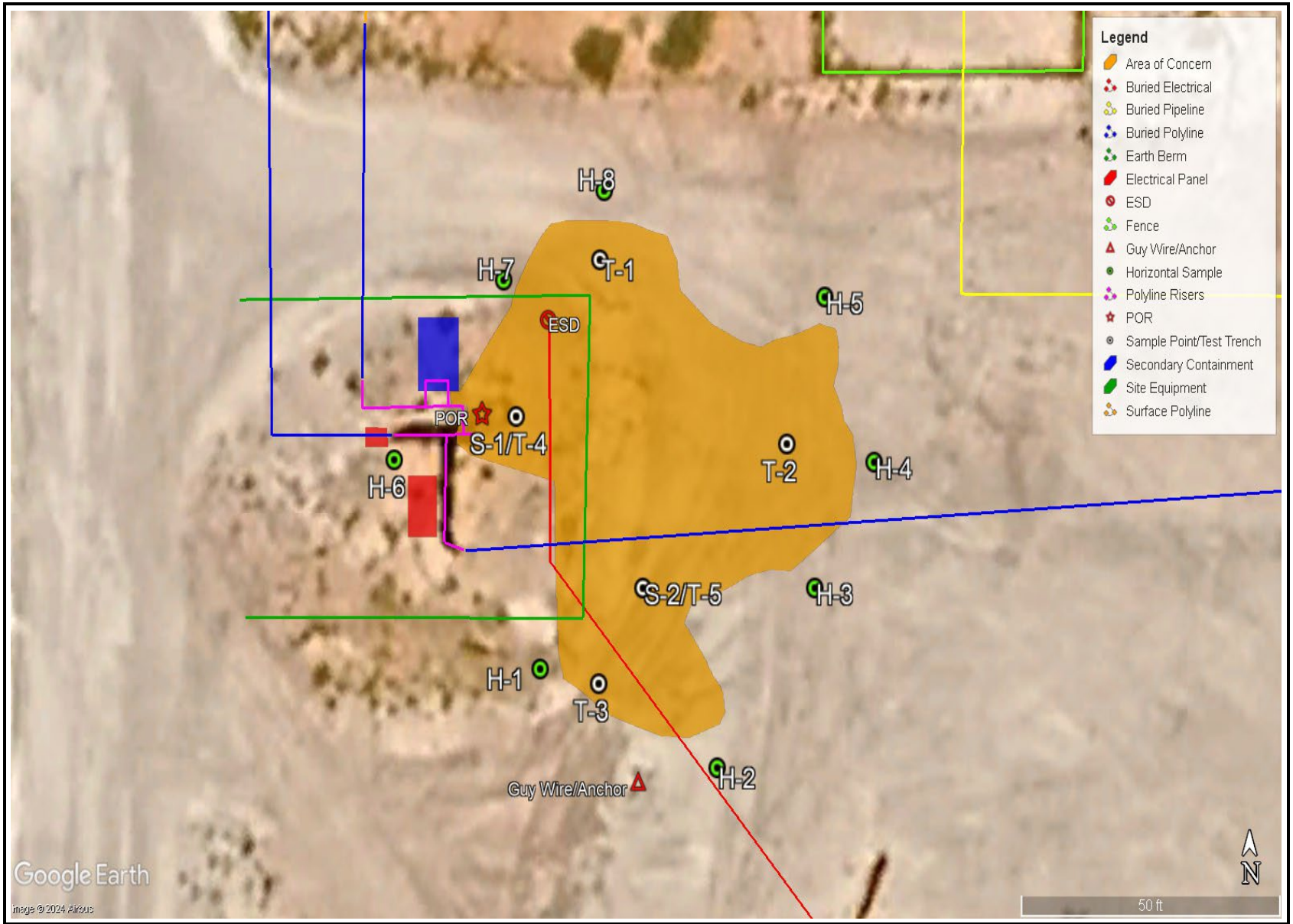
CARMONA RESOURCES



SITE OVERVIEW MAP NGL WATER SOLUTIONS NDB LANDFILL CTP (11.25.2023) LEA COUNTY, NEW MEXICO 32.199944°, -103.556917°	CARMONA RESOURCES	FIGURE 1



TOPOGRAPHIC MAP NGL WATER SOLUTIONS NDB LANDFILL CTP (11.25.2023) LEA COUNTY, NEW MEXICO 32.199944°, -103.556917°	CARMONA RESOURCES	FIGURE 2



SAMPLE LOCATION MAP NGL WATER SOLUTIONS NDB LANDFILL CTP (11.25.2023) LEA COUNTY, NEW MEXICO 32.199944°, -103.556917°	CARMONA RESOURCES	FIGURE 3

APPENDIX A

CARMONA RESOURCES

Table 1
NGL Water Solutions
NDB Landfill CTP
Lea County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
S-1	12/7/2023	0-1.0	<50.5	<50.5	<50.5	<50.5	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	2,650
	"	1.5	<49.7	<49.7	<49.7	<49.7	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	1,120
T-4	1/25/2024	0-1	<49.6	<49.6	<49.6	<49.6	0.00227	<0.00200	<0.00200	<0.00399	<0.00399	3,670
	"	1.5	<50.2	<50.2	<50.2	<50.2	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	1,550
	"	2.0	<50.4	<50.4	<50.4	<50.4	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	2,290
	"	2.5	<50.5	<50.5	<50.5	<50.5	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	82.8
	"	3.0	<49.7	<49.7	<49.7	<49.7	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	91.5
S-2	12/7/2023	0-0.5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	1,630
T-5	1/25/2024	0-1	<50.3	<50.3	<50.3	<50.3	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	1,260
	"	1.5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	345
	"	2.0	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	89.9
	"	2.5	<49.7	<49.7	<49.7	<49.7	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	66.6
	"	3.0	<49.8	51.4	<49.8	51.4	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	79.0
T-1	12/7/2023	0-1.0	<49.6	<49.6	<49.6	<49.6	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	862
	"	1.5	<49.7	<49.7	<49.7	<49.7	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	75.7
	"	2.0	<50.3	<50.3	<50.3	<50.3	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	94.9
	"	3.0	<50.1	<50.1	<50.1	<50.1	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	103
T-2	12/7/2023	0-1.0	<50.4	<50.4	<50.4	<50.4	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	5,030
	"	1.5	<50.5	<50.5	<50.5	<50.5	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	203
	"	2.0	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	384
	"	3.0	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	218
	"	4.0	<49.6	<49.6	<49.6	<49.6	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	140
T-3	12/7/2023	0-1.0	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	4,310
	"	1.5	<50.3	<50.3	<50.3	<50.3	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<4.98
	"	2.0	<50.2	<50.2	<50.2	<50.2	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	14.8
	"	3.0	<50.4	<50.4	<50.4	<50.4	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	17.3
Regulatory Criteria [A]			1,000 mg/kg			2,500 mg/kg	10 mg/kg				50 mg/kg	10,000 mg/kg

(-) Not Analyzed
[A] – Table 1 - 19.15.29 NMAC
mg/kg - milligram per kilogram
TPH - Total Petroleum Hydrocarbons
ft - feet
(S) Sample Point
(T) Trench Sample

Table 1
NGL Water Solutions
NDB Landfill CTP
Lea County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
H-1	12/7/2023	0-0.5	<50.4	<50.4	<50.4	<50.4	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	69.0
H-2	12/7/2023	0-0.5	<50.1	<50.1	<50.1	<50.1	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	34.1
H-3	12/7/2023	0-0.5	<50.1	<50.1	<50.1	<50.1	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	13.3
H-4	12/7/2023	0-0.5	<50.1	<50.1	<50.1	<50.1	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	87.9
H-5	12/7/2023	0-0.5	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	36.4
H-6	12/7/2023	0-0.5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	23.2
H-7	12/7/2023	0-0.5	<49.6	<49.6	<49.6	<49.6	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	22.7
H-8	12/7/2023	0-0.5	<49.8	<49.8	<49.8	<49.8	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	<5.04
Regulatory Criteria [A]			**1,000 mg/kg**			**2,500 mg/kg**	**10 mg/kg**				**50 mg/kg**	**10,000 mg/kg**

(-) Not Analyzed
[A] – Table 1 - 19.15.29 NMAC
mg/kg - milligram per kilogram
TPH - Total Petroleum Hydrocarbons
ft - feet
(H) Horizontal Sample

APPENDIX B

CARMONA RESOURCES

PHOTOGRAPHIC LOG

NGL Energy Partners

Photograph No. 1

Facility: NDB Landfill CTP (11.25.2023)

County: Lea County, New Mexico

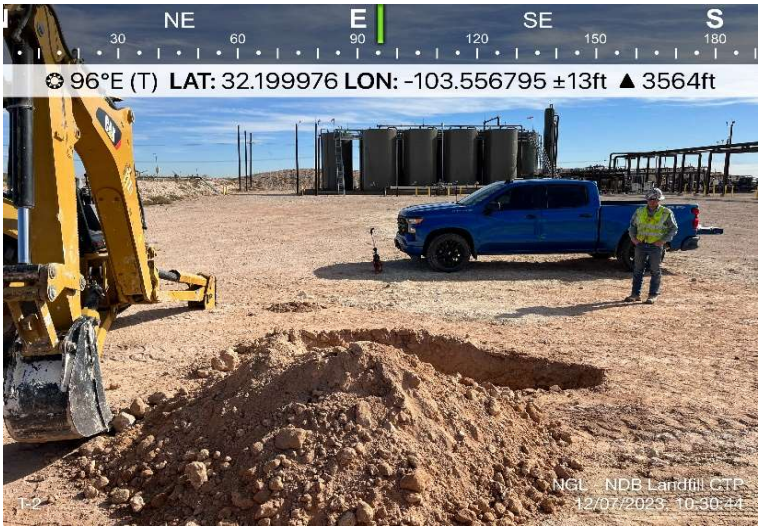
Description:
View West, area of T-1.

Photograph No. 2

Facility: NDB Landfill CTP (11.25.2023)

County: Lea County, New Mexico

Description:
View East, area of T-2.

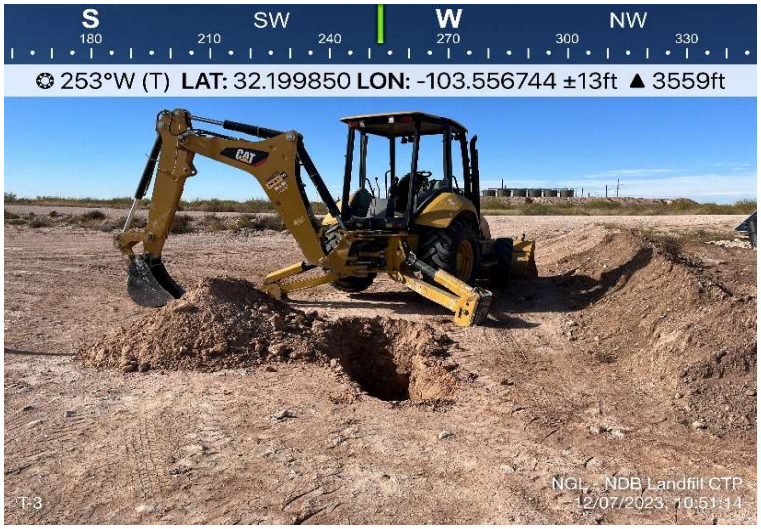


Photograph No. 3

Facility: NDB Landfill CTP (11.25.2023)

County: Lea County, New Mexico

Description:
View West, area of T-3.



PHOTOGRAPHIC LOG

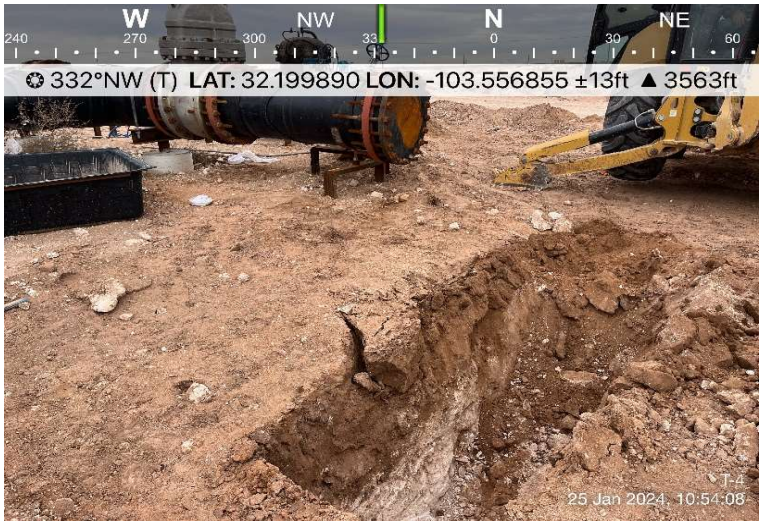
NGL Energy Partners

Photograph No. 4

Facility: NDB Landfill CTP (11.25.2023)

County: Lea County, New Mexico

Description:
View Northwest, areas of T-4/S-1.



Photograph No. 5

Facility: NDB Landfill CTP (11.25.2023)

County: Lea County, New Mexico

Description:
View East, areas of T-5/S-2.

APPENDIX C

CARMONA RESOURCES

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources Department

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

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

Incident ID	nAPP2333234964
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party NGL Water Solutions Permian, LLC	OGRID 372338
Contact Name Joseph Vargo	Contact Telephone 303-815-1010
Contact email Joseph.Vargo@nglep.com	Incident # *(assigned by OCD)* nAPP2333234964
Contact mailing address 865 N. Albion Street, Suite 400, Denver, CO 80220	

Location of Release Source

Latitude 32.199944 Longitude -103.556917
(NAD 83 in decimal degrees to 5 decimal places)

Site Name NDB Landfill CTP	Site Type Produced Water Transfer Location
Date Release Discovered 11.25.23	API# *(if applicable)*

Unit Letter	Section	Township	Range	County
J	22	24S	33E	Lea

Surface Owner: ☐ State ☐ Federal ☐ Tribal ☒ Private (*Name:* NGL Water Solutions, LLC

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

☐ Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
☒ Produced Water	Volume Released (bbls) 30	Volume Recovered (bbls) 20
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☐ Yes ☒ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release

A filter pot pressured up causing a gasket failure resulting in a produced water release. Of the 20 bbls released outside containment, 10 bbls were recovered and part of the remaining 10 bbls migrated onto operator's Tap Rock location. Tap Rock has been notified as well.

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2333234964
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? [X] Yes [ ] No	If YES, for what reason(s) does the responsible party consider this a major release?

If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?

NOR was filed by Joseph Vargo with NGL Water Solutions Permian

Initial Response

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

- [X] The source of the release has been stopped.
- [X] The impacted area has been secured to protect human health and the environment.
- [X] Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.
- [X] All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not been undertaken, explain why:

Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: Joseph Vargo Title: Regulatory Director

Signature: Date: 11.28.23

email: joseph.vargo@nglep.com Telephone: 303-815-1010

OCD Only

Received by: Shelly Wells Date: 11/28/2023

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Operator: NGL WATER SOLUTIONS PERMIAN, LLC 865 North Albion Street Denver, CO 80220	OGRID: 372338
	Action Number: 288863
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
scwells	None	11/28/2023

Incident ID	
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

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

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

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

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

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

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Closure

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

Closure Report Attachment Checklist: ***Each of the following items must be included in the closure report.***

☐ A scaled site and sampling diagram as described in 19.15.29.11 NMAC

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

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

☐ Description of remediation activities

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

Printed Name: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

APPENDIX D

CARMONA RESOURCES

Nearest Water Well

NGL Water Solutions Permian, LLC

Legend

- 0.36 Miles
- 0.42 Miles
- 0.50 Mile Radius
- 0.99 Miles
- 1.01 Miles
- 1.10 Miles
- Groundwater Determination Bore
- NDB Landfill CTP (11.25.2023)
- NMSEO Water Well
- USGS Water Well

110' - Drilled 2013

80' GWDB - 07.31.2019

70' GWDB - 07.31.2019

208.66' - Drilled 1953

NDB Landfill CTP (11.25.2023)

60' GWDB - 08.07.2019

Google Earth

N

3000 ft

Low Karst

NGL Water Solutions Permian, LLC

Legend

- Low
- NDB Landfill CTP (11.25.2023)

NDB Landfill CTP (11.25.2023)

Google Earth

N

1 mi

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)

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters) (In feet)

POD Number	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
C 04339 POD8	CUB	LE	1	1	3	23	24S	33E	636519	3563681	531	30		
C 04339 POD1	CUB	LE	1	3	3	23	24S	33E	636525	3563309	547	47		
C 04339 POD7	CUB	LE	4	4	2	23	24S	33E	636473	3564011	677	43		
C 04339 POD2	CUB	LE	2	3	3	23	24S	33E	636789	3563315	797			
C 04339 POD3	CUB	LE	2	4	3	23	24S	33E	637273	3563323	1271	38		
C 04339 POD4	CUB	LE	2	4	3	23	24S	33E	637273	3563323	1271	47		
C 03600 POD1	CUB	LE	2	2	1	26	24S	33E	637275	3563023	1350			
C 03600 POD4	CUB	LE	3	3	1	26	24S	33E	636617	3562293	1357			
C 04339 POD5	CUB	LE	2	3	4	23	24S	33E	637580	3563328	1574	54		
C 04339 POD6	CUB	LE	3	1	2	23	24S	33E	637340	3564386	1587	60		
C 03662 POD1	C	LE	3	1	2	23	24S	33E	637342	3564428	1612	550	110	440
C 04339 POD10	CUB	LE	4	1	4	23	24S	33E	637688	3563503	1671	49		
C 03600 POD7	CUB	LE	3	1	3	26	24S	33E	636726	3561968	1698			
C 04339 POD9	CUB	LE	3	4	2	23	24S	33E	637731	3563913	1761	45		
C 03601 POD6	CUB	LE	1	4	4	23	24S	33E	637834	3563338	1825			
C 03601 POD2	CUB	LE	3	2	4	23	24S	33E	637846	3563588	1831			
C 04708 POD1	CUB	LE	1	3	4	21	24S	33E	634149	3563262	1883	100		
C 03601 POD7	CUB	LE	4	4	4	23	24S	33E	637946	3563170	1959			
C 03601 POD5	CUB	LE	2	4	4	23	24S	33E	637988	3563334	1980			
C 03600 POD6	CUB	LE	3	1	4	26	24S	33E	637383	3562026	2017			
C 03600 POD3	CUB	LE	3	4	2	26	24S	33E	637784	3562340	2120			
C 03601 POD3	CUB	LE	1	3	3	24	24S	33E	638142	3563413	2128			
C 03601 POD1	CUB	LE	4	4	2	23	24S	33E	638124	3563937	2150			
C 03600 POD5	CUB	LE	3	2	4	26	24S	33E	637857	3562020	2368			
C 03603 POD3	CUB	LE	4	1	1	35	24S	33E	636890	3561092	2571			
C 03603 POD2	CUB	LE	3	1	2	35	24S	33E	637384	3561167	2713			

(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)

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

(quarters are smallest to largest) (NAD83 UTM in meters) (In feet)

POD Number	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
C 03603 POD5	CUB	LE	3	3	2	35	24S	33E	636745	3560767	2838			
C 02564	CUB	LE	2	4	2	33	24S	33E	634839	3560923*	2843	120		
C 03603 POD1	CUB	LE	3	2	2	35	24S	33E	637805	3561225	2902			
C 03917 POD1	C	LE	4	1	3	13	24S	33E	638374	3565212	2907	600	420	180
C 02430	CUB	LE	3	3	3	16	24S	33E	633377	3564732*	2907	643	415	228
C 02563	CUB	LE	1	4	2	33	24S	33E	634639	3560923*	2931	120		
C 03601 POD4	CUB	LE	3	3	3	24	24S	33E	638162	3561375	3027			
C 03600 POD2	CUB	LE	4	4	1	25	24S	33E	638824	3562329	3046			
C 03602 POD2	CUB	LE	4	4	1	25	24S	33E	638824	3562329	3046			
C 02310	CUB	LE	2	4	2	33	24S	33E	634420	3560893	3065	120	70	50
C 02431	CUB	LE	4	4	4	17	24S	33E	633175	3564728*	3090	525	415	110
C 02432	CUB	LE	4	4	4	17	24S	33E	633175	3564728*	3090	640	415	225
C 02311	CUB	LE	2	3	2	33	24S	33E	634391	3560877	3094	120	70	50
C 03603 POD6	CUB	LE	3	1	3	35	24S	33E	636749	3560447	3150			
C 02890	C	LE		2	4	29	24S	33E	633114	3562012*	3266	500		
C 03666 POD1	C	LE	2	3	4	13	24S	33E	639132	3565078	3488	650	390	260
C 03603 POD4	CUB	LE	3	2	4	35	24S	33E	637789	3560461	3527			
C 04741 POD1	CUB	LE	1	2	4	10	24S	33E	636076	3567039	3529	55		
C 02309	CUB	LE	2	2	2	25	24S	33E	639708	3562997	3727	60	30	30
C 02308	CUB	LE	1	3	1	10	24S	33E	634953	3567364*	3996	40	20	20

Average Depth to Water: **235 feet**

Minimum Depth: **20 feet**

Maximum Depth: **420 feet**

Record Count: 46

UTMNAD83 Radius Search (in meters):

Easting (X): 636016 **Northing (Y):** 3563511 **Radius:** 4000

***UTM location was derived from PLSS - see Help**

National Water Information System: Web Interface

USGS Water Resources

Data Category: Groundwater | Geographic Area: New Mexico | GO

Click to hideNews Bulletins

- Explore the *NEW* USGS National Water Dashboard interactive map to access real-time water data from over 13,500 stations nationwide.
- Full News

Groundwater levels for New Mexico

Click to hide state-specific text

Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 321145103330001

Minimum number of levels = 1
Save file of selected sites to local disk for future upload

USGS 321145103330001 24S.33E.23.31322

Lea County, New Mexico
Latitude 32°12'03.2", Longitude 103°33'03.20" NAD83
Land-surface elevation 3,567.00 feet above NGVD29
The depth of the well is 232 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Ogallala Formation (121OGLL) local aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement
1953-11-27		D	62610		3358.34	NGVD29	1	Z		
1953-11-27		D	62611		3360.02	NAVD88	1	Z		
1953-11-27		D	72019	208.66			1	Z		

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static

Section	Code	Description
Method of measurement	Z	Other.
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	A	Approved for publication -- Processing and review completed.

Questions or Comments
Automated retrievals
Help
Data Tips
Explanation of terms
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Accessibility FOIA Privacy Policies and Notices
U.S. Department of the Interior | U.S. Geological Survey
Title: Groundwater for New Mexico: Water Levels
URL: https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?

Page Contact Information: New Mexico Water Data Maintainer
Page Last Modified: 2023-11-29 17:29:50 EST
0.36 0.32 nadww01

WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION

OSE POD NO. (WELL NO.)	WELL TAG ID NO.	OSE FILE NO(S).
POD 7 (VZ-7)		C-4339

WELL OWNER NAME(S)	PHONE (OPTIONAL)
OWL Landfill Services, LLC	214-206-3940

WELL OWNER MAILING ADDRESS	CITY	STATE	ZIP
8214 Westchester Drive, Suite 850	Dallas	TX	75225

WELL LOCATION (FROM GPS)		DEGREES	MINUTES	SECONDS	
	LATITUDE	32	12	15.84	N
	LONGITUDE	-103	33	7.2	W

* ACCURACY REQUIRED: ONE TENTH OF A SECOND
* DATUM REQUIRED: WGS 84

DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS – PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE

Township 24 South, Range 33 East, Section 23, NM (SE, SE, NE)

2. DRILLING & CASING INFORMATION

LICENSE NO.	NAME OF LICENSED DRILLER	NAME OF WELL DRILLING COMPANY
WD-1575	Shane Currie	Talon LPE

DRILLING STARTED	DRILLING ENDED	DEPTH OF COMPLETED WELL (FT)	BORE HOLE DEPTH (FT)	DEPTH WATER FIRST ENCOUNTERED (FT)
07/31/19	07/31/19	43	80	

COMPLETED WELL IS: ☐ ARTESIAN ☑ DRY HOLE ☐ SHALLOW (UNCONFINED) — STATIC WATER LEVEL IN COMPLETED WELL (FT)

DRILLING FLUID: ☑ AIR ☐ MUD ADDITIVES – SPECIFY:

DRILLING METHOD: ☑ ROTARY ☐ HAMMER ☐ CABLE TOOL ☐ OTHER – SPECIFY:

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
+3.22	13.0	7.875	New Plastic PVC Sch. 40	Blank	2		
13.0	43.0	7.875	New Plastic PVC Sch. 40	Screen	2		0.010

3. ANNULAR MATERIAL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT
0	2.5	7.875	Cement	0.80	Tremie
2.5	6.5	7.875	Grout/Bentonite Mix	1.27	Tremie
6.5	9.5	7.875	Bentonite Chips	0.95	Tremie
9.5	43.0	7.875	8/16 Sand	10.66	Tremie
43.0	70.0	7.875	Hole Collapsed	8.59	Tremie

FOR OSE INTERNAL USE — WR-20 WELL RECORD & LOG (Version 04/30/19)

FILE NO. C-4339	POD NO. 7	TRN NO. 654344	
LOCATION 24S.33E.23.244		WELL TAG ID NO. —	PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
0	5	5	Caliche, Fine, Sandy, White	Y ✓ N	
5	10	5	Caliche, Large Clasts, Whte	Y ✓ N	
10	15	5	Caliche, Fine Grained, Sand Mix, Tan to White	Y ✓ N	
15	20	5	Caliche, Sand Mix, with Small Clasts	Y ✓ N	
20	25	5	Caliche, Sand Mix, Large Caliche Clasts, White to Tan	Y ✓ N	
25	30	5	Top of Chinle Formation - Sandstone, Tan to Light Red, Caliche Clasts 30%	Y ✓ N	
30	35	5	Sandstone, Red, Caliche Clasts 10%, White	Y ✓ N	
35	40	5	Sandstone, Red, Caliche Clasts 5%, White	Y ✓ N	
40	45	5	Sandstone, Red, Clay Clasts, 5-10%, Brown to Grey	Y ✓ N	
45	55	10	Sandstone, Red, Clay Beds	Y ✓ N	
55	60	5	Sandstone, Tan to Brown, Claystone Laminae	Y ✓ N	
60	70	10	Sandstone, Fine Tan	Y ✓ N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	

METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:

☐ PUMP ☐ AIR LIFT ☐ BAILER ☐ OTHER – SPECIFY:

TOTAL ESTIMATED WELL YIELD (gpm): 0.00

5. TEST; RIG SUPERVISION

WELL TEST — TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.

MISCELLANEOUS INFORMATION:

PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:

Cesar Munoz

6. SIGNATURE

BY SIGNING BELOW, I CERTIFY THAT TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED WELL. I ALSO CERTIFY THAT THE WELL TAG, IF REQUIRED, HAS BEEN INSTALLED AND THAT THIS WELL RECORD WILL ALSO BE FILED WITH THE PERMIT HOLDER WITHIN 30 DAYS AFTER THE COMPLETION OF WELL DRILLING.

Shane Currie — SIGNATURE OF DRILLER / PRINT SIGNEE NAME

8/19/19 — DATE

FOR OSE INTERNAL USE — WR-20 WELL RECORD & LOG (Version 04/30/2019)

FILE NO. C-4339	POD NO. 7	TRN NO. 654344
LOCATION	WELL TAG ID NO.	PAGE 2 OF 2

WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

2019 AUG 26 AM 8:15

1. GENERAL AND WELL LOCATION

OSE POD NO. (WELL NO.)	WELL TAG ID NO.	OSE FILE NO(S).
POD 6 (VZ-6)		C-4339

WELL OWNER NAME(S)	PHONE (OPTIONAL)
OWL Landfill Services, LLC	214-206-3940

WELL OWNER MAILING ADDRESS	CITY	STATE	ZIP
8214 Westchester Drive, Suite 850	Dallas	TX	75225

WELL LOCATION (FROM GPS)		DEGREES	MINUTES	SECONDS	
	LATITUDE	32	12	27.65	N
	LONGITUDE	-103	32	33.9	W

* ACCURACY REQUIRED: ONE TENTH OF A SECOND
* DATUM REQUIRED: WGS 84

DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS – PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE

Township 24 South, Range 33 East, Section 23, NM (SW, NW, NE)

2. DRILLING & CASING INFORMATION

LICENSE NO.	NAME OF LICENSED DRILLER	NAME OF WELL DRILLING COMPANY
WD-1575	Shane Currie	Talon LPE

DRILLING STARTED	DRILLING ENDED	DEPTH OF COMPLETED WELL (FT)	BORE HOLE DEPTH (FT)	DEPTH WATER FIRST ENCOUNTERED (FT)
07/31/19	07/31/19	60	80	

COMPLETED WELL IS: ☐ ARTESIAN ☑ DRY HOLE ☐ SHALLOW (UNCONFINED) — STATIC WATER LEVEL IN COMPLETED WELL (FT)

DRILLING FLUID: ☑ AIR ☐ MUD ADDITIVES – SPECIFY:

DRILLING METHOD: ☑ ROTARY ☐ HAMMER ☐ CABLE TOOL ☐ OTHER – SPECIFY:

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
+3.39	30.0	7.875	New Plastic PVC Sch. 40	Blank	2		
30.0	60.0	7.875	New Plastic PVC Sch. 40	Screen	2		0.010

3. ANNULAR MATERIAL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT
0	2.5	7.875	Cement	0.80	Tremie
2.5	23.5	7.875	Grout/Bentonite Mix	6.68	Tremie
23.5	26.5	7.875	Bentonite Chips	0.95	Tremie
26.5	60.0	7.875	8/16 Sand	10.66	Tremie
60.0	80.0	7.875	Backfill with Drill Cutting	6.37	Tremie

FOR OSE INTERNAL USE — WR-20 WELL RECORD & LOG (Version 04/30/19)

FILE NO. C-4339	POD NO. 6	TRN NO. 654344	
LOCATION 24S.33E.23.213		WELL TAG ID NO. —	PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES **(attach supplemental sheets to fully describe all units)**	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
0	10	10	Caliche, Grey, Mostly Fines, Slightly Moist	Y ✓ N	
10	15	5	Caliche, Light Tan, Mostly Fine	Y ✓ N	
15	20	5	Caliche, Tan	Y ✓ N	
20	25	5	Sand, Medium Grained, Light Brown	Y ✓ N	
25	33	8	Sand, Medium Grained, Light Brown to Red, Gravelly, Fine, 5-10%	Y ✓ N	
33	35	3	Top of Chinle Formation - Shale, Inter-bedded Fine Sandstone, Red to Brown	Y ✓ N	
35	40	5	Siltstone, Light Tan	Y ✓ N	
40	50	10	Sandstone, Dark Grey, Gravelly 2-5%	Y ✓ N	
50	58	8	Siltstone and Fine Sandstone, Inter-bedded, Green	Y ✓ N	
58	62	4	Shale, Red Clayey	Y ✓ N	
62	65	3	Sandstone, Fine, Green	Y ✓ N	
65	80	15	Red to Grey Shale to 80	Y ✓ N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	

METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:

☐ PUMP ☐ AIR LIFT ☐ BAILER ☐ OTHER – SPECIFY:

TOTAL ESTIMATED WELL YIELD (gpm): 0.00

5. TEST; RIG SUPERVISION

WELL TEST: TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.

MISCELLANEOUS INFORMATION:

PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:

Cesar Munoz

6. SIGNATURE

BY SIGNING BELOW, I CERTIFY THAT TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED WELL. I ALSO CERTIFY THAT THE WELL TAG, IF REQUIRED, HAS BEEN INSTALLED AND THAT THIS WELL RECORD WILL ALSO BE FILED WITH THE PERMIT HOLDER WITHIN 30 DAYS AFTER THE COMPLETION OF WELL DRILLING.

Shane Currie — SIGNATURE OF DRILLER / PRINT SIGNEE NAME

8/19/19 — DATE

FOR OSE INTERNAL USE — WR-20 WELL RECORD & LOG (Version 04/30/2019)

FILE NO. C-4339	POD NO. 6	TRN NO. 654344
LOCATION	WELL TAG ID NO.	PAGE 2 OF 2

New Mexico Office of the State Engineer

Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
	C 03662 POD1	3	1	2	23	24S	33E	637342	3564428

Driller License:	1654	**Driller Company:**	NOT WORKING FOR HIRE--SIRMAN DRILLING AND CONSTRUC		
Driller Name:					
Drill Start Date:	08/19/2013	**Drill Finish Date:**	08/20/2013	**Plug Date:**	
Log File Date:	09/16/2013	**PCW Rcv Date:**		**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	10 GPM
Casing Size:	6.00	**Depth Well:**	550 feet	**Depth Water:**	110 feet

Water Bearing Stratifications:	Top	Bottom	Description
	250	275	Sandstone/Gravel/Conglomerate

Casing Perforations:	Top	Bottom
	280	360

WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION

OSE POD NO. (WELL NO.)	WELL TAG ID NO.	OSE FILE NO(S).
POD 5 (VZ-5)		C-4339

WELL OWNER NAME(S)	PHONE (OPTIONAL)
OWL Landfill Services, LLC	214-206-3940

WELL OWNER MAILING ADDRESS	CITY	STATE	ZIP
8214 Westchester Drive, Suite 850	Dallas	TX	75225

WELL LOCATION (FROM GPS)		DEGREES	MINUTES	SECONDS	
	LATITUDE	32	11	33.18	N
	LONGITUDE	-103	32	25.3	W

* ACCURACY REQUIRED: ONE TENTH OF A SECOND
* DATUM REQUIRED: WGS 84

DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS – PLSS (SECTION, TOWNSHJIP, RANGE) WHERE AVAILABLE
Township 24 South, Range 33 East, Section 23, NM

2. DRILLING & CASING INFORMATION

LICENSE NO.	NAME OF LICENSED DRILLER	NAME OF WELL DRILLING COMPANY
WD-1575	Shane Currie	Talon LPE

DRILLING STARTED	DRILLING ENDED	DEPTH OF COMPLETED WELL (FT)	BORE HOLE DEPTH (FT)	DEPTH WATER FIRST ENCOUNTERED (FT)
08/06/19	08/07/19	54	60	

COMPLETED WELL IS: ☐ ARTESIAN ☑ DRY HOLE ☐ SHALLOW (UNCONFINED)

STATIC WATER LEVEL IN COMPLETED WELL (FT):

DRILLING FLUID: ☑ AIR ☐ MUD ADDITIVES – SPECIFY:

DRILLING METHOD: ☑ ROTARY ☐ HAMMER ☐ CABLE TOOL ☐ OTHER – SPECIFY:

DEPTH (feet bgl) FROM	TO	BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
+3.61	24.0	7.875	New Plastic PVC Sch. 40	Blank	2		
24.0	54	7.875	New Plastic PVC Sch. 40	Screen	2		0.010

3. ANNULAR MATERIAL

DEPTH (feet bgl) FROM	TO	BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT
0	2.5	7.875	Cement	0.80	Tremie
2.5	16.0	7.875	Grout/Bentonite Mix	4.30	Tremie
16.0	19.0	7.875	Bentonite Chips	0.95	Tremie
19.0	60.0	7.875	8/16 Sand	13.05	Tremie

FOR OSE INTERNAL USE — WR-20 WELL RECORD & LOG (Version 04/30/19)

FILE NO. C-4339	POD NO. 5	TRN NO. 654344
LOCATION 24S.33E.23.432	WELL TAG ID NO. —	PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL

DEPTH (feet bgl) FROM	TO	THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
0	5	5	Caliche, White, Sand, Tan, Medium Caliche Clasts	Y ✓ N	
5	10	5	Caliche with Sand, Tan to Pink, Small Caliche Clasts	Y ✓ N	
10	15	5	Mixed Sand and Caliche, Tan, Fine Caliche Clasts	Y ✓ N	
15	20	5	Caliche, White, 60%, Fine Sand, Brown 40%	Y ✓ N	
20	25	5	Sand, Light Pink, 50% Caliche, White 50%	Y ✓ N	
25	30	5	Sand, Fine, Light Tan, Dry, Trace Fine Gravel	Y ✓ N	
30	35	5	Sand, Fine, Light Tan, Moist	Y ✓ N	
35	40	5	Sand, Brown, Moist	Y ✓ N	
40	45	5	Top of Chinle Formation - Red and Grey Sandstone, 70% and 30%	Y ✓ N	
45	50	5	Grey Sandstone, Moist, Trace of Clay and Shale Clasts	Y ✓ N	
50	55	5	Grey Sandstone, and Shale, Interbedded	Y ✓ N	
55	60	5	Shale, Red, Clayey	Y ✓ N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	

METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:

☐ PUMP ☐ AIR LIFT ☐ BAILER ☐ OTHER – SPECIFY:

TOTAL ESTIMATED WELL YIELD (gpm): 0.00

5. TEST; RIG SUPERVISION

WELL TEST — TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.

MISCELLANEOUS INFORMATION:

PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:

Cesar Munoz

6. SIGNATURE

BY SIGNING BELOW, I CERTIFY THAT TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED WELL. I ALSO CERTIFY THAT THE WELL TAG, IF REQUIRED, HAS BEEN INSTALLED AND THAT THIS WELL RECORD WILL ALSO BE FILED WITH THE PERMIT HOLDER WITHIN 30 DAYS AFTER THE COMPLETION OF WELL DRILLING.

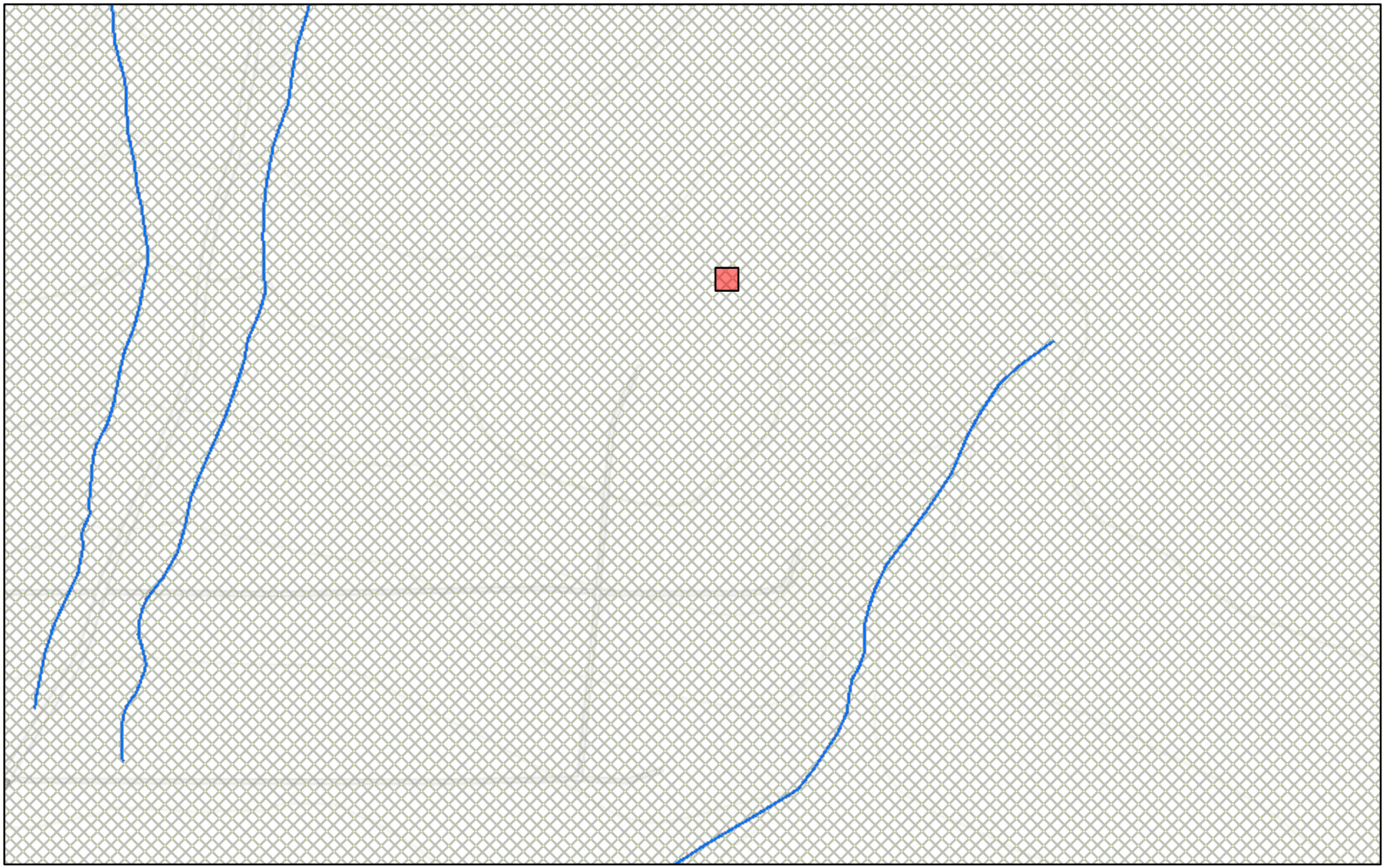
Shane Currie — SIGNATURE OF DRILLER / PRINT SIGNEE NAME

8/19/19 — DATE

FOR OSE INTERNAL USE — WR-20 WELL RECORD & LOG (Version 04/30/2019)

FILE NO. C-4339	POD NO. 5	TRN NO. 654344
LOCATION	WELL TAG ID NO.	PAGE 2 OF 2

New Mexico NFHL Data



November 29, 2023

1:9,028

0 0.05 0.1 0.2 mi

0 0.1 0.2 0.4 km

APPENDIX E

CARMONA RESOURCES

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Conner Moehring
Carmona Resources
310 W Wall St
Ste 500
Midland, Texas 79701

Generated 12/13/2023 10:24:49 AM

JOB DESCRIPTION

NDB Landfill CTP
Lea County, New Mexico

JOB NUMBER

880-36715-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

my EOL

Eurofins Midland

Job Notes

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

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

Authorization

Generated
12/13/2023 10:24:49 AM

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

Client: Carmona Resources
Project/Site: NDB Landfill CTP

Laboratory Job ID: 880-36715-1
SDG: Lea County, New Mexico

Table of Contents

Definitions/Glossary

Client: Carmona Resources
Project/Site: NDB Landfill CTP

Job ID: 880-36715-1
SDG: Lea County, New Mexico

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
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

Client: Carmona Resources
Project/Site: NDB Landfill CTP

Job ID: 880-36715-1
SDG: Lea County, New Mexico

Job ID: 880-36715-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-36715-1

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

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

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

Receipt
The samples were received on 12/8/2023 2:36 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -0.5°C

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: H-1 (0-0.5') (880-36715-1), H-2 (0-0.5') (880-36715-2), H-3 (0-0.5') (880-36715-3), H-4 (0-0.5') (880-36715-4), H-5 (0-0.5') (880-36715-5), H-6 (0-0.5') (880-36715-6), H-7 (0-0.5') (880-36715-7) and H-8 (0-0.5') (880-36715-8).

GC VOA
Method 8021B: Surrogate recovery for the following samples were outside control limits: H-5 (0-0.5') (880-36715-5), H-6 (0-0.5') (880-36715-6) and H-8 (0-0.5') (880-36715-8). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-68892 and 880-68892 and analytical batch 880-68889 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

GC Semi VOA
Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-68712 and analytical batch 880-68739 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (CCV 880-68739/20), (CCV 880-68739/31) and (CCV 880-68739/5). Evidence of matrix interferences is not obvious.

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

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

Client Sample Results

Client: Carmona Resources
Project/Site: NDB Landfill CTP

Job ID: 880-36715-1
SDG: Lea County, New Mexico

Client Sample ID: H-1 (0-0.5')

Lab Sample ID: 880-36715-1
Matrix: Solid
Date Collected: 12/07/23 00:00
Date Received: 12/08/23 14:36

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/12/23 11:12	12/12/23 19:15	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/12/23 11:12	12/12/23 19:15	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/12/23 11:12	12/12/23 19:15	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		12/12/23 11:12	12/12/23 19:15	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/12/23 11:12	12/12/23 19:15	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		12/12/23 11:12	12/12/23 19:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*86*		*70 - 130*	*12/12/23 11:12*	*12/12/23 19:15*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*12/12/23 11:12*	*12/12/23 19:15*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			12/12/23 19:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			12/09/23 15:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		12/08/23 16:41	12/09/23 15:25	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		12/08/23 16:41	12/09/23 15:25	1
OII Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		12/08/23 16:41	12/09/23 15:25	1
Total TPH	<50.4	U	50.4		mg/Kg		12/08/23 16:41	12/09/23 15:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*94*		*70 - 130*	*12/08/23 16:41*	*12/09/23 15:25*	*1*
o-Terphenyl	*101*		*70 - 130*	*12/08/23 16:41*	*12/09/23 15:25*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**69.0**		5.05		mg/Kg			12/13/23 04:35	1

Client Sample ID: H-2 (0-0.5')

Lab Sample ID: 880-36715-2
Matrix: Solid
Date Collected: 12/07/23 00:00
Date Received: 12/08/23 14:36

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/12/23 11:12	12/12/23 19:35	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/12/23 11:12	12/12/23 19:35	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/12/23 11:12	12/12/23 19:35	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/12/23 11:12	12/12/23 19:35	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/12/23 11:12	12/12/23 19:35	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/12/23 11:12	12/12/23 19:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*	*12/12/23 11:12*	*12/12/23 19:35*	*1*
1,4-Difluorobenzene (Surr)	*115*		*70 - 130*	*12/12/23 11:12*	*12/12/23 19:35*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: NDB Landfill CTP

Job ID: 880-36715-1
SDG: Lea County, New Mexico

Client Sample ID: H-2 (0-0.5')

Date Collected: 12/07/23 00:00
Date Received: 12/08/23 14:36

Lab Sample ID: 880-36715-2
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/12/23 19:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			12/09/23 15:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		12/08/23 16:41	12/09/23 15:47	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		12/08/23 16:41	12/09/23 15:47	1
OII Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		12/08/23 16:41	12/09/23 15:47	1
Total TPH	<50.1	U	50.1		mg/Kg		12/08/23 16:41	12/09/23 15:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*93*		*70 - 130*	*12/08/23 16:41*	*12/09/23 15:47*	*1*
o-Terphenyl	*100*		*70 - 130*	*12/08/23 16:41*	*12/09/23 15:47*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**34.1**		5.05		mg/Kg			12/13/23 04:42	1

Client Sample ID: H-3 (0-0.5')

Date Collected: 12/07/23 00:00
Date Received: 12/08/23 14:36

Lab Sample ID: 880-36715-3
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/12/23 11:12	12/12/23 19:56	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/12/23 11:12	12/12/23 19:56	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/12/23 11:12	12/12/23 19:56	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		12/12/23 11:12	12/12/23 19:56	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/12/23 11:12	12/12/23 19:56	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		12/12/23 11:12	12/12/23 19:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*	*12/12/23 11:12*	*12/12/23 19:56*	*1*
1,4-Difluorobenzene (Surr)	*118*		*70 - 130*	*12/12/23 11:12*	*12/12/23 19:56*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			12/12/23 19:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			12/09/23 16:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		12/08/23 16:41	12/09/23 16:09	1

Client Sample Results

Client: Carmona Resources
Project/Site: NDB Landfill CTP

Job ID: 880-36715-1
SDG: Lea County, New Mexico

Client Sample ID: H-3 (0-0.5')

Lab Sample ID: 880-36715-3
Matrix: Solid
Date Collected: 12/07/23 00:00
Date Received: 12/08/23 14:36

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		12/08/23 16:41	12/09/23 16:09	1
OII Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		12/08/23 16:41	12/09/23 16:09	1
Total TPH	<50.1	U	50.1		mg/Kg		12/08/23 16:41	12/09/23 16:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*95*		*70 - 130*	*12/08/23 16:41*	*12/09/23 16:09*	*1*
o-Terphenyl	*103*		*70 - 130*	*12/08/23 16:41*	*12/09/23 16:09*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**13.3**		5.02		mg/Kg			12/13/23 04:48	1

Client Sample ID: H-4 (0-0.5')

Lab Sample ID: 880-36715-4
Matrix: Solid
Date Collected: 12/07/23 00:00
Date Received: 12/08/23 14:36

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/12/23 11:12	12/12/23 20:16	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/12/23 11:12	12/12/23 20:16	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/12/23 11:12	12/12/23 20:16	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/12/23 11:12	12/12/23 20:16	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/12/23 11:12	12/12/23 20:16	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/12/23 11:12	12/12/23 20:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*70 - 130*	*12/12/23 11:12*	*12/12/23 20:16*	*1*
1,4-Difluorobenzene (Surr)	*116*		*70 - 130*	*12/12/23 11:12*	*12/12/23 20:16*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/12/23 20:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			12/09/23 16:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		12/08/23 16:41	12/09/23 16:31	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		12/08/23 16:41	12/09/23 16:31	1
OII Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		12/08/23 16:41	12/09/23 16:31	1
Total TPH	<50.1	U	50.1		mg/Kg		12/08/23 16:41	12/09/23 16:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*88*		*70 - 130*	*12/08/23 16:41*	*12/09/23 16:31*	*1*
o-Terphenyl	*96*		*70 - 130*	*12/08/23 16:41*	*12/09/23 16:31*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: NDB Landfill CTP

Job ID: 880-36715-1
SDG: Lea County, New Mexico

Client Sample ID: H-4 (0-0.5')

Lab Sample ID: 880-36715-4
Matrix: Solid
Date Collected: 12/07/23 00:00
Date Received: 12/08/23 14:36

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	87.9		4.98		mg/Kg			12/13/23 04:55	1

Client Sample ID: H-5 (0-0.5')

Lab Sample ID: 880-36715-5
Matrix: Solid
Date Collected: 12/07/23 00:00
Date Received: 12/08/23 14:36

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		12/12/23 11:12	12/12/23 20:37	1
Toluene	<0.00198	U	0.00198		mg/Kg		12/12/23 11:12	12/12/23 20:37	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		12/12/23 11:12	12/12/23 20:37	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		12/12/23 11:12	12/12/23 20:37	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		12/12/23 11:12	12/12/23 20:37	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		12/12/23 11:12	12/12/23 20:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*131*	*S1+*	*70 - 130*	*12/12/23 11:12*	*12/12/23 20:37*	*1*
1,4-Difluorobenzene (Surr)	*152*	*S1+*	*70 - 130*	*12/12/23 11:12*	*12/12/23 20:37*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			12/12/23 20:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/09/23 16:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/08/23 16:41	12/09/23 16:53	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/08/23 16:41	12/09/23 16:53	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/08/23 16:41	12/09/23 16:53	1
Total TPH	<50.0	U	50.0		mg/Kg		12/08/23 16:41	12/09/23 16:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*95*		*70 - 130*	*12/08/23 16:41*	*12/09/23 16:53*	*1*
o-Terphenyl	*104*		*70 - 130*	*12/08/23 16:41*	*12/09/23 16:53*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	36.4		5.02		mg/Kg			12/13/23 05:14	1

Client Sample ID: H-6 (0-0.5')

Lab Sample ID: 880-36715-6
Matrix: Solid
Date Collected: 12/07/23 00:00
Date Received: 12/08/23 14:36

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/12/23 11:12	12/12/23 20:57	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/12/23 11:12	12/12/23 20:57	1

Client Sample Results

Client: Carmona Resources
Project/Site: NDB Landfill CTP

Job ID: 880-36715-1
SDG: Lea County, New Mexico

Client Sample ID: H-6 (0-0.5')

Date Collected: 12/07/23 00:00
Date Received: 12/08/23 14:36

Lab Sample ID: 880-36715-6
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/12/23 11:12	12/12/23 20:57	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		12/12/23 11:12	12/12/23 20:57	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/12/23 11:12	12/12/23 20:57	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		12/12/23 11:12	12/12/23 20:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*12/12/23 11:12*	*12/12/23 20:57*	*1*
1,4-Difluorobenzene (Surr)	*131*	*S1+*	*70 - 130*	*12/12/23 11:12*	*12/12/23 20:57*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			12/12/23 20:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/09/23 17:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/08/23 16:41	12/09/23 17:15	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/08/23 16:41	12/09/23 17:15	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/08/23 16:41	12/09/23 17:15	1
Total TPH	<49.9	U	49.9		mg/Kg		12/08/23 16:41	12/09/23 17:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*93*		*70 - 130*	*12/08/23 16:41*	*12/09/23 17:15*	*1*
o-Terphenyl	*100*		*70 - 130*	*12/08/23 16:41*	*12/09/23 17:15*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**23.2**		5.01		mg/Kg			12/13/23 05:21	1

Client Sample ID: H-7 (0-0.5')

Date Collected: 12/07/23 00:00
Date Received: 12/08/23 14:36

Lab Sample ID: 880-36715-7
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/12/23 11:12	12/12/23 21:18	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/12/23 11:12	12/12/23 21:18	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/12/23 11:12	12/12/23 21:18	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/12/23 11:12	12/12/23 21:18	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/12/23 11:12	12/12/23 21:18	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/12/23 11:12	12/12/23 21:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*12/12/23 11:12*	*12/12/23 21:18*	*1*
1,4-Difluorobenzene (Surr)	*129*		*70 - 130*	*12/12/23 11:12*	*12/12/23 21:18*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: NDB Landfill CTP

Job ID: 880-36715-1
SDG: Lea County, New Mexico

Client Sample ID: H-7 (0-0.5')

Lab Sample ID: 880-36715-7
Matrix: Solid
Date Collected: 12/07/23 00:00
Date Received: 12/08/23 14:36

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/12/23 21:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			12/09/23 17:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		12/08/23 16:41	12/09/23 17:36	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		12/08/23 16:41	12/09/23 17:36	1
OII Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		12/08/23 16:41	12/09/23 17:36	1
Total TPH	<49.6	U	49.6		mg/Kg		12/08/23 16:41	12/09/23 17:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*109*		*70 - 130*	*12/08/23 16:41*	*12/09/23 17:36*	*1*
o-Terphenyl	*118*		*70 - 130*	*12/08/23 16:41*	*12/09/23 17:36*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**22.7**		4.97		mg/Kg			12/13/23 05:41	1

Client Sample ID: H-8 (0-0.5')

Lab Sample ID: 880-36715-8
Matrix: Solid
Date Collected: 12/07/23 00:00
Date Received: 12/08/23 14:36

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		12/12/23 11:12	12/12/23 21:38	1
Toluene	<0.00198	U	0.00198		mg/Kg		12/12/23 11:12	12/12/23 21:38	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		12/12/23 11:12	12/12/23 21:38	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		12/12/23 11:12	12/12/23 21:38	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		12/12/23 11:12	12/12/23 21:38	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		12/12/23 11:12	12/12/23 21:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*	*12/12/23 11:12*	*12/12/23 21:38*	*1*
1,4-Difluorobenzene (Surr)	*145*	*S1+*	*70 - 130*	*12/12/23 11:12*	*12/12/23 21:38*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			12/12/23 21:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			12/09/23 17:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		12/08/23 16:41	12/09/23 17:58	1

Client Sample Results

Client: Carmona Resources
Project/Site: NDB Landfill CTP

Job ID: 880-36715-1
SDG: Lea County, New Mexico

Client Sample ID: H-8 (0-0.5')
Date Collected: 12/07/23 00:00
Date Received: 12/08/23 14:36

Lab Sample ID: 880-36715-8
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/08/23 16:41	12/09/23 17:58	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/08/23 16:41	12/09/23 17:58	1
Total TPH	<49.8	U	49.8		mg/Kg		12/08/23 16:41	12/09/23 17:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*91*		*70 - 130*	*12/08/23 16:41*	*12/09/23 17:58*	*1*
o-Terphenyl	*98*		*70 - 130*	*12/08/23 16:41*	*12/09/23 17:58*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.04	U	5.04		mg/Kg			12/13/23 05:47	1

Surrogate Summary

Client: Carmona Resources
Project/Site: NDB Landfill CTP

Job ID: 880-36715-1
SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-36715-1	H-1 (0-0.5')	86	107
880-36715-2	H-2 (0-0.5')	94	115
880-36715-3	H-3 (0-0.5')	95	118
880-36715-4	H-4 (0-0.5')	88	116
880-36715-5	H-5 (0-0.5')	131 S1+	152 S1+
880-36715-6	H-6 (0-0.5')	102	131 S1+
880-36715-7	H-7 (0-0.5')	108	129
880-36715-8	H-8 (0-0.5')	121	145 S1+
880-36795-A-1-D MS	Matrix Spike	116	117
880-36795-A-1-E MSD	Matrix Spike Duplicate	95	107
LCS 880-68892/1-A	Lab Control Sample	98	98
LCSD 880-68892/2-A	Lab Control Sample Dup	99	107
MB 880-68892/5-A	Method Blank	96	129

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-36705-A-8-C MS	Matrix Spike	102	100
880-36705-A-8-D MSD	Matrix Spike Duplicate	92	90
880-36715-1	H-1 (0-0.5')	94	101
880-36715-2	H-2 (0-0.5')	93	100
880-36715-3	H-3 (0-0.5')	95	103
880-36715-4	H-4 (0-0.5')	88	96
880-36715-5	H-5 (0-0.5')	95	104
880-36715-6	H-6 (0-0.5')	93	100
880-36715-7	H-7 (0-0.5')	109	118
880-36715-8	H-8 (0-0.5')	91	98
LCS 880-68712/2-A	Lab Control Sample	90	106
LCSD 880-68712/3-A	Lab Control Sample Dup	100	117
MB 880-68712/1-A	Method Blank	153 S1+	185 S1+

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Carmona Resources
Project/Site: NDB Landfill CTP

Job ID: 880-36715-1
SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-68892/5-A
Matrix: Solid
Analysis Batch: 68889

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 68892

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/12/23 11:20	12/12/23 13:31	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/12/23 11:20	12/12/23 13:31	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/12/23 11:20	12/12/23 13:31	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/12/23 11:20	12/12/23 13:31	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/12/23 11:20	12/12/23 13:31	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/12/23 11:20	12/12/23 13:31	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*12/12/23 11:20*	*12/12/23 13:31*	*1*
1,4-Difluorobenzene (Surr)	*129*		*70 - 130*	*12/12/23 11:20*	*12/12/23 13:31*	*1*

Lab Sample ID: LCS 880-68892/1-A
Matrix: Solid
Analysis Batch: 68889

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 68892

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1038		mg/Kg		104	70 - 130
Toluene	0.100	0.09472		mg/Kg		95	70 - 130
Ethylbenzene	0.100	0.09784		mg/Kg		98	70 - 130
m-Xylene & p-Xylene	0.200	0.1832		mg/Kg		92	70 - 130
o-Xylene	0.100	0.07947		mg/Kg		79	70 - 130

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

Lab Sample ID: LCSD 880-68892/2-A
Matrix: Solid
Analysis Batch: 68889

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 68892

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1124		mg/Kg		112	70 - 130	8	35
Toluene	0.100	0.09172		mg/Kg		92	70 - 130	3	35
Ethylbenzene	0.100	0.09574		mg/Kg		96	70 - 130	2	35
m-Xylene & p-Xylene	0.200	0.1894		mg/Kg		95	70 - 130	3	35
o-Xylene	0.100	0.08386		mg/Kg		84	70 - 130	5	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*

Lab Sample ID: 880-36795-A-1-D MS
Matrix: Solid
Analysis Batch: 68889

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 68892

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U	0.0996	0.1212		mg/Kg		122	70 - 130
Toluene	<0.00199	U	0.0996	0.07893		mg/Kg		79	70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: NDB Landfill CTP

Job ID: 880-36715-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-36795-A-1-D MS
Matrix: Solid
Analysis Batch: 68889

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 68892

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00199	U F1	0.0996	0.06569	F1	mg/Kg		66	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.199	0.1803		mg/Kg		91	70 - 130
o-Xylene	<0.00199	U F1	0.0996	0.08558		mg/Kg		85	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*
1,4-Difluorobenzene (Surr)	*117*		*70 - 130*

Lab Sample ID: 880-36795-A-1-E MSD
Matrix: Solid
Analysis Batch: 68889

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 68892

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.0990	0.1043		mg/Kg		105	70 - 130	15	35
Toluene	<0.00199	U	0.0990	0.07890		mg/Kg		79	70 - 130	0	35
Ethylbenzene	<0.00199	U F1	0.0990	0.07804		mg/Kg		79	70 - 130	17	35
m-Xylene & p-Xylene	<0.00398	U	0.198	0.1548		mg/Kg		78	70 - 130	15	35
o-Xylene	<0.00199	U F1	0.0990	0.06287	F1	mg/Kg		63	70 - 130	31	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*

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

Lab Sample ID: MB 880-68712/1-A
Matrix: Solid
Analysis Batch: 68739

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 68712

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/08/23 16:41	12/09/23 08:09	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/08/23 16:41	12/09/23 08:09	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/08/23 16:41	12/09/23 08:09	1
Total TPH	<50.0	U	50.0		mg/Kg		12/08/23 16:41	12/09/23 08:09	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*153*	*S1+*	*70 - 130*	*12/08/23 16:41*	*12/09/23 08:09*	*1*
o-Terphenyl	*185*	*S1+*	*70 - 130*	*12/08/23 16:41*	*12/09/23 08:09*	*1*

Lab Sample ID: LCS 880-68712/2-A
Matrix: Solid
Analysis Batch: 68739

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 68712

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	863.1		mg/Kg		86	70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: NDB Landfill CTP

Job ID: 880-36715-1
SDG: Lea County, New Mexico

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

Lab Sample ID: LCS 880-68712/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 68739 — **Prep Batch: 68712**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Diesel Range Organics (Over C10-C28)			1000	825.2		mg/Kg		83	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*90*		*70 - 130*
o-Terphenyl	*106*		*70 - 130*

Lab Sample ID: LCSD 880-68712/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 68739 — **Prep Batch: 68712**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	853.9		mg/Kg		85	70 - 130	1	20
Diesel Range Organics (Over C10-C28)			1000	833.3		mg/Kg		83	70 - 130	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*100*		*70 - 130*
o-Terphenyl	*117*		*70 - 130*

Lab Sample ID: 880-36705-A-8-C MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 68739 — **Prep Batch: 68712**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	1010	895.8		mg/Kg		85	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.3	U	1010	892.2		mg/Kg		84	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*102*		*70 - 130*
o-Terphenyl	*100*		*70 - 130*

Lab Sample ID: 880-36705-A-8-D MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 68739 — **Prep Batch: 68712**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	1010	753.5		mg/Kg		71	70 - 130	17	20
Diesel Range Organics (Over C10-C28)	<50.3	U	1010	806.5		mg/Kg		76	70 - 130	10	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*92*		*70 - 130*
o-Terphenyl	*90*		*70 - 130*

QC Sample Results

Client: Carmona Resources
Project/Site: NDB Landfill CTP

Job ID: 880-36715-1
SDG: Lea County, New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-68839/1-A
Matrix: Solid
Analysis Batch: 68920

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			12/13/23 03:04	1

Lab Sample ID: LCS 880-68839/2-A
Matrix: Solid
Analysis Batch: 68920

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	261.1		mg/Kg		104	90 - 110		

Lab Sample ID: LCSD 880-68839/3-A
Matrix: Solid
Analysis Batch: 68920

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	257.0		mg/Kg		103	90 - 110	2	20

Lab Sample ID: 880-36715-4 MS
Matrix: Solid
Analysis Batch: 68920

Client Sample ID: H-4 (0-0.5')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	87.9		249	355.6		mg/Kg		107	90 - 110		

Lab Sample ID: 880-36715-4 MSD
Matrix: Solid
Analysis Batch: 68920

Client Sample ID: H-4 (0-0.5')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	87.9		249	353.6		mg/Kg		107	90 - 110	1	20

QC Association Summary

Client: Carmona Resources
Project/Site: NDB Landfill CTP

Job ID: 880-36715-1
SDG: Lea County, New Mexico

GC VOA

Analysis Batch: 68889

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-36715-1	H-1 (0-0.5')	Total/NA	Solid	8021B	68892
880-36715-2	H-2 (0-0.5')	Total/NA	Solid	8021B	68892
880-36715-3	H-3 (0-0.5')	Total/NA	Solid	8021B	68892
880-36715-4	H-4 (0-0.5')	Total/NA	Solid	8021B	68892
880-36715-5	H-5 (0-0.5')	Total/NA	Solid	8021B	68892
880-36715-6	H-6 (0-0.5')	Total/NA	Solid	8021B	68892
880-36715-7	H-7 (0-0.5')	Total/NA	Solid	8021B	68892
880-36715-8	H-8 (0-0.5')	Total/NA	Solid	8021B	68892
MB 880-68892/5-A	Method Blank	Total/NA	Solid	8021B	68892
LCS 880-68892/1-A	Lab Control Sample	Total/NA	Solid	8021B	68892
LCSD 880-68892/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	68892
880-36795-A-1-D MS	Matrix Spike	Total/NA	Solid	8021B	68892
880-36795-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	68892

Prep Batch: 68892

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-36715-1	H-1 (0-0.5')	Total/NA	Solid	5035	
880-36715-2	H-2 (0-0.5')	Total/NA	Solid	5035	
880-36715-3	H-3 (0-0.5')	Total/NA	Solid	5035	
880-36715-4	H-4 (0-0.5')	Total/NA	Solid	5035	
880-36715-5	H-5 (0-0.5')	Total/NA	Solid	5035	
880-36715-6	H-6 (0-0.5')	Total/NA	Solid	5035	
880-36715-7	H-7 (0-0.5')	Total/NA	Solid	5035	
880-36715-8	H-8 (0-0.5')	Total/NA	Solid	5035	
MB 880-68892/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-68892/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-68892/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-36795-A-1-D MS	Matrix Spike	Total/NA	Solid	5035	
880-36795-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 69009

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-36715-1	H-1 (0-0.5')	Total/NA	Solid	Total BTEX	
880-36715-2	H-2 (0-0.5')	Total/NA	Solid	Total BTEX	
880-36715-3	H-3 (0-0.5')	Total/NA	Solid	Total BTEX	
880-36715-4	H-4 (0-0.5')	Total/NA	Solid	Total BTEX	
880-36715-5	H-5 (0-0.5')	Total/NA	Solid	Total BTEX	
880-36715-6	H-6 (0-0.5')	Total/NA	Solid	Total BTEX	
880-36715-7	H-7 (0-0.5')	Total/NA	Solid	Total BTEX	
880-36715-8	H-8 (0-0.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 68712

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-36715-1	H-1 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-36715-2	H-2 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-36715-3	H-3 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-36715-4	H-4 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-36715-5	H-5 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-36715-6	H-6 (0-0.5')	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Carmona Resources
Project/Site: NDB Landfill CTP

Job ID: 880-36715-1
SDG: Lea County, New Mexico

GC Semi VOA (Continued)

Prep Batch: 68712 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-36715-7	H-7 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-36715-8	H-8 (0-0.5')	Total/NA	Solid	8015NM Prep	
MB 880-68712/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-68712/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-68712/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-36705-A-8-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-36705-A-8-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 68739

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-36715-1	H-1 (0-0.5')	Total/NA	Solid	8015B NM	68712
880-36715-2	H-2 (0-0.5')	Total/NA	Solid	8015B NM	68712
880-36715-3	H-3 (0-0.5')	Total/NA	Solid	8015B NM	68712
880-36715-4	H-4 (0-0.5')	Total/NA	Solid	8015B NM	68712
880-36715-5	H-5 (0-0.5')	Total/NA	Solid	8015B NM	68712
880-36715-6	H-6 (0-0.5')	Total/NA	Solid	8015B NM	68712
880-36715-7	H-7 (0-0.5')	Total/NA	Solid	8015B NM	68712
880-36715-8	H-8 (0-0.5')	Total/NA	Solid	8015B NM	68712
MB 880-68712/1-A	Method Blank	Total/NA	Solid	8015B NM	68712
LCS 880-68712/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	68712
LCSD 880-68712/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	68712
880-36705-A-8-C MS	Matrix Spike	Total/NA	Solid	8015B NM	68712
880-36705-A-8-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	68712

Analysis Batch: 68824

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-36715-1	H-1 (0-0.5')	Total/NA	Solid	8015 NM	
880-36715-2	H-2 (0-0.5')	Total/NA	Solid	8015 NM	
880-36715-3	H-3 (0-0.5')	Total/NA	Solid	8015 NM	
880-36715-4	H-4 (0-0.5')	Total/NA	Solid	8015 NM	
880-36715-5	H-5 (0-0.5')	Total/NA	Solid	8015 NM	
880-36715-6	H-6 (0-0.5')	Total/NA	Solid	8015 NM	
880-36715-7	H-7 (0-0.5')	Total/NA	Solid	8015 NM	
880-36715-8	H-8 (0-0.5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 68839

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-36715-1	H-1 (0-0.5')	Soluble	Solid	DI Leach	
880-36715-2	H-2 (0-0.5')	Soluble	Solid	DI Leach	
880-36715-3	H-3 (0-0.5')	Soluble	Solid	DI Leach	
880-36715-4	H-4 (0-0.5')	Soluble	Solid	DI Leach	
880-36715-5	H-5 (0-0.5')	Soluble	Solid	DI Leach	
880-36715-6	H-6 (0-0.5')	Soluble	Solid	DI Leach	
880-36715-7	H-7 (0-0.5')	Soluble	Solid	DI Leach	
880-36715-8	H-8 (0-0.5')	Soluble	Solid	DI Leach	
MB 880-68839/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-68839/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-68839/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-36715-4 MS	H-4 (0-0.5')	Soluble	Solid	DI Leach	

QC Association Summary

Client: Carmona Resources
Project/Site: NDB Landfill CTP

Job ID: 880-36715-1
SDG: Lea County, New Mexico

HPLC/IC (Continued)

Leach Batch: 68839 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-36715-4 MSD	H-4 (0-0.5')	Soluble	Solid	DI Leach	

Analysis Batch: 68920

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-36715-1	H-1 (0-0.5')	Soluble	Solid	300.0	68839
880-36715-2	H-2 (0-0.5')	Soluble	Solid	300.0	68839
880-36715-3	H-3 (0-0.5')	Soluble	Solid	300.0	68839
880-36715-4	H-4 (0-0.5')	Soluble	Solid	300.0	68839
880-36715-5	H-5 (0-0.5')	Soluble	Solid	300.0	68839
880-36715-6	H-6 (0-0.5')	Soluble	Solid	300.0	68839
880-36715-7	H-7 (0-0.5')	Soluble	Solid	300.0	68839
880-36715-8	H-8 (0-0.5')	Soluble	Solid	300.0	68839
MB 880-68839/1-A	Method Blank	Soluble	Solid	300.0	68839
LCS 880-68839/2-A	Lab Control Sample	Soluble	Solid	300.0	68839
LCSD 880-68839/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	68839
880-36715-4 MS	H-4 (0-0.5')	Soluble	Solid	300.0	68839
880-36715-4 MSD	H-4 (0-0.5')	Soluble	Solid	300.0	68839

Lab Chronicle

Client: Carmona Resources
Project/Site: NDB Landfill CTP

Job ID: 880-36715-1
SDG: Lea County, New Mexico

Client Sample ID: H-1 (0-0.5')
Date Collected: 12/07/23 00:00
Date Received: 12/08/23 14:36

Lab Sample ID: 880-36715-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	68892	12/12/23 11:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	68889	12/12/23 19:15	SM	EET MID
Total/NA	Analysis	Total BTEX		1			69009	12/12/23 19:15	SM	EET MID
Total/NA	Analysis	8015 NM		1			68824	12/09/23 15:25	SM	EET MID
Total/NA	Prep	8015NM Prep			9.93 g	10 mL	68712	12/08/23 16:41	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	68739	12/09/23 15:25	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	68839	12/11/23 13:33	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	68920	12/13/23 04:35	CH	EET MID

Client Sample ID: H-2 (0-0.5')
Date Collected: 12/07/23 00:00
Date Received: 12/08/23 14:36

Lab Sample ID: 880-36715-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	68892	12/12/23 11:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	68889	12/12/23 19:35	SM	EET MID
Total/NA	Analysis	Total BTEX		1			69009	12/12/23 19:35	SM	EET MID
Total/NA	Analysis	8015 NM		1			68824	12/09/23 15:47	SM	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	68712	12/08/23 16:41	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	68739	12/09/23 15:47	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	68839	12/11/23 13:33	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	68920	12/13/23 04:42	CH	EET MID

Client Sample ID: H-3 (0-0.5')
Date Collected: 12/07/23 00:00
Date Received: 12/08/23 14:36

Lab Sample ID: 880-36715-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	68892	12/12/23 11:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	68889	12/12/23 19:56	SM	EET MID
Total/NA	Analysis	Total BTEX		1			69009	12/12/23 19:56	SM	EET MID
Total/NA	Analysis	8015 NM		1			68824	12/09/23 16:09	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	68712	12/08/23 16:41	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	68739	12/09/23 16:09	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	68839	12/11/23 13:33	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	68920	12/13/23 04:48	CH	EET MID

Client Sample ID: H-4 (0-0.5')
Date Collected: 12/07/23 00:00
Date Received: 12/08/23 14:36

Lab Sample ID: 880-36715-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	68892	12/12/23 11:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	68889	12/12/23 20:16	SM	EET MID
Total/NA	Analysis	Total BTEX		1			69009	12/12/23 20:16	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: NDB Landfill CTP

Job ID: 880-36715-1
SDG: Lea County, New Mexico

Client Sample ID: H-4 (0-0.5')
Lab Sample ID: 880-36715-4
Date Collected: 12/07/23 00:00
Matrix: Solid
Date Received: 12/08/23 14:36

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			68824	12/09/23 16:31	SM	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	68712	12/08/23 16:41	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	68739	12/09/23 16:31	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	68839	12/11/23 13:33	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	68920	12/13/23 04:55	CH	EET MID

Client Sample ID: H-5 (0-0.5')
Lab Sample ID: 880-36715-5
Date Collected: 12/07/23 00:00
Matrix: Solid
Date Received: 12/08/23 14:36

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	68892	12/12/23 11:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	68889	12/12/23 20:37	SM	EET MID
Total/NA	Analysis	Total BTEX		1			69009	12/12/23 20:37	SM	EET MID
Total/NA	Analysis	8015 NM		1			68824	12/09/23 16:53	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	68712	12/08/23 16:41	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	68739	12/09/23 16:53	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	68839	12/11/23 13:33	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	68920	12/13/23 05:14	CH	EET MID

Client Sample ID: H-6 (0-0.5')
Lab Sample ID: 880-36715-6
Date Collected: 12/07/23 00:00
Matrix: Solid
Date Received: 12/08/23 14:36

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	68892	12/12/23 11:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	68889	12/12/23 20:57	SM	EET MID
Total/NA	Analysis	Total BTEX		1			69009	12/12/23 20:57	SM	EET MID
Total/NA	Analysis	8015 NM		1			68824	12/09/23 17:15	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	68712	12/08/23 16:41	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	68739	12/09/23 17:15	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	68839	12/11/23 13:33	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	68920	12/13/23 05:21	CH	EET MID

Client Sample ID: H-7 (0-0.5')
Lab Sample ID: 880-36715-7
Date Collected: 12/07/23 00:00
Matrix: Solid
Date Received: 12/08/23 14:36

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	68892	12/12/23 11:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	68889	12/12/23 21:18	SM	EET MID
Total/NA	Analysis	Total BTEX		1			69009	12/12/23 21:18	SM	EET MID
Total/NA	Analysis	8015 NM		1			68824	12/09/23 17:36	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	68712	12/08/23 16:41	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	68739	12/09/23 17:36	SM	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: NDB Landfill CTP

Job ID: 880-36715-1
SDG: Lea County, New Mexico

Client Sample ID: H-7 (0-0.5')

Lab Sample ID: 880-36715-7
Matrix: Solid
Date Collected: 12/07/23 00:00
Date Received: 12/08/23 14:36

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	68839	12/11/23 13:33	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	68920	12/13/23 05:41	CH	EET MID

Client Sample ID: H-8 (0-0.5')

Lab Sample ID: 880-36715-8
Matrix: Solid
Date Collected: 12/07/23 00:00
Date Received: 12/08/23 14:36

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	68892	12/12/23 11:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	68889	12/12/23 21:38	SM	EET MID
Total/NA	Analysis	Total BTEX		1			69009	12/12/23 21:38	SM	EET MID
Total/NA	Analysis	8015 NM		1			68824	12/09/23 17:58	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	68712	12/08/23 16:41	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	68739	12/09/23 17:58	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	68839	12/11/23 13:33	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	68920	12/13/23 05:47	CH	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: NDB Landfill CTP

Job ID: 880-36715-1
SDG: Lea County, New Mexico

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-23-26	06-30-24

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
300.0		Solid	Chloride
8015 NM		Solid	Total TPH
8015B NM	8015NM Prep	Solid	Diesel Range Organics (Over C10-C28)
8015B NM	8015NM Prep	Solid	Gasoline Range Organics (GRO)-C6-C10
8015B NM	8015NM Prep	Solid	Oil Range Organics (Over C28-C36)
8015B NM	8015NM Prep	Solid	Total TPH
8021B	5035	Solid	Benzene
8021B	5035	Solid	Ethylbenzene
8021B	5035	Solid	m-Xylene & p-Xylene
8021B	5035	Solid	o-Xylene
8021B	5035	Solid	Toluene
8021B	5035	Solid	Xylenes, Total
Total BTEX		Solid	Total BTEX

Method Summary

Client: Carmona Resources
Project/Site: NDB Landfill CTP

Job ID: 880-36715-1
SDG: Lea County, New Mexico

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: NDB Landfill CTP

Job ID: 880-36715-1
SDG: Lea County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-36715-1	H-1 (0-0.5')	Solid	12/07/23 00:00	12/08/23 14:36
880-36715-2	H-2 (0-0.5')	Solid	12/07/23 00:00	12/08/23 14:36
880-36715-3	H-3 (0-0.5')	Solid	12/07/23 00:00	12/08/23 14:36
880-36715-4	H-4 (0-0.5')	Solid	12/07/23 00:00	12/08/23 14:36
880-36715-5	H-5 (0-0.5')	Solid	12/07/23 00:00	12/08/23 14:36
880-36715-6	H-6 (0-0.5')	Solid	12/07/23 00:00	12/08/23 14:36
880-36715-7	H-7 (0-0.5')	Solid	12/07/23 00:00	12/08/23 14:36
880-36715-8	H-8 (0-0.5')	Solid	12/07/23 00:00	12/08/23 14:36

880-36715 Chain of Custody

Project Manager	Connor Moehring	Bill to (if different)	Joseph Vargo
Company Name	Carmona Resources	Company Name	NGL Water Solutions Permian
Address	310 W Wall St Ste 500	Address	865 N Albino Street, Suite 400
City, State ZIP	Midland, TX 79701	City, State ZIP	Denver, CO 80220
Phone	(432) 813-6823	Email	Joseph Vargo@nglep com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

Reporting Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐

Deliverables EDD ☐ ADaPT ☐ Other:

Project Name	NDB Landfill CTP	Turn Around	☑ Routine ☐ Rush
Project Number	2207	Due Date	
Project Location	Lea County, New Mexico		
Sampler's Name	GPJ		
PO #			

SAMPLE RECEIPT			
Temp Blank.	Yes (No)	Wet Ice	(Yes) No
Received Intact:	(Yes) No	Thermometer ID	IR8
Cooler Custody Seals	Yes No (N/A)	Correction Factor	+.2°
Sample Custody Seals.	Yes No (N/A)	Temperature Reading	-0.5
Total Containers		Corrected Temperature	-0.7

Preservative Codes

None NO; DI Water H_2O; Cool Cool; MeOH Me; HCL HC; HNO_3 HN; H_2SO_4 H_2; NaOH Na; H_3PO_4 HP; $NaHSO_4$ NABIS; $Na_2S_2O_3$ $NaSO_3$; Zn Acetate+NaOH Zn; NaOH+Ascorbic Acid SAPC

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	Parameters: BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	Sample Comments
H-1 (0-0 5')	12/7/2023		X		G	1		x	x	x	
H-2 (0-0 5')	12/7/2023		X		G	1		x	x	x	
H-3 (0-0 5')	12/7/2023		X		G	1		x	x	x	
H-4 (0-0 5')	12/7/2023		X		G	1		x	x	x	
H-5 (0-0 5')	12/7/2023		X		G	1		x	x	x	
H-6 (0-0 5')	12/7/2023		X		G	1		x	x	x	
H-7 (0-0 5')	12/7/2023		X		G	1		x	x	x	
H-8 (0-0 5')	12/7/2023		X		G	1		x	x	x	

Comments Email to Mike Carmona / Mcarmona@carmonaresources com and Conner Moehring / Cmoehring@carmonaresources com

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	12/8/23 1436		

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-36715-1
SDG Number: Lea County, New Mexico

Login Number: 36715
List Number: 1
Creator: Rodriguez, Leticia

List Source: Eurofins Midland

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

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Conner Moehring
Carmona Resources
310 W Wall St
Ste 500
Midland, Texas 79701

Generated 12/15/2023 2:49:39 PM

JOB DESCRIPTION

NDB Landfill CTP
Lea County, New Mexico

JOB NUMBER

880-36748-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

Eurofins Midland

Job Notes

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

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

Authorization

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12/15/2023 2:49:39 PM

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

Client: Carmona Resources
Project/Site: NDB Landfill CTP

Laboratory Job ID: 880-36748-1
SDG: Lea County, New Mexico

Table of Contents

Definitions/Glossary

Client: Carmona Resources
Project/Site: NDB Landfill CTP

Job ID: 880-36748-1
SDG: Lea County, New Mexico

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
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

Client: Carmona Resources
Project/Site: NDB Landfill CTP

Job ID: 880-36748-1
SDG: Lea County, New Mexico

Job ID: 880-36748-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-36748-1

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

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

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

Receipt
The samples were received on 12/11/2023 10:50 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 -0.5°C

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: T-1 (0-1.0') (880-36748-1), T-1 (1.5') (880-36748-2), T-1 (2.0') (880-36748-3), T-1 (3.0') (880-36748-4), T-2 (0-1.0') (880-36748-5), T-2 (1.5') (880-36748-6), T-2 (2.0') (880-36748-7), T-2 (3.0') (880-36748-8), T-2 (4.0') (880-36748-9), T-3 (0-1.0') (880-36748-10), T-3 (1.5') (880-36748-11), T-3 (2.0') (880-36748-12), T-3 (3.0') (880-36748-13), S-1 (0-1.0') (880-36748-14), S-1 (1.5') (880-36748-15) and S-2 (0-1.0') (880-36748-16).

GC VOA
Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-69031 and analytical batch 880-69086 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.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-69031 and analytical batch 880-69086 was outside the control limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: T-2 (0-1.0') (880-36748-5) and T-2 (2.0') (880-36748-7). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

GC Semi VOA
Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-68852 and analytical batch 880-68750 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (CCV 880-68750/20), (CCV 880-68750/31), (CCV 880-68750/47), (CCV 880-68750/5), (CCV 880-68750/58) and (LCS 880-68852/2-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-68852 and analytical batch 880-68750 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

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

Case Narrative

Client: Carmona Resources
Project/Site: NDB Landfill CTP

Job ID: 880-36748-1
SDG: Lea County, New Mexico

Job ID: 880-36748-1 (Continued)

Laboratory: Eurofins Midland (Continued)

Client Sample Results

Client: Carmona Resources
Project/Site: NDB Landfill CTP

Job ID: 880-36748-1
SDG: Lea County, New Mexico

Client Sample ID: T-1 (0-1.0')

Lab Sample ID: 880-36748-1
Matrix: Solid
Date Collected: 12/07/23 00:00
Date Received: 12/11/23 10:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U F1	0.00199		mg/Kg		12/13/23 15:09	12/14/23 16:40	1
Toluene	<0.00199	U F1	0.00199		mg/Kg		12/13/23 15:09	12/14/23 16:40	1
Ethylbenzene	<0.00199	U F1	0.00199		mg/Kg		12/13/23 15:09	12/14/23 16:40	1
m-Xylene & p-Xylene	<0.00398	U F1	0.00398		mg/Kg		12/13/23 15:09	12/14/23 16:40	1
o-Xylene	<0.00199	U F1	0.00199		mg/Kg		12/13/23 15:09	12/14/23 16:40	1
Xylenes, Total	<0.00398	U F1	0.00398		mg/Kg		12/13/23 15:09	12/14/23 16:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*84*		*70 - 130*	*12/13/23 15:09*	*12/14/23 16:40*	*1*
1,4-Difluorobenzene (Surr)	*76*		*70 - 130*	*12/13/23 15:09*	*12/14/23 16:40*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/14/23 16:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			12/11/23 22:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		12/11/23 14:33	12/11/23 22:07	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		12/11/23 14:33	12/11/23 22:07	1
OII Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		12/11/23 14:33	12/11/23 22:07	1
Total TPH	<49.6	U	49.6		mg/Kg		12/11/23 14:33	12/11/23 22:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*84*		*70 - 130*	*12/11/23 14:33*	*12/11/23 22:07*	*1*
o-Terphenyl	*87*		*70 - 130*	*12/11/23 14:33*	*12/11/23 22:07*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**862**		25.0		mg/Kg			12/12/23 15:42	5

Client Sample ID: T-1 (1.5')

Lab Sample ID: 880-36748-2
Matrix: Solid
Date Collected: 12/07/23 00:00
Date Received: 12/11/23 10:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/13/23 15:09	12/14/23 14:12	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/13/23 15:09	12/14/23 14:12	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/13/23 15:09	12/14/23 14:12	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/13/23 15:09	12/14/23 14:12	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/13/23 15:09	12/14/23 14:12	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/13/23 15:09	12/14/23 14:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*79*		*70 - 130*	*12/13/23 15:09*	*12/14/23 14:12*	*1*
1,4-Difluorobenzene (Surr)	*75*		*70 - 130*	*12/13/23 15:09*	*12/14/23 14:12*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: NDB Landfill CTP

Job ID: 880-36748-1
SDG: Lea County, New Mexico

Client Sample ID: T-1 (1.5')

Lab Sample ID: 880-36748-2
Matrix: Solid
Date Collected: 12/07/23 00:00
Date Received: 12/11/23 10:50

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			12/14/23 14:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			12/11/23 22:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		12/11/23 14:33	12/11/23 22:27	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		12/11/23 14:33	12/11/23 22:27	1
OII Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		12/11/23 14:33	12/11/23 22:27	1
Total TPH	<49.7	U	49.7		mg/Kg		12/11/23 14:33	12/11/23 22:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*86*		*70 - 130*	*12/11/23 14:33*	*12/11/23 22:27*	*1*
o-Terphenyl	*86*		*70 - 130*	*12/11/23 14:33*	*12/11/23 22:27*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**75.7**		4.98		mg/Kg			12/12/23 16:05	1

Client Sample ID: T-1 (2.0')

Lab Sample ID: 880-36748-3
Matrix: Solid
Date Collected: 12/07/23 00:00
Date Received: 12/11/23 10:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/13/23 15:09	12/14/23 14:32	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/13/23 15:09	12/14/23 14:32	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/13/23 15:09	12/14/23 14:32	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/13/23 15:09	12/14/23 14:32	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/13/23 15:09	12/14/23 14:32	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/13/23 15:09	12/14/23 14:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*70 - 130*	*12/13/23 15:09*	*12/14/23 14:32*	*1*
1,4-Difluorobenzene (Surr)	*78*		*70 - 130*	*12/13/23 15:09*	*12/14/23 14:32*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/14/23 14:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			12/11/23 22:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		12/11/23 14:33	12/11/23 22:49	1

Client Sample Results

Client: Carmona Resources
Project/Site: NDB Landfill CTP

Job ID: 880-36748-1
SDG: Lea County, New Mexico

Client Sample ID: T-1 (2.0')

Lab Sample ID: 880-36748-3
Matrix: Solid
Date Collected: 12/07/23 00:00
Date Received: 12/11/23 10:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		12/11/23 14:33	12/11/23 22:49	1
OII Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		12/11/23 14:33	12/11/23 22:49	1
Total TPH	<50.3	U	50.3		mg/Kg		12/11/23 14:33	12/11/23 22:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*82*		*70 - 130*	*12/11/23 14:33*	*12/11/23 22:49*	*1*
o-Terphenyl	*82*		*70 - 130*	*12/11/23 14:33*	*12/11/23 22:49*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**94.9**		4.95		mg/Kg			12/12/23 16:13	1

Client Sample ID: T-1 (3.0')

Lab Sample ID: 880-36748-4
Matrix: Solid
Date Collected: 12/07/23 00:00
Date Received: 12/11/23 10:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		12/13/23 15:09	12/14/23 14:53	1
Toluene	<0.00198	U	0.00198		mg/Kg		12/13/23 15:09	12/14/23 14:53	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		12/13/23 15:09	12/14/23 14:53	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		12/13/23 15:09	12/14/23 14:53	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		12/13/23 15:09	12/14/23 14:53	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		12/13/23 15:09	12/14/23 14:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*83*		*70 - 130*	*12/13/23 15:09*	*12/14/23 14:53*	*1*
1,4-Difluorobenzene (Surr)	*80*		*70 - 130*	*12/13/23 15:09*	*12/14/23 14:53*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			12/14/23 14:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			12/11/23 23:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		12/11/23 14:33	12/11/23 23:11	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		12/11/23 14:33	12/11/23 23:11	1
OII Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		12/11/23 14:33	12/11/23 23:11	1
Total TPH	<50.1	U	50.1		mg/Kg		12/11/23 14:33	12/11/23 23:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*87*		*70 - 130*	*12/11/23 14:33*	*12/11/23 23:11*	*1*
o-Terphenyl	*84*		*70 - 130*	*12/11/23 14:33*	*12/11/23 23:11*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: NDB Landfill CTP

Job ID: 880-36748-1
SDG: Lea County, New Mexico

Client Sample ID: T-1 (3.0')

Lab Sample ID: 880-36748-4
Matrix: Solid
Date Collected: 12/07/23 00:00
Date Received: 12/11/23 10:50

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	103		4.97		mg/Kg			12/12/23 16:21	1

Client Sample ID: T-2 (0-1.0')

Lab Sample ID: 880-36748-5
Matrix: Solid
Date Collected: 12/07/23 00:00
Date Received: 12/11/23 10:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/13/23 15:09	12/14/23 15:13	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/13/23 15:09	12/14/23 15:13	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/13/23 15:09	12/14/23 15:13	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/13/23 15:09	12/14/23 15:13	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/13/23 15:09	12/14/23 15:13	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/13/23 15:09	12/14/23 15:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*82*		*70 - 130*	*12/13/23 15:09*	*12/14/23 15:13*	*1*
1,4-Difluorobenzene (Surr)	*69*	*S1-*	*70 - 130*	*12/13/23 15:09*	*12/14/23 15:13*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			12/14/23 15:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			12/11/23 23:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		12/11/23 14:33	12/11/23 23:32	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		12/11/23 14:33	12/11/23 23:32	1
OII Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		12/11/23 14:33	12/11/23 23:32	1
Total TPH	<50.4	U	50.4		mg/Kg		12/11/23 14:33	12/11/23 23:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*81*		*70 - 130*	*12/11/23 14:33*	*12/11/23 23:32*	*1*
o-Terphenyl	*82*		*70 - 130*	*12/11/23 14:33*	*12/11/23 23:32*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5030		50.0		mg/Kg			12/12/23 16:29	10

Client Sample ID: T-2 (1.5')

Lab Sample ID: 880-36748-6
Matrix: Solid
Date Collected: 12/07/23 00:00
Date Received: 12/11/23 10:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/13/23 15:09	12/14/23 15:33	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/13/23 15:09	12/14/23 15:33	1

Client Sample Results

Client: Carmona Resources
Project/Site: NDB Landfill CTP

Job ID: 880-36748-1
SDG: Lea County, New Mexico

Client Sample ID: T-2 (1.5')

Lab Sample ID: 880-36748-6
Matrix: Solid
Date Collected: 12/07/23 00:00
Date Received: 12/11/23 10:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/13/23 15:09	12/14/23 15:33	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		12/13/23 15:09	12/14/23 15:33	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/13/23 15:09	12/14/23 15:33	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		12/13/23 15:09	12/14/23 15:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*83*		*70 - 130*	*12/13/23 15:09*	*12/14/23 15:33*	*1*
1,4-Difluorobenzene (Surr)	*73*		*70 - 130*	*12/13/23 15:09*	*12/14/23 15:33*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			12/14/23 15:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			12/11/23 23:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		12/11/23 14:33	12/11/23 23:53	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		12/11/23 14:33	12/11/23 23:53	1
OII Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		12/11/23 14:33	12/11/23 23:53	1
Total TPH	<50.5	U	50.5		mg/Kg		12/11/23 14:33	12/11/23 23:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*89*		*70 - 130*	*12/11/23 14:33*	*12/11/23 23:53*	*1*
o-Terphenyl	*91*		*70 - 130*	*12/11/23 14:33*	*12/11/23 23:53*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**203**		4.99		mg/Kg			12/12/23 16:37	1

Client Sample ID: T-2 (2.0')

Lab Sample ID: 880-36748-7
Matrix: Solid
Date Collected: 12/07/23 00:00
Date Received: 12/11/23 10:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/13/23 15:09	12/14/23 15:54	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/13/23 15:09	12/14/23 15:54	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/13/23 15:09	12/14/23 15:54	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/13/23 15:09	12/14/23 15:54	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/13/23 15:09	12/14/23 15:54	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/13/23 15:09	12/14/23 15:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*84*		*70 - 130*	*12/13/23 15:09*	*12/14/23 15:54*	*1*
1,4-Difluorobenzene (Surr)	*68*	*S1-*	*70 - 130*	*12/13/23 15:09*	*12/14/23 15:54*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: NDB Landfill CTP

Job ID: 880-36748-1
SDG: Lea County, New Mexico

Client Sample ID: T-2 (2.0')

Lab Sample ID: 880-36748-7
Matrix: Solid
Date Collected: 12/07/23 00:00
Date Received: 12/11/23 10:50

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/14/23 15:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/12/23 00:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/11/23 14:33	12/12/23 00:13	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/11/23 14:33	12/12/23 00:13	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/11/23 14:33	12/12/23 00:13	1
Total TPH	<50.0	U	50.0		mg/Kg		12/11/23 14:33	12/12/23 00:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*81*		*70 - 130*	*12/11/23 14:33*	*12/12/23 00:13*	*1*
o-Terphenyl	*83*		*70 - 130*	*12/11/23 14:33*	*12/12/23 00:13*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**384**		4.96		mg/Kg			12/12/23 16:45	1

Client Sample ID: T-2 (3.0')

Lab Sample ID: 880-36748-8
Matrix: Solid
Date Collected: 12/07/23 00:00
Date Received: 12/11/23 10:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/13/23 15:09	12/14/23 16:14	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/13/23 15:09	12/14/23 16:14	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/13/23 15:09	12/14/23 16:14	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/13/23 15:09	12/14/23 16:14	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/13/23 15:09	12/14/23 16:14	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/13/23 15:09	12/14/23 16:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*82*		*70 - 130*	*12/13/23 15:09*	*12/14/23 16:14*	*1*
1,4-Difluorobenzene (Surr)	*77*		*70 - 130*	*12/13/23 15:09*	*12/14/23 16:14*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/14/23 16:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			12/12/23 00:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		12/11/23 14:33	12/12/23 00:33	1

Client Sample Results

Client: Carmona Resources
Project/Site: NDB Landfill CTP

Job ID: 880-36748-1
SDG: Lea County, New Mexico

Client Sample ID: T-2 (3.0')

Lab Sample ID: 880-36748-8
Matrix: Solid
Date Collected: 12/07/23 00:00
Date Received: 12/11/23 10:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/11/23 14:33	12/12/23 00:33	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/11/23 14:33	12/12/23 00:33	1
Total TPH	<49.8	U	49.8		mg/Kg		12/11/23 14:33	12/12/23 00:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*83*		*70 - 130*	*12/11/23 14:33*	*12/12/23 00:33*	*1*
o-Terphenyl	*80*		*70 - 130*	*12/11/23 14:33*	*12/12/23 00:33*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**218**		5.00		mg/Kg			12/12/23 17:08	1

Client Sample ID: T-2 (4.0')

Lab Sample ID: 880-36748-9
Matrix: Solid
Date Collected: 12/07/23 00:00
Date Received: 12/11/23 10:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/13/23 15:09	12/14/23 18:24	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/13/23 15:09	12/14/23 18:24	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/13/23 15:09	12/14/23 18:24	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/13/23 15:09	12/14/23 18:24	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/13/23 15:09	12/14/23 18:24	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/13/23 15:09	12/14/23 18:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*70 - 130*	*12/13/23 15:09*	*12/14/23 18:24*	*1*
1,4-Difluorobenzene (Surr)	*75*		*70 - 130*	*12/13/23 15:09*	*12/14/23 18:24*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			12/14/23 18:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			12/12/23 01:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		12/11/23 14:33	12/12/23 01:15	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		12/11/23 14:33	12/12/23 01:15	1
OII Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		12/11/23 14:33	12/12/23 01:15	1
Total TPH	<49.6	U	49.6		mg/Kg		12/11/23 14:33	12/12/23 01:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*83*		*70 - 130*	*12/11/23 14:33*	*12/12/23 01:15*	*1*
o-Terphenyl	*85*		*70 - 130*	*12/11/23 14:33*	*12/12/23 01:15*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: NDB Landfill CTP

Job ID: 880-36748-1
SDG: Lea County, New Mexico

Client Sample ID: T-2 (4.0')

Lab Sample ID: 880-36748-9
Matrix: Solid
Date Collected: 12/07/23 00:00
Date Received: 12/11/23 10:50

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	140		4.99		mg/Kg			12/12/23 17:16	1

Client Sample ID: T-3 (0-1.0')

Lab Sample ID: 880-36748-10
Matrix: Solid
Date Collected: 12/07/23 00:00
Date Received: 12/11/23 10:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		12/13/23 15:09	12/14/23 18:44	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/13/23 15:09	12/14/23 18:44	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/13/23 15:09	12/14/23 18:44	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/13/23 15:09	12/14/23 18:44	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/13/23 15:09	12/14/23 18:44	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/13/23 15:09	12/14/23 18:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*70 - 130*	*12/13/23 15:09*	*12/14/23 18:44*	*1*
1,4-Difluorobenzene (Surr)	*73*		*70 - 130*	*12/13/23 15:09*	*12/14/23 18:44*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			12/14/23 18:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/12/23 01:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/11/23 14:33	12/12/23 01:35	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/11/23 14:33	12/12/23 01:35	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/11/23 14:33	12/12/23 01:35	1
Total TPH	<50.0	U	50.0		mg/Kg		12/11/23 14:33	12/12/23 01:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*93*		*70 - 130*	*12/11/23 14:33*	*12/12/23 01:35*	*1*
o-Terphenyl	*92*		*70 - 130*	*12/11/23 14:33*	*12/12/23 01:35*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4310		25.1		mg/Kg			12/12/23 17:39	5

Client Sample ID: T-3 (1.5')

Lab Sample ID: 880-36748-11
Matrix: Solid
Date Collected: 12/07/23 00:00
Date Received: 12/11/23 10:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/13/23 15:09	12/14/23 19:04	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/13/23 15:09	12/14/23 19:04	1

Client Sample Results

Client: Carmona Resources
Project/Site: NDB Landfill CTP

Job ID: 880-36748-1
SDG: Lea County, New Mexico

Client Sample ID: T-3 (1.5')

Lab Sample ID: 880-36748-11
Matrix: Solid
Date Collected: 12/07/23 00:00
Date Received: 12/11/23 10:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/13/23 15:09	12/14/23 19:04	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/13/23 15:09	12/14/23 19:04	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/13/23 15:09	12/14/23 19:04	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/13/23 15:09	12/14/23 19:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*70 - 130*	*12/13/23 15:09*	*12/14/23 19:04*	*1*
1,4-Difluorobenzene (Surr)	*76*		*70 - 130*	*12/13/23 15:09*	*12/14/23 19:04*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/14/23 19:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			12/12/23 01:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		12/11/23 14:33	12/12/23 01:56	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		12/11/23 14:33	12/12/23 01:56	1
OII Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		12/11/23 14:33	12/12/23 01:56	1
Total TPH	<50.3	U	50.3		mg/Kg		12/11/23 14:33	12/12/23 01:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*88*		*70 - 130*	*12/11/23 14:33*	*12/12/23 01:56*	*1*
o-Terphenyl	*93*		*70 - 130*	*12/11/23 14:33*	*12/12/23 01:56*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.98	U	4.98		mg/Kg			12/12/23 17:47	1

Client Sample ID: T-3 (2.0')

Lab Sample ID: 880-36748-12
Matrix: Solid
Date Collected: 12/07/23 00:00
Date Received: 12/11/23 10:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		12/13/23 15:09	12/14/23 19:25	1
Toluene	<0.00198	U	0.00198		mg/Kg		12/13/23 15:09	12/14/23 19:25	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		12/13/23 15:09	12/14/23 19:25	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		12/13/23 15:09	12/14/23 19:25	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		12/13/23 15:09	12/14/23 19:25	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		12/13/23 15:09	12/14/23 19:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*76*		*70 - 130*	*12/13/23 15:09*	*12/14/23 19:25*	*1*
1,4-Difluorobenzene (Surr)	*82*		*70 - 130*	*12/13/23 15:09*	*12/14/23 19:25*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: NDB Landfill CTP

Job ID: 880-36748-1
SDG: Lea County, New Mexico

Client Sample ID: T-3 (2.0')

Date Collected: 12/07/23 00:00
Date Received: 12/11/23 10:50

Lab Sample ID: 880-36748-12
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			12/14/23 19:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			12/12/23 02:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2		mg/Kg		12/11/23 14:33	12/12/23 02:17	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		12/11/23 14:33	12/12/23 02:17	1
OII Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		12/11/23 14:33	12/12/23 02:17	1
Total TPH	<50.2	U	50.2		mg/Kg		12/11/23 14:33	12/12/23 02:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*88*		*70 - 130*	*12/11/23 14:33*	*12/12/23 02:17*	*1*
o-Terphenyl	*87*		*70 - 130*	*12/11/23 14:33*	*12/12/23 02:17*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**14.8**		4.95		mg/Kg			12/12/23 17:55	1

Client Sample ID: T-3 (3.0')

Date Collected: 12/07/23 00:00
Date Received: 12/11/23 10:50

Lab Sample ID: 880-36748-13
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/13/23 15:09	12/14/23 19:46	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/13/23 15:09	12/14/23 19:46	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/13/23 15:09	12/14/23 19:46	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/13/23 15:09	12/14/23 19:46	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/13/23 15:09	12/14/23 19:46	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/13/23 15:09	12/14/23 19:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*86*		*70 - 130*	*12/13/23 15:09*	*12/14/23 19:46*	*1*
1,4-Difluorobenzene (Surr)	*74*		*70 - 130*	*12/13/23 15:09*	*12/14/23 19:46*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			12/14/23 19:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			12/12/23 02:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		12/11/23 14:33	12/12/23 02:38	1

Client Sample Results

Client: Carmona Resources
Project/Site: NDB Landfill CTP

Job ID: 880-36748-1
SDG: Lea County, New Mexico

Client Sample ID: T-3 (3.0')

Date Collected: 12/07/23 00:00
Date Received: 12/11/23 10:50

Lab Sample ID: 880-36748-13
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		12/11/23 14:33	12/12/23 02:38	1
OII Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		12/11/23 14:33	12/12/23 02:38	1
Total TPH	<50.4	U	50.4		mg/Kg		12/11/23 14:33	12/12/23 02:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*84*		*70 - 130*	*12/11/23 14:33*	*12/12/23 02:38*	*1*
o-Terphenyl	*82*		*70 - 130*	*12/11/23 14:33*	*12/12/23 02:38*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**17.3**		5.04		mg/Kg			12/12/23 18:03	1

Client Sample ID: S-1 (0-1.0')

Date Collected: 12/07/23 00:00
Date Received: 12/11/23 10:50

Lab Sample ID: 880-36748-14
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/13/23 15:09	12/14/23 20:06	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/13/23 15:09	12/14/23 20:06	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/13/23 15:09	12/14/23 20:06	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		12/13/23 15:09	12/14/23 20:06	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/13/23 15:09	12/14/23 20:06	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		12/13/23 15:09	12/14/23 20:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*86*		*70 - 130*	*12/13/23 15:09*	*12/14/23 20:06*	*1*
1,4-Difluorobenzene (Surr)	*76*		*70 - 130*	*12/13/23 15:09*	*12/14/23 20:06*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			12/14/23 20:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			12/12/23 02:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		12/11/23 14:33	12/12/23 02:58	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		12/11/23 14:33	12/12/23 02:58	1
OII Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		12/11/23 14:33	12/12/23 02:58	1
Total TPH	<50.5	U	50.5		mg/Kg		12/11/23 14:33	12/12/23 02:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*87*		*70 - 130*	*12/11/23 14:33*	*12/12/23 02:58*	*1*
o-Terphenyl	*93*		*70 - 130*	*12/11/23 14:33*	*12/12/23 02:58*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: NDB Landfill CTP

Job ID: 880-36748-1
SDG: Lea County, New Mexico

Client Sample ID: S-1 (0-1.0')

Lab Sample ID: 880-36748-14
Matrix: Solid
Date Collected: 12/07/23 00:00
Date Received: 12/11/23 10:50

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2650		24.9		mg/Kg			12/12/23 18:11	5

Client Sample ID: S-1 (1.5')

Lab Sample ID: 880-36748-15
Matrix: Solid
Date Collected: 12/07/23 00:00
Date Received: 12/11/23 10:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/13/23 15:09	12/14/23 20:27	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/13/23 15:09	12/14/23 20:27	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/13/23 15:09	12/14/23 20:27	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/13/23 15:09	12/14/23 20:27	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/13/23 15:09	12/14/23 20:27	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/13/23 15:09	12/14/23 20:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*	*12/13/23 15:09*	*12/14/23 20:27*	*1*
1,4-Difluorobenzene (Surr)	*74*		*70 - 130*	*12/13/23 15:09*	*12/14/23 20:27*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/14/23 20:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			12/12/23 03:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		12/11/23 14:33	12/12/23 03:18	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		12/11/23 14:33	12/12/23 03:18	1
OII Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		12/11/23 14:33	12/12/23 03:18	1
Total TPH	<49.7	U	49.7		mg/Kg		12/11/23 14:33	12/12/23 03:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*87*		*70 - 130*	*12/11/23 14:33*	*12/12/23 03:18*	*1*
o-Terphenyl	*88*		*70 - 130*	*12/11/23 14:33*	*12/12/23 03:18*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1120		4.95		mg/Kg			12/12/23 18:19	1

Client Sample ID: S-2 (0-1.0')

Lab Sample ID: 880-36748-16
Matrix: Solid
Date Collected: 12/07/23 00:00
Date Received: 12/11/23 10:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/13/23 15:09	12/14/23 20:47	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/13/23 15:09	12/14/23 20:47	1

Client Sample Results

Client: Carmona Resources
Project/Site: NDB Landfill CTP

Job ID: 880-36748-1
SDG: Lea County, New Mexico

Client Sample ID: S-2 (0-1.0')
Date Collected: 12/07/23 00:00
Date Received: 12/11/23 10:50

Lab Sample ID: 880-36748-16
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/13/23 15:09	12/14/23 20:47	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/13/23 15:09	12/14/23 20:47	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/13/23 15:09	12/14/23 20:47	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/13/23 15:09	12/14/23 20:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*75*		*70 - 130*	*12/13/23 15:09*	*12/14/23 20:47*	*1*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*	*12/13/23 15:09*	*12/14/23 20:47*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			12/14/23 20:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/12/23 03:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/11/23 14:33	12/12/23 03:39	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/11/23 14:33	12/12/23 03:39	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/11/23 14:33	12/12/23 03:39	1
Total TPH	<49.9	U	49.9		mg/Kg		12/11/23 14:33	12/12/23 03:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*86*		*70 - 130*	*12/11/23 14:33*	*12/12/23 03:39*	*1*
o-Terphenyl	*84*		*70 - 130*	*12/11/23 14:33*	*12/12/23 03:39*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1630**		25.0		mg/Kg			12/12/23 18:27	5

Surrogate Summary

Client: Carmona Resources
Project/Site: NDB Landfill CTP

Job ID: 880-36748-1
SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-36748-1	T-1 (0-1.0')	84	76
880-36748-1 MS	T-1 (0-1.0')	101	97
880-36748-1 MSD	T-1 (0-1.0')	104	91
880-36748-2	T-1 (1.5')	79	75
880-36748-3	T-1 (2.0')	85	78
880-36748-4	T-1 (3.0')	83	80
880-36748-5	T-2 (0-1.0')	82	69 S1-
880-36748-6	T-2 (1.5')	83	73
880-36748-7	T-2 (2.0')	84	68 S1-
880-36748-8	T-2 (3.0')	82	77
880-36748-9	T-2 (4.0')	87	75
880-36748-10	T-3 (0-1.0')	89	73
880-36748-11	T-3 (1.5')	88	76
880-36748-12	T-3 (2.0')	76	82
880-36748-13	T-3 (3.0')	86	74
880-36748-14	S-1 (0-1.0')	86	76
880-36748-15	S-1 (1.5')	91	74
880-36748-16	S-2 (0-1.0')	75	88
LCS 880-69031/1-A	Lab Control Sample	94	103
LCSD 880-69031/2-A	Lab Control Sample Dup	102	106
MB 880-69031/5-A	Method Blank	68 S1-	90

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-36743-A-7-B MS	Matrix Spike	93	90
880-36743-A-7-C MSD	Matrix Spike Duplicate	95	85
880-36748-1	T-1 (0-1.0')	84	87
880-36748-2	T-1 (1.5')	86	86
880-36748-3	T-1 (2.0')	82	82
880-36748-4	T-1 (3.0')	87	84
880-36748-5	T-2 (0-1.0')	81	82
880-36748-6	T-2 (1.5')	89	91
880-36748-7	T-2 (2.0')	81	83
880-36748-8	T-2 (3.0')	83	80
880-36748-9	T-2 (4.0')	83	85
880-36748-10	T-3 (0-1.0')	93	92
880-36748-11	T-3 (1.5')	88	93
880-36748-12	T-3 (2.0')	88	87
880-36748-13	T-3 (3.0')	84	82
880-36748-14	S-1 (0-1.0')	87	93
880-36748-15	S-1 (1.5')	87	88
880-36748-16	S-2 (0-1.0')	86	84

Surrogate Summary

Client: Carmona Resources
Job ID: 880-36748-1
Project/Site: NDB Landfill CTP
SDG: Lea County, New Mexico

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)									
		1CO1	OTPH1								
Lab Sample ID	Client Sample ID	(70-130)	(70-130)								
LCS 880-68852/2-A	Lab Control Sample	130	148 S1+								
LCSD 880-68852/3-A	Lab Control Sample Dup	102	117								
MB 880-68852/1-A	Method Blank	124	134 S1+								

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Carmona Resources
Project/Site: NDB Landfill CTP

Job ID: 880-36748-1
SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-69031/5-A
Matrix: Solid
Analysis Batch: 69086

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 69031

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/13/23 15:09	12/14/23 13:30	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/13/23 15:09	12/14/23 13:30	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/13/23 15:09	12/14/23 13:30	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/13/23 15:09	12/14/23 13:30	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/13/23 15:09	12/14/23 13:30	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/13/23 15:09	12/14/23 13:30	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*68*	*S1-*	*70 - 130*	*12/13/23 15:09*	*12/14/23 13:30*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*12/13/23 15:09*	*12/14/23 13:30*	*1*

Lab Sample ID: LCS 880-69031/1-A
Matrix: Solid
Analysis Batch: 69086

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 69031

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.07852		mg/Kg		79	70 - 130		
Toluene			0.100	0.07646		mg/Kg		76	70 - 130		
Ethylbenzene			0.100	0.08128		mg/Kg		81	70 - 130		
m-Xylene & p-Xylene			0.200	0.1648		mg/Kg		82	70 - 130		
o-Xylene			0.100	0.08146		mg/Kg		81	70 - 130		

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

Lab Sample ID: LCSD 880-69031/2-A
Matrix: Solid
Analysis Batch: 69086

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 69031

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.08649		mg/Kg		86	70 - 130	10	35
Toluene			0.100	0.08137		mg/Kg		81	70 - 130	6	35
Ethylbenzene			0.100	0.09103		mg/Kg		91	70 - 130	11	35
m-Xylene & p-Xylene			0.200	0.1833		mg/Kg		92	70 - 130	11	35
o-Xylene			0.100	0.08927		mg/Kg		89	70 - 130	9	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*

Lab Sample ID: 880-36748-1 MS
Matrix: Solid
Analysis Batch: 69086

Client Sample ID: T-1 (0-1.0')
Prep Type: Total/NA
Prep Batch: 69031

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	0.0152		0.0996	0.07185	F1	mg/Kg		57	70 - 130		
Toluene	0.105		0.0996	0.07039	F1	mg/Kg		-35	70 - 130		

QC Sample Results

Client: Carmona Resources
Project/Site: NDB Landfill CTP

Job ID: 880-36748-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-36748-1 MS
Matrix: Solid
Analysis Batch: 69086

Client Sample ID: T-1 (0-1.0')
Prep Type: Total/NA
Prep Batch: 69031

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	0.0158		0.0996	0.07375	F1	mg/Kg		58	70 - 130
m-Xylene & p-Xylene	0.0294		0.199	0.1502	F1	mg/Kg		61	70 - 130
o-Xylene	0.0326		0.0996	0.07560	F1	mg/Kg		43	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*

Lab Sample ID: 880-36748-1 MSD
Matrix: Solid
Analysis Batch: 69086

Client Sample ID: T-1 (0-1.0')
Prep Type: Total/NA
Prep Batch: 69031

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U F1	0.0990	0.06749	F1	mg/Kg		68	70 - 130	6	35
Toluene	<0.00199	U F1	0.0990	0.06998		mg/Kg		71	70 - 130	1	35
Ethylbenzene	<0.00199	U F1	0.0990	0.07280		mg/Kg		74	70 - 130	1	35
m-Xylene & p-Xylene	<0.00398	U F1	0.198	0.1488		mg/Kg		75	70 - 130	1	35
o-Xylene	<0.00199	U F1	0.0990	0.07578		mg/Kg		77	70 - 130	0	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*

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

Lab Sample ID: MB 880-68852/1-A
Matrix: Solid
Analysis Batch: 68750

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 68852

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/11/23 14:33	12/11/23 19:35	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/11/23 14:33	12/11/23 19:35	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/11/23 14:33	12/11/23 19:35	1
Total TPH	<50.0	U	50.0		mg/Kg		12/11/23 14:33	12/11/23 19:35	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*124*		*70 - 130*	*12/11/23 14:33*	*12/11/23 19:35*	*1*
o-Terphenyl	*134*	*S1+*	*70 - 130*	*12/11/23 14:33*	*12/11/23 19:35*	*1*

Lab Sample ID: LCS 880-68852/2-A
Matrix: Solid
Analysis Batch: 68750

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 68852

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	813.0		mg/Kg		81	70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: NDB Landfill CTP

Job ID: 880-36748-1
SDG: Lea County, New Mexico

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

Lab Sample ID: LCS 880-68852/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 68750 — **Prep Batch: 68852**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Diesel Range Organics (Over C10-C28)			1000	781.5		mg/Kg		78	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*130*		*70 - 130*
o-Terphenyl	*148*	*S1+*	*70 - 130*

Lab Sample ID: LCSD 880-68852/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 68750 — **Prep Batch: 68852**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	877.4		mg/Kg		88	70 - 130	8	20
Diesel Range Organics (Over C10-C28)			1000	910.4		mg/Kg		91	70 - 130	15	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*102*		*70 - 130*
o-Terphenyl	*117*		*70 - 130*

Lab Sample ID: 880-36743-A-7-B MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 68750 — **Prep Batch: 68852**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<50.4	U F1	1000	701.6	F1	mg/Kg		68	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.4	U F1	1000	722.3	F1	mg/Kg		68	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*93*		*70 - 130*
o-Terphenyl	*90*		*70 - 130*

Lab Sample ID: 880-36743-A-7-C MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 68750 — **Prep Batch: 68852**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.4	U F1	1000	727.5		mg/Kg		71	70 - 130	4	20
Diesel Range Organics (Over C10-C28)	<50.4	U F1	1000	708.9	F1	mg/Kg		67	70 - 130	2	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*95*		*70 - 130*
o-Terphenyl	*85*		*70 - 130*

QC Sample Results

Client: Carmona Resources
Project/Site: NDB Landfill CTP

Job ID: 880-36748-1
SDG: Lea County, New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-68838/1-A
Matrix: Solid
Analysis Batch: 68919

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			12/12/23 14:31	1

Lab Sample ID: LCS 880-68838/2-A
Matrix: Solid
Analysis Batch: 68919

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	251.2		mg/Kg		100	90 - 110		

Lab Sample ID: LCSD 880-68838/3-A
Matrix: Solid
Analysis Batch: 68919

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	250.6		mg/Kg		100	90 - 110	0	20

Lab Sample ID: 880-36748-7 MS
Matrix: Solid
Analysis Batch: 68919

Client Sample ID: T-2 (2.0')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	384		248	617.1		mg/Kg		94	90 - 110		

Lab Sample ID: 880-36748-7 MSD
Matrix: Solid
Analysis Batch: 68919

Client Sample ID: T-2 (2.0')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	384		248	627.3		mg/Kg		98	90 - 110	2	20

QC Association Summary

Client: Carmona Resources
Project/Site: NDB Landfill CTP

Job ID: 880-36748-1
SDG: Lea County, New Mexico

GC VOA

Prep Batch: 69031

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-36748-1	T-1 (0-1.0')	Total/NA	Solid	5035	
880-36748-2	T-1 (1.5')	Total/NA	Solid	5035	
880-36748-3	T-1 (2.0')	Total/NA	Solid	5035	
880-36748-4	T-1 (3.0')	Total/NA	Solid	5035	
880-36748-5	T-2 (0-1.0')	Total/NA	Solid	5035	
880-36748-6	T-2 (1.5')	Total/NA	Solid	5035	
880-36748-7	T-2 (2.0')	Total/NA	Solid	5035	
880-36748-8	T-2 (3.0')	Total/NA	Solid	5035	
880-36748-9	T-2 (4.0')	Total/NA	Solid	5035	
880-36748-10	T-3 (0-1.0')	Total/NA	Solid	5035	
880-36748-11	T-3 (1.5')	Total/NA	Solid	5035	
880-36748-12	T-3 (2.0')	Total/NA	Solid	5035	
880-36748-13	T-3 (3.0')	Total/NA	Solid	5035	
880-36748-14	S-1 (0-1.0')	Total/NA	Solid	5035	
880-36748-15	S-1 (1.5')	Total/NA	Solid	5035	
880-36748-16	S-2 (0-1.0')	Total/NA	Solid	5035	
MB 880-69031/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-69031/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-69031/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-36748-1 MS	T-1 (0-1.0')	Total/NA	Solid	5035	
880-36748-1 MSD	T-1 (0-1.0')	Total/NA	Solid	5035	

Analysis Batch: 69086

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-36748-1	T-1 (0-1.0')	Total/NA	Solid	8021B	69031
880-36748-2	T-1 (1.5')	Total/NA	Solid	8021B	69031
880-36748-3	T-1 (2.0')	Total/NA	Solid	8021B	69031
880-36748-4	T-1 (3.0')	Total/NA	Solid	8021B	69031
880-36748-5	T-2 (0-1.0')	Total/NA	Solid	8021B	69031
880-36748-6	T-2 (1.5')	Total/NA	Solid	8021B	69031
880-36748-7	T-2 (2.0')	Total/NA	Solid	8021B	69031
880-36748-8	T-2 (3.0')	Total/NA	Solid	8021B	69031
880-36748-9	T-2 (4.0')	Total/NA	Solid	8021B	69031
880-36748-10	T-3 (0-1.0')	Total/NA	Solid	8021B	69031
880-36748-11	T-3 (1.5')	Total/NA	Solid	8021B	69031
880-36748-12	T-3 (2.0')	Total/NA	Solid	8021B	69031
880-36748-13	T-3 (3.0')	Total/NA	Solid	8021B	69031
880-36748-14	S-1 (0-1.0')	Total/NA	Solid	8021B	69031
880-36748-15	S-1 (1.5')	Total/NA	Solid	8021B	69031
880-36748-16	S-2 (0-1.0')	Total/NA	Solid	8021B	69031
MB 880-69031/5-A	Method Blank	Total/NA	Solid	8021B	69031
LCS 880-69031/1-A	Lab Control Sample	Total/NA	Solid	8021B	69031
LCSD 880-69031/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	69031
880-36748-1 MS	T-1 (0-1.0')	Total/NA	Solid	8021B	69031
880-36748-1 MSD	T-1 (0-1.0')	Total/NA	Solid	8021B	69031

Analysis Batch: 69231

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-36748-1	T-1 (0-1.0')	Total/NA	Solid	Total BTEX	
880-36748-2	T-1 (1.5')	Total/NA	Solid	Total BTEX	
880-36748-3	T-1 (2.0')	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: Carmona Resources
Project/Site: NDB Landfill CTP

Job ID: 880-36748-1
SDG: Lea County, New Mexico

GC VOA (Continued)

Analysis Batch: 69231 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-36748-4	T-1 (3.0')	Total/NA	Solid	Total BTEX	
880-36748-5	T-2 (0-1.0')	Total/NA	Solid	Total BTEX	
880-36748-6	T-2 (1.5')	Total/NA	Solid	Total BTEX	
880-36748-7	T-2 (2.0')	Total/NA	Solid	Total BTEX	
880-36748-8	T-2 (3.0')	Total/NA	Solid	Total BTEX	
880-36748-9	T-2 (4.0')	Total/NA	Solid	Total BTEX	
880-36748-10	T-3 (0-1.0')	Total/NA	Solid	Total BTEX	
880-36748-11	T-3 (1.5')	Total/NA	Solid	Total BTEX	
880-36748-12	T-3 (2.0')	Total/NA	Solid	Total BTEX	
880-36748-13	T-3 (3.0')	Total/NA	Solid	Total BTEX	
880-36748-14	S-1 (0-1.0')	Total/NA	Solid	Total BTEX	
880-36748-15	S-1 (1.5')	Total/NA	Solid	Total BTEX	
880-36748-16	S-2 (0-1.0')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 68750

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-36748-1	T-1 (0-1.0')	Total/NA	Solid	8015B NM	68852
880-36748-2	T-1 (1.5')	Total/NA	Solid	8015B NM	68852
880-36748-3	T-1 (2.0')	Total/NA	Solid	8015B NM	68852
880-36748-4	T-1 (3.0')	Total/NA	Solid	8015B NM	68852
880-36748-5	T-2 (0-1.0')	Total/NA	Solid	8015B NM	68852
880-36748-6	T-2 (1.5')	Total/NA	Solid	8015B NM	68852
880-36748-7	T-2 (2.0')	Total/NA	Solid	8015B NM	68852
880-36748-8	T-2 (3.0')	Total/NA	Solid	8015B NM	68852
880-36748-9	T-2 (4.0')	Total/NA	Solid	8015B NM	68852
880-36748-10	T-3 (0-1.0')	Total/NA	Solid	8015B NM	68852
880-36748-11	T-3 (1.5')	Total/NA	Solid	8015B NM	68852
880-36748-12	T-3 (2.0')	Total/NA	Solid	8015B NM	68852
880-36748-13	T-3 (3.0')	Total/NA	Solid	8015B NM	68852
880-36748-14	S-1 (0-1.0')	Total/NA	Solid	8015B NM	68852
880-36748-15	S-1 (1.5')	Total/NA	Solid	8015B NM	68852
880-36748-16	S-2 (0-1.0')	Total/NA	Solid	8015B NM	68852
MB 880-68852/1-A	Method Blank	Total/NA	Solid	8015B NM	68852
LCS 880-68852/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	68852
LCSD 880-68852/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	68852
880-36743-A-7-B MS	Matrix Spike	Total/NA	Solid	8015B NM	68852
880-36743-A-7-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	68852

Prep Batch: 68852

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-36748-1	T-1 (0-1.0')	Total/NA	Solid	8015NM Prep	
880-36748-2	T-1 (1.5')	Total/NA	Solid	8015NM Prep	
880-36748-3	T-1 (2.0')	Total/NA	Solid	8015NM Prep	
880-36748-4	T-1 (3.0')	Total/NA	Solid	8015NM Prep	
880-36748-5	T-2 (0-1.0')	Total/NA	Solid	8015NM Prep	
880-36748-6	T-2 (1.5')	Total/NA	Solid	8015NM Prep	
880-36748-7	T-2 (2.0')	Total/NA	Solid	8015NM Prep	
880-36748-8	T-2 (3.0')	Total/NA	Solid	8015NM Prep	
880-36748-9	T-2 (4.0')	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Carmona Resources
Project/Site: NDB Landfill CTP

Job ID: 880-36748-1
SDG: Lea County, New Mexico

GC Semi VOA (Continued)

Prep Batch: 68852 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-36748-10	T-3 (0-1.0')	Total/NA	Solid	8015NM Prep	
880-36748-11	T-3 (1.5')	Total/NA	Solid	8015NM Prep	
880-36748-12	T-3 (2.0')	Total/NA	Solid	8015NM Prep	
880-36748-13	T-3 (3.0')	Total/NA	Solid	8015NM Prep	
880-36748-14	S-1 (0-1.0')	Total/NA	Solid	8015NM Prep	
880-36748-15	S-1 (1.5')	Total/NA	Solid	8015NM Prep	
880-36748-16	S-2 (0-1.0')	Total/NA	Solid	8015NM Prep	
MB 880-68852/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-68852/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-68852/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-36743-A-7-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-36743-A-7-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 68904

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-36748-1	T-1 (0-1.0')	Total/NA	Solid	8015 NM	
880-36748-2	T-1 (1.5')	Total/NA	Solid	8015 NM	
880-36748-3	T-1 (2.0')	Total/NA	Solid	8015 NM	
880-36748-4	T-1 (3.0')	Total/NA	Solid	8015 NM	
880-36748-5	T-2 (0-1.0')	Total/NA	Solid	8015 NM	
880-36748-6	T-2 (1.5')	Total/NA	Solid	8015 NM	
880-36748-7	T-2 (2.0')	Total/NA	Solid	8015 NM	
880-36748-8	T-2 (3.0')	Total/NA	Solid	8015 NM	
880-36748-9	T-2 (4.0')	Total/NA	Solid	8015 NM	
880-36748-10	T-3 (0-1.0')	Total/NA	Solid	8015 NM	
880-36748-11	T-3 (1.5')	Total/NA	Solid	8015 NM	
880-36748-12	T-3 (2.0')	Total/NA	Solid	8015 NM	
880-36748-13	T-3 (3.0')	Total/NA	Solid	8015 NM	
880-36748-14	S-1 (0-1.0')	Total/NA	Solid	8015 NM	
880-36748-15	S-1 (1.5')	Total/NA	Solid	8015 NM	
880-36748-16	S-2 (0-1.0')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 68838

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-36748-1	T-1 (0-1.0')	Soluble	Solid	DI Leach	
880-36748-2	T-1 (1.5')	Soluble	Solid	DI Leach	
880-36748-3	T-1 (2.0')	Soluble	Solid	DI Leach	
880-36748-4	T-1 (3.0')	Soluble	Solid	DI Leach	
880-36748-5	T-2 (0-1.0')	Soluble	Solid	DI Leach	
880-36748-6	T-2 (1.5')	Soluble	Solid	DI Leach	
880-36748-7	T-2 (2.0')	Soluble	Solid	DI Leach	
880-36748-8	T-2 (3.0')	Soluble	Solid	DI Leach	
880-36748-9	T-2 (4.0')	Soluble	Solid	DI Leach	
880-36748-10	T-3 (0-1.0')	Soluble	Solid	DI Leach	
880-36748-11	T-3 (1.5')	Soluble	Solid	DI Leach	
880-36748-12	T-3 (2.0')	Soluble	Solid	DI Leach	
880-36748-13	T-3 (3.0')	Soluble	Solid	DI Leach	
880-36748-14	S-1 (0-1.0')	Soluble	Solid	DI Leach	
880-36748-15	S-1 (1.5')	Soluble	Solid	DI Leach	

QC Association Summary

Client: Carmona Resources
Project/Site: NDB Landfill CTP

Job ID: 880-36748-1
SDG: Lea County, New Mexico

HPLC/IC (Continued)

Leach Batch: 68838 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-36748-16	S-2 (0-1.0')	Soluble	Solid	DI Leach	
MB 880-68838/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-68838/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-68838/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-36748-7 MS	T-2 (2.0')	Soluble	Solid	DI Leach	
880-36748-7 MSD	T-2 (2.0')	Soluble	Solid	DI Leach	

Analysis Batch: 68919

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-36748-1	T-1 (0-1.0')	Soluble	Solid	300.0	68838
880-36748-2	T-1 (1.5')	Soluble	Solid	300.0	68838
880-36748-3	T-1 (2.0')	Soluble	Solid	300.0	68838
880-36748-4	T-1 (3.0')	Soluble	Solid	300.0	68838
880-36748-5	T-2 (0-1.0')	Soluble	Solid	300.0	68838
880-36748-6	T-2 (1.5')	Soluble	Solid	300.0	68838
880-36748-7	T-2 (2.0')	Soluble	Solid	300.0	68838
880-36748-8	T-2 (3.0')	Soluble	Solid	300.0	68838
880-36748-9	T-2 (4.0')	Soluble	Solid	300.0	68838
880-36748-10	T-3 (0-1.0')	Soluble	Solid	300.0	68838
880-36748-11	T-3 (1.5')	Soluble	Solid	300.0	68838
880-36748-12	T-3 (2.0')	Soluble	Solid	300.0	68838
880-36748-13	T-3 (3.0')	Soluble	Solid	300.0	68838
880-36748-14	S-1 (0-1.0')	Soluble	Solid	300.0	68838
880-36748-15	S-1 (1.5')	Soluble	Solid	300.0	68838
880-36748-16	S-2 (0-1.0')	Soluble	Solid	300.0	68838
MB 880-68838/1-A	Method Blank	Soluble	Solid	300.0	68838
LCS 880-68838/2-A	Lab Control Sample	Soluble	Solid	300.0	68838
LCSD 880-68838/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	68838
880-36748-7 MS	T-2 (2.0')	Soluble	Solid	300.0	68838
880-36748-7 MSD	T-2 (2.0')	Soluble	Solid	300.0	68838

Lab Chronicle

Client: Carmona Resources
Project/Site: NDB Landfill CTP

Job ID: 880-36748-1
SDG: Lea County, New Mexico

Client Sample ID: T-1 (0-1.0')

Lab Sample ID: 880-36748-1
Matrix: Solid
Date Collected: 12/07/23 00:00
Date Received: 12/11/23 10:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	69031	12/13/23 15:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	69086	12/14/23 16:40	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			69231	12/14/23 16:40	SM	EET MID
Total/NA	Analysis	8015 NM		1			68904	12/11/23 22:07	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	68852	12/11/23 14:33	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	68750	12/11/23 22:07	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	68838	12/11/23 13:30	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	68919	12/12/23 15:42	CH	EET MID

Client Sample ID: T-1 (1.5')

Lab Sample ID: 880-36748-2
Matrix: Solid
Date Collected: 12/07/23 00:00
Date Received: 12/11/23 10:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	69031	12/13/23 15:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	69086	12/14/23 14:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			69231	12/14/23 14:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			68904	12/11/23 22:27	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	68852	12/11/23 14:33	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	68750	12/11/23 22:27	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	68838	12/11/23 13:30	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	68919	12/12/23 16:05	CH	EET MID

Client Sample ID: T-1 (2.0')

Lab Sample ID: 880-36748-3
Matrix: Solid
Date Collected: 12/07/23 00:00
Date Received: 12/11/23 10:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	69031	12/13/23 15:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	69086	12/14/23 14:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			69231	12/14/23 14:32	SM	EET MID
Total/NA	Analysis	8015 NM		1			68904	12/11/23 22:49	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	68852	12/11/23 14:33	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	68750	12/11/23 22:49	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	68838	12/11/23 13:30	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	68919	12/12/23 16:13	CH	EET MID

Client Sample ID: T-1 (3.0')

Lab Sample ID: 880-36748-4
Matrix: Solid
Date Collected: 12/07/23 00:00
Date Received: 12/11/23 10:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	69031	12/13/23 15:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	69086	12/14/23 14:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			69231	12/14/23 14:53	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: NDB Landfill CTP

Job ID: 880-36748-1
SDG: Lea County, New Mexico

Client Sample ID: T-1 (3.0')

Lab Sample ID: 880-36748-4
Matrix: Solid
Date Collected: 12/07/23 00:00
Date Received: 12/11/23 10:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			68904	12/11/23 23:11	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	68852	12/11/23 14:33	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	68750	12/11/23 23:11	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	68838	12/11/23 13:30	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	68919	12/12/23 16:21	CH	EET MID

Client Sample ID: T-2 (0-1.0')

Lab Sample ID: 880-36748-5
Matrix: Solid
Date Collected: 12/07/23 00:00
Date Received: 12/11/23 10:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	69031	12/13/23 15:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	69086	12/14/23 15:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			69231	12/14/23 15:13	SM	EET MID
Total/NA	Analysis	8015 NM		1			68904	12/11/23 23:32	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	68852	12/11/23 14:33	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	68750	12/11/23 23:32	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	68838	12/11/23 13:30	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	68919	12/12/23 16:29	CH	EET MID

Client Sample ID: T-2 (1.5')

Lab Sample ID: 880-36748-6
Matrix: Solid
Date Collected: 12/07/23 00:00
Date Received: 12/11/23 10:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	69031	12/13/23 15:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	69086	12/14/23 15:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			69231	12/14/23 15:33	SM	EET MID
Total/NA	Analysis	8015 NM		1			68904	12/11/23 23:53	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	68852	12/11/23 14:33	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	68750	12/11/23 23:53	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	68838	12/11/23 13:30	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	68919	12/12/23 16:37	CH	EET MID

Client Sample ID: T-2 (2.0')

Lab Sample ID: 880-36748-7
Matrix: Solid
Date Collected: 12/07/23 00:00
Date Received: 12/11/23 10:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	69031	12/13/23 15:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	69086	12/14/23 15:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			69231	12/14/23 15:54	SM	EET MID
Total/NA	Analysis	8015 NM		1			68904	12/12/23 00:13	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	68852	12/11/23 14:33	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	68750	12/12/23 00:13	SM	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: NDB Landfill CTP

Job ID: 880-36748-1
SDG: Lea County, New Mexico

Client Sample ID: T-2 (2.0')

Lab Sample ID: 880-36748-7
Matrix: Solid
Date Collected: 12/07/23 00:00
Date Received: 12/11/23 10:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.04 g	50 mL	68838	12/11/23 13:30	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	68919	12/12/23 16:45	CH	EET MID

Client Sample ID: T-2 (3.0')

Lab Sample ID: 880-36748-8
Matrix: Solid
Date Collected: 12/07/23 00:00
Date Received: 12/11/23 10:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	69031	12/13/23 15:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	69086	12/14/23 16:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			69231	12/14/23 16:14	SM	EET MID
Total/NA	Analysis	8015 NM		1			68904	12/12/23 00:33	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	68852	12/11/23 14:33	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	68750	12/12/23 00:33	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	68838	12/11/23 13:30	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	68919	12/12/23 17:08	CH	EET MID

Client Sample ID: T-2 (4.0')

Lab Sample ID: 880-36748-9
Matrix: Solid
Date Collected: 12/07/23 00:00
Date Received: 12/11/23 10:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	69031	12/13/23 15:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	69086	12/14/23 18:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			69231	12/14/23 18:24	SM	EET MID
Total/NA	Analysis	8015 NM		1			68904	12/12/23 01:15	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	68852	12/11/23 14:33	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	68750	12/12/23 01:15	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	68838	12/11/23 13:30	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	68919	12/12/23 17:16	CH	EET MID

Client Sample ID: T-3 (0-1.0')

Lab Sample ID: 880-36748-10
Matrix: Solid
Date Collected: 12/07/23 00:00
Date Received: 12/11/23 10:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	69031	12/13/23 15:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	69086	12/14/23 18:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			69231	12/14/23 18:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			68904	12/12/23 01:35	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	68852	12/11/23 14:33	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	68750	12/12/23 01:35	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	68838	12/11/23 13:30	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	68919	12/12/23 17:39	CH	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: NDB Landfill CTP

Job ID: 880-36748-1
SDG: Lea County, New Mexico

Client Sample ID: T-3 (1.5')

Lab Sample ID: 880-36748-11
Matrix: Solid
Date Collected: 12/07/23 00:00
Date Received: 12/11/23 10:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	69031	12/13/23 15:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	69086	12/14/23 19:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			69231	12/14/23 19:04	SM	EET MID
Total/NA	Analysis	8015 NM		1			68904	12/12/23 01:56	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	68852	12/11/23 14:33	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	68750	12/12/23 01:56	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	68838	12/11/23 13:30	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	68919	12/12/23 17:47	CH	EET MID

Client Sample ID: T-3 (2.0')

Lab Sample ID: 880-36748-12
Matrix: Solid
Date Collected: 12/07/23 00:00
Date Received: 12/11/23 10:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	69031	12/13/23 15:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	69086	12/14/23 19:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			69231	12/14/23 19:25	SM	EET MID
Total/NA	Analysis	8015 NM		1			68904	12/12/23 02:17	SM	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10 mL	68852	12/11/23 14:33	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	68750	12/12/23 02:17	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	68838	12/11/23 13:30	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	68919	12/12/23 17:55	CH	EET MID

Client Sample ID: T-3 (3.0')

Lab Sample ID: 880-36748-13
Matrix: Solid
Date Collected: 12/07/23 00:00
Date Received: 12/11/23 10:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	69031	12/13/23 15:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	69086	12/14/23 19:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			69231	12/14/23 19:46	SM	EET MID
Total/NA	Analysis	8015 NM		1			68904	12/12/23 02:38	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	68852	12/11/23 14:33	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	68750	12/12/23 02:38	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	68838	12/11/23 13:30	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	68919	12/12/23 18:03	CH	EET MID

Client Sample ID: S-1 (0-1.0')

Lab Sample ID: 880-36748-14
Matrix: Solid
Date Collected: 12/07/23 00:00
Date Received: 12/11/23 10:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	69031	12/13/23 15:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	69086	12/14/23 20:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			69231	12/14/23 20:06	SM	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: NDB Landfill CTP

Job ID: 880-36748-1
SDG: Lea County, New Mexico

Client Sample ID: S-1 (0-1.0')

Lab Sample ID: 880-36748-14
Matrix: Solid
Date Collected: 12/07/23 00:00
Date Received: 12/11/23 10:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			68904	12/12/23 02:58	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	68852	12/11/23 14:33	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	68750	12/12/23 02:58	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	68838	12/11/23 13:30	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	68919	12/12/23 18:11	CH	EET MID

Client Sample ID: S-1 (1.5')

Lab Sample ID: 880-36748-15
Matrix: Solid
Date Collected: 12/07/23 00:00
Date Received: 12/11/23 10:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	69031	12/13/23 15:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	69086	12/14/23 20:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			69231	12/14/23 20:27	SM	EET MID
Total/NA	Analysis	8015 NM		1			68904	12/12/23 03:18	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	68852	12/11/23 14:33	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	68750	12/12/23 03:18	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	68838	12/11/23 13:30	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	68919	12/12/23 18:19	CH	EET MID

Client Sample ID: S-2 (0-1.0')

Lab Sample ID: 880-36748-16
Matrix: Solid
Date Collected: 12/07/23 00:00
Date Received: 12/11/23 10:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	69031	12/13/23 15:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	69086	12/14/23 20:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			69231	12/14/23 20:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			68904	12/12/23 03:39	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	68852	12/11/23 14:33	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	68750	12/12/23 03:39	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	68838	12/11/23 13:30	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	68919	12/12/23 18:27	CH	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: NDB Landfill CTP

Job ID: 880-36748-1
SDG: Lea County, New Mexico

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-23-26	06-30-24

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
300.0		Solid	Chloride
8015 NM		Solid	Total TPH
8015B NM	8015NM Prep	Solid	Diesel Range Organics (Over C10-C28)
8015B NM	8015NM Prep	Solid	Gasoline Range Organics (GRO)-C6-C10
8015B NM	8015NM Prep	Solid	Oil Range Organics (Over C28-C36)
8015B NM	8015NM Prep	Solid	Total TPH
8021B	5035	Solid	Benzene
8021B	5035	Solid	Ethylbenzene
8021B	5035	Solid	m-Xylene & p-Xylene
8021B	5035	Solid	o-Xylene
8021B	5035	Solid	Toluene
8021B	5035	Solid	Xylenes, Total
Total BTEX		Solid	Total BTEX

Method Summary

Client: Carmona Resources
Project/Site: NDB Landfill CTP

Job ID: 880-36748-1
SDG: Lea County, New Mexico

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: NDB Landfill CTP

Job ID: 880-36748-1
SDG: Lea County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-36748-1	T-1 (0-1.0')	Solid	12/07/23 00:00	12/11/23 10:50
880-36748-2	T-1 (1.5')	Solid	12/07/23 00:00	12/11/23 10:50
880-36748-3	T-1 (2.0')	Solid	12/07/23 00:00	12/11/23 10:50
880-36748-4	T-1 (3.0')	Solid	12/07/23 00:00	12/11/23 10:50
880-36748-5	T-2 (0-1.0')	Solid	12/07/23 00:00	12/11/23 10:50
880-36748-6	T-2 (1.5')	Solid	12/07/23 00:00	12/11/23 10:50
880-36748-7	T-2 (2.0')	Solid	12/07/23 00:00	12/11/23 10:50
880-36748-8	T-2 (3.0')	Solid	12/07/23 00:00	12/11/23 10:50
880-36748-9	T-2 (4.0')	Solid	12/07/23 00:00	12/11/23 10:50
880-36748-10	T-3 (0-1.0')	Solid	12/07/23 00:00	12/11/23 10:50
880-36748-11	T-3 (1.5')	Solid	12/07/23 00:00	12/11/23 10:50
880-36748-12	T-3 (2.0')	Solid	12/07/23 00:00	12/11/23 10:50
880-36748-13	T-3 (3.0')	Solid	12/07/23 00:00	12/11/23 10:50
880-36748-14	S-1 (0-1.0')	Solid	12/07/23 00:00	12/11/23 10:50
880-36748-15	S-1 (1.5')	Solid	12/07/23 00:00	12/11/23 10:50
880-36748-16	S-2 (0-1.0')	Solid	12/07/23 00:00	12/11/23 10:50

Chain of Custody

W

880-36748 Chain of Custody

Page 1 of 2

Project Manager	Connor Moehring	Bill to: (if different)	Joseph Vargo
Company Name.	Carmona Resources	Company Name.	NGL Water Solutions Permian
Address.	310 W Wall St Ste 500	Address.	865 N Albino Street, Suite 400
City, State ZIP	Midland, TX 79701	City, State ZIP	Denver CO 80220
Phone	(432) 813-6823	Email	Joseph.Vargo@nglep.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

Reporting Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐

Deliverables EDD ☐ ADaPT ☐ Other

Project Name	NDB Landfill CTP	Turn Around	
Project Number	2207	☑ Routine ☐ Rush	
Project Location	Lea County, New Mexico	Due Date	
Sampler's Name	GPJ		
PO #			

SAMPLE RECEIPT			
Temp Blank.	Yes No	Wet Ice:	Yes No
Received Intact:	Yes No	Thermometer ID	IR8
Cooler Custody Seals	Yes No N/A	Correction Factor	+.20
Sample Custody Seals.	Yes No N/A	Temperature Reading	-0.7
Total Containers.		Corrected Temperature	-0.5

Preservative Codes

None NO; DI Water H_2O; Cool Cool; MeOH Me; HCL. HC; HNO_3 HN; H_2S0_4. H_2; NaOH Na; H_3PO_4 HP; $NaHSO_4$ NABIS; $Na_2S_2O_3$ $NaSO_3$; Zn Acetate+NaOH Zn; NaOH+Ascorbic Acid SAPC

ANALYSIS REQUEST

Parameters

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	Sample Comments
T-1 (0-1 0')	12/7/2023		X		G	1		x	x	x	
T-1 (1 5')	12/7/2023		X		G	1		x	x	x	
T-1 (2 0')	12/7/2023		X		G	1		x	x	x	
T-1 (3 0')	12/7/2023		X		G	1		x	x	x	
T-2 (0-1 0')	12/7/2023		X		G	1		x	x	x	
T-2 (1.5')	12/7/2023		X		G	1		x	x	x	
T-2 (2 0')	12/7/2023		X		G	1		x	x	x	
T-2 (3 0')	12/7/2023		X		G	1		x	x	x	
T-2 (4 0')	12/7/2023		X		G	1		x	x	x	
T-3 (0-1 0')	12/7/2023		X		G	1		x	x	x	

Comments: Email to Mike Carmona / Mcarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com

Relinquished by (Signature)	Date/Time	Received by: (Signature)	Date/Time
	12/11/23 1050		

Chain of Custody

Work Order No: Loc: 880 36748

Project Manager	Connor Moehring	Bill to. (if different)	Joseph Vargo
Company Name	Carmona Resources	Company Name:	NGL Water Solutions Permian
Address.	310 W Wall St Ste 500	Address.	865 N Albino Street, Suite 400
City, State ZIP	Midland, TX 79701	City, State ZIP	Denver, CO 80220
Phone	(432) 813-6823	Email	Joseph.Vargo@nglep.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

Reporting Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐

Deliverables EDD ☐ ADaPT ☐ Other

Project Name	NDB Landfill CTP	Turn Around	
Project Number	2207	☑ Routine	☐ Rush
Project Location	Lea County, New Mexico	Due Date	
Sampler's Name.	GPJ		
PO #:			

SAMPLE RECEIPT	Temp Blank	Yes No	Wet Ice	Yes No
Received Intact:	Yes No	Thermometer ID		
Cooler Custody Seals.	Yes No N/A	Correction Factor		
Sample Custody Seals.	Yes No N/A	Temperature Reading		
Total Containers.		Corrected Temperature		

ANALYSIS REQUEST

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0
T-3 (1.5')	12/7/2023		X		G	1		x	x	x
T-3 (2 0')	12/7/2023		X		G	1		x	x	x
T-3 (3 0')	12/7/2023		X		G	1		x	x	x
S-1 (0-1 0')	12/7/2023		X		G	1		x	x	x
S-1 (1 5')	12/7/2023		X		G	1		x	x	x
S-2 (0-1 0')	12/7/2023		X		G	1		x	x	x

Preservative Codes

None NO DI Water H_2O
Cool Cool MeOH Me
HCL. HC HNO_3 HN
H_2S0_4. H_2 NaOH Na
H_3PO_4 HP
$NaHSO_4$. NABIS
$Na_2S_2O_3$ $NaSO_3$
Zn Acetate+NaOH Zn
NaOH+Ascorbic Acid SAPC

Sample Comments

Comments: Email to Mike Carmona / Mcarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com

Relinquished by (Signature)	Date/Time	Received by: (Signature)	Date/Time
	12/11/23 1050		

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-36748-1
SDG Number: Lea County, New Mexico

Login Number: 36748
List Number: 1
Creator: Rodriguez, Leticia

List Source: Eurofins Midland

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

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Conner Moehring
Carmona Resources
310 W Wall St
Ste 500
Midland, Texas 79701

Generated 2/14/2024 1:10:03 PM Revision 1

JOB DESCRIPTION

NDB LANDFILL CTP
Lea County New Mexico

JOB NUMBER

890-6046-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

my EOL

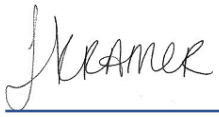
Eurofins Carlsbad

Job Notes

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

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

Authorization



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2/14/2024 1:10:03 PM
Revision 1

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

Client: Carmona Resources
Project/Site: NDB LANDFILL CTP

Laboratory Job ID: 890-6046-1
SDG: Lea County New Mexico

Table of Contents

Definitions/Glossary

Client: Carmona Resources
Project/Site: NDB LANDFILL CTP

Job ID: 890-6046-1
SDG: Lea County New Mexico

Qualifiers

GC VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

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

HPLC/IC

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
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

Client: Carmona Resources
Project: NDB LANDFILL CTP

Job ID: 890-6046-1

Job ID: 890-6046-1 Eurofins Carlsbad

Job Narrative
890-6046-1

REVISION

The report being provided is a revision of the original report sent on 2/13/2024. The report (revision 1) is being revised due to Per client email, requesting sample ID corrections.

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

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

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

Receipt
The samples were received on 1/26/2024 4:14 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.4°C

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: T-5 (0-1) (890-6046-1), T-5 (1.5) (890-6046-2), T-5 (2) (890-6046-3), T-5 (2.5) (890-6046-4), T-5 (3) (890-6046-5), T-4 (0-1) (890-6046-6), T-4 (1.5) (890-6046-7), T-4 (2) (890-6046-8), T-4 (2.5) (890-6046-9) and T-4 (3) (890-6046-10).

GC VOA
Method 8021B: Surrogate recovery for the following samples were outside control limits: T-4 (2.5) (890-6046-9) and T-4 (3) (890-6046-10). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following sample was outside control limits: (LCSD 880-72364/2-A). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-72364 and analytical batch 880-72580 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.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-72364 and analytical batch 880-72580 was outside the control limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: T-5 (1.5) (890-6046-2), T-5 (2) (890-6046-3), T-4 (0-1) (890-6046-6), T-4 (1.5) (890-6046-7), T-4 (2) (890-6046-8) and (CCV 880-72580/20). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-72185 and analytical batch 880-72459 was outside the control limits.

Method 8021B: Surrogate recovery for the following sample was outside control limits: (LCS 880-72184/1-A). Evidence of matrix interferences is not obvious.

Method 8021B: Surrogate recovery for the following sample was outside control limits: (880-38450-A-1-F MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The matrix spike duplicate (MSD) recoveries for preparation batch 880-72184 and analytical batch 880-72459 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within

Case Narrative

Client: Carmona Resources
Project: NDB LANDFILL CTP

Job ID: 890-6046-1

Job ID: 890-6046-1 (Continued) Eurofins Carlsbad

acceptance limits.

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

GC Semi VOA
Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 870-17962 and analytical batch 870-17706 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.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (890-6046-A-1-N MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside the upper control limit: T-5 (2.5) (890-6046-4), T-5 (3) (890-6046-5) and T-4 (0-1) (890-6046-6). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside the upper control limit: T-4 (2.5) (890-6046-9) and T-4 (3) (890-6046-10). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

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

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

Client Sample Results

Client: Carmona Resources
Project/Site: NDB LANDFILL CTP

Job ID: 890-6046-1
SDG: Lea County New Mexico

Client Sample ID: T-5 (0-1)

Date Collected: 01/25/24 00:00
Date Received: 01/26/24 16:14

Lab Sample ID: 890-6046-1

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U F2 F1	0.00200		mg/Kg		02/05/24 11:42	02/07/24 23:13	1
Toluene	<0.00200	U F2 F1	0.00200		mg/Kg		02/05/24 11:42	02/07/24 23:13	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/05/24 11:42	02/07/24 23:13	1
m-Xylene & p-Xylene	<0.00401	U F2 F1	0.00401		mg/Kg		02/05/24 11:42	02/07/24 23:13	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/05/24 11:42	02/07/24 23:13	1
Xylenes, Total	<0.00401	U F2 F1	0.00401		mg/Kg		02/05/24 11:42	02/07/24 23:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*86*		*70 - 130*	*02/05/24 11:42*	*02/07/24 23:13*	*1*
1,4-Difluorobenzene (Surr)	*72*		*70 - 130*	*02/05/24 11:42*	*02/07/24 23:13*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			02/07/24 23:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			02/04/24 13:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	<50.3	U F1	50.3		mg/Kg		01/30/24 14:56	02/04/24 13:31	1
Diesel Range Organics (Over C10-C28)	<50.3	U F1	50.3		mg/Kg		01/30/24 14:56	02/04/24 13:31	1
OII Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		01/30/24 14:56	02/04/24 13:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*106*		*70 - 130*	*01/30/24 14:56*	*02/04/24 13:31*	*1*
1-Chlorooctane	*94*		*70 - 130*	*01/30/24 14:56*	*02/04/24 13:31*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1260**		25.1		mg/Kg			02/03/24 14:18	5

Client Sample ID: T-5 (1.5)

Date Collected: 01/25/24 00:00
Date Received: 01/26/24 16:14

Lab Sample ID: 890-6046-2

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/05/24 11:42	02/07/24 23:39	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/05/24 11:42	02/07/24 23:39	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/05/24 11:42	02/07/24 23:39	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/05/24 11:42	02/07/24 23:39	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/05/24 11:42	02/07/24 23:39	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/05/24 11:42	02/07/24 23:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*134*	*S1+*	*70 - 130*	*02/05/24 11:42*	*02/07/24 23:39*	*1*
1,4-Difluorobenzene (Surr)	*78*		*70 - 130*	*02/05/24 11:42*	*02/07/24 23:39*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: NDB LANDFILL CTP

Job ID: 890-6046-1
SDG: Lea County New Mexico

Client Sample ID: T-5 (1.5)
Date Collected: 01/25/24 00:00
Date Received: 01/26/24 16:14

Lab Sample ID: 890-6046-2
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			02/07/24 23:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/04/24 14:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	<49.9	U	49.9		mg/Kg		01/30/24 14:56	02/04/24 14:34	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		01/30/24 14:56	02/04/24 14:34	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/30/24 14:56	02/04/24 14:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*91*		*70 - 130*	*01/30/24 14:56*	*02/04/24 14:34*	*1*
1-Chlorooctane	*81*		*70 - 130*	*01/30/24 14:56*	*02/04/24 14:34*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**345**		5.05		mg/Kg			02/03/24 14:33	1

Client Sample ID: T-5 (2)
Date Collected: 01/25/24 00:00
Date Received: 01/26/24 16:14

Lab Sample ID: 890-6046-3
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/05/24 11:42	02/08/24 00:05	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/05/24 11:42	02/08/24 00:05	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/05/24 11:42	02/08/24 00:05	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/05/24 11:42	02/08/24 00:05	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/05/24 11:42	02/08/24 00:05	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/05/24 11:42	02/08/24 00:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*135*	*S1+*	*70 - 130*	*02/05/24 11:42*	*02/08/24 00:05*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*02/05/24 11:42*	*02/08/24 00:05*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/08/24 00:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/04/24 14:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	<50.0	U	50.0		mg/Kg		01/30/24 14:56	02/04/24 14:55	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/30/24 14:56	02/04/24 14:55	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/30/24 14:56	02/04/24 14:55	1

Client Sample Results

Client: Carmona Resources
Project/Site: NDB LANDFILL CTP

Job ID: 890-6046-1
SDG: Lea County New Mexico

Client Sample ID: T-5 (2)
Date Collected: 01/25/24 00:00
Date Received: 01/26/24 16:14

Lab Sample ID: 890-6046-3
Matrix: Solid

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	*91*		*70 - 130*	*01/30/24 14:56*	*02/04/24 14:55*	*1*
1-Chlorooctane	*82*		*70 - 130*	*01/30/24 14:56*	*02/04/24 14:55*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**89.9**		5.04		mg/Kg			02/03/24 14:38	1

Client Sample ID: T-5 (2.5)
Date Collected: 01/25/24 00:00
Date Received: 01/26/24 16:14

Lab Sample ID: 890-6046-4
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		02/05/24 11:42	02/08/24 00:31	1
Toluene	<0.00198	U	0.00198		mg/Kg		02/05/24 11:42	02/08/24 00:31	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		02/05/24 11:42	02/08/24 00:31	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		02/05/24 11:42	02/08/24 00:31	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		02/05/24 11:42	02/08/24 00:31	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		02/05/24 11:42	02/08/24 00:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*	*02/05/24 11:42*	*02/08/24 00:31*	*1*
1,4-Difluorobenzene (Surr)	*82*		*70 - 130*	*02/05/24 11:42*	*02/08/24 00:31*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			02/08/24 00:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			02/13/24 09:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	<49.7	U	49.7		mg/Kg		01/30/24 14:56	02/13/24 09:34	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		01/30/24 14:56	02/13/24 09:34	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		01/30/24 14:56	02/13/24 09:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	*187*	*S1+*	*70 - 130*	*01/30/24 14:56*	*02/13/24 09:34*	*1*
1-Chlorooctane	*164*	*S1+*	*70 - 130*	*01/30/24 14:56*	*02/13/24 09:34*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**66.6**		5.02		mg/Kg			02/03/24 14:53	1

Client Sample Results

Client: Carmona Resources
Project/Site: NDB LANDFILL CTP

Job ID: 890-6046-1
SDG: Lea County New Mexico

Client Sample ID: T-5 (3)
Date Collected: 01/25/24 00:00
Date Received: 01/26/24 16:14

Lab Sample ID: 890-6046-5
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/05/24 11:42	02/08/24 00:57	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/05/24 11:42	02/08/24 00:57	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/05/24 11:42	02/08/24 00:57	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/05/24 11:42	02/08/24 00:57	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/05/24 11:42	02/08/24 00:57	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/05/24 11:42	02/08/24 00:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*131*	*S1+*	*70 - 130*	*02/05/24 11:42*	*02/08/24 00:57*	*1*
1,4-Difluorobenzene (Surr)	*118*		*70 - 130*	*02/05/24 11:42*	*02/08/24 00:57*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/08/24 00:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**51.4**		49.8		mg/Kg			02/13/24 10:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	<49.8	U	49.8		mg/Kg		01/30/24 14:56	02/13/24 10:39	1
Diesel Range Organics (Over C10-C28)	**51.4**		49.8		mg/Kg		01/30/24 14:56	02/13/24 10:39	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		01/30/24 14:56	02/13/24 10:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*183*	*S1+*	*70 - 130*	*01/30/24 14:56*	*02/13/24 10:39*	*1*
1-Chlorooctane	*158*	*S1+*	*70 - 130*	*01/30/24 14:56*	*02/13/24 10:39*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**79.0**		5.04		mg/Kg			02/03/24 14:58	1

Client Sample ID: T-4 (0-1)
Date Collected: 01/25/24 00:00
Date Received: 01/26/24 16:14

Lab Sample ID: 890-6046-6
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.00227**		0.00200		mg/Kg		02/07/24 11:42	02/08/24 01:22	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/07/24 11:42	02/08/24 01:22	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/07/24 11:42	02/08/24 01:22	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/07/24 11:42	02/08/24 01:22	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/07/24 11:42	02/08/24 01:22	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/07/24 11:42	02/08/24 01:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*133*	*S1+*	*70 - 130*	*02/07/24 11:42*	*02/08/24 01:22*	*1*
1,4-Difluorobenzene (Surr)	*117*		*70 - 130*	*02/07/24 11:42*	*02/08/24 01:22*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: NDB LANDFILL CTP

Job ID: 890-6046-1
SDG: Lea County New Mexico

Client Sample ID: T-4 (0-1)
Date Collected: 01/25/24 00:00
Date Received: 01/26/24 16:14

Lab Sample ID: 890-6046-6
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			02/08/24 01:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			02/13/24 10:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	<49.6	U	49.6		mg/Kg		01/30/24 14:56	02/13/24 10:59	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		01/30/24 14:56	02/13/24 10:59	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		01/30/24 14:56	02/13/24 10:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*196*	*S1+*	*70 - 130*	*01/30/24 14:56*	*02/13/24 10:59*	*1*
1-Chlorooctane	*171*	*S1+*	*70 - 130*	*01/30/24 14:56*	*02/13/24 10:59*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3670**		25.2		mg/Kg			02/03/24 15:03	5

Client Sample ID: T-4 (1.5)
Date Collected: 01/25/24 00:00
Date Received: 01/26/24 16:14

Lab Sample ID: 890-6046-7
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		02/07/24 11:42	02/08/24 01:48	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/07/24 11:42	02/08/24 01:48	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/07/24 11:42	02/08/24 01:48	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		02/07/24 11:42	02/08/24 01:48	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/07/24 11:42	02/08/24 01:48	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/07/24 11:42	02/08/24 01:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*02/07/24 11:42*	*02/08/24 01:48*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*02/07/24 11:42*	*02/08/24 01:48*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			02/08/24 01:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			02/04/24 16:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	<50.2	U	50.2		mg/Kg		01/30/24 14:56	02/04/24 16:20	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		01/30/24 14:56	02/04/24 16:20	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		01/30/24 14:56	02/04/24 16:20	1

Client Sample Results

Client: Carmona Resources
Project/Site: NDB LANDFILL CTP

Job ID: 890-6046-1
SDG: Lea County New Mexico

Client Sample ID: T-4 (1.5)
Date Collected: 01/25/24 00:00
Date Received: 01/26/24 16:14

Lab Sample ID: 890-6046-7
Matrix: Solid

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	*96*		*70 - 130*	*01/30/24 14:56*	*02/04/24 16:20*	*1*
1-Chlorooctane	*86*		*70 - 130*	*01/30/24 14:56*	*02/04/24 16:20*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1550**		25.0		mg/Kg			02/03/24 15:08	5

Client Sample ID: T-4 (2)
Date Collected: 01/25/24 00:00
Date Received: 01/26/24 16:14

Lab Sample ID: 890-6046-8
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/07/24 11:42	02/08/24 02:14	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/07/24 11:42	02/08/24 02:14	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/07/24 11:42	02/08/24 02:14	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/07/24 11:42	02/08/24 02:14	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/07/24 11:42	02/08/24 02:14	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/07/24 11:42	02/08/24 02:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*158*	*S1+*	*70 - 130*	*02/07/24 11:42*	*02/08/24 02:14*	*1*
1,4-Difluorobenzene (Surr)	*124*		*70 - 130*	*02/07/24 11:42*	*02/08/24 02:14*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			02/08/24 02:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			02/04/24 16:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	<50.4	U	50.4		mg/Kg		01/30/24 14:56	02/04/24 16:41	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		01/30/24 14:56	02/04/24 16:41	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		01/30/24 14:56	02/04/24 16:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	*98*		*70 - 130*	*01/30/24 14:56*	*02/04/24 16:41*	*1*
1-Chlorooctane	*86*		*70 - 130*	*01/30/24 14:56*	*02/04/24 16:41*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2290**		25.0		mg/Kg			02/03/24 15:13	5

Client Sample Results

Client: Carmona Resources
Project/Site: NDB LANDFILL CTP

Job ID: 890-6046-1
SDG: Lea County New Mexico

Client Sample ID: T-4 (2.5)

Date Collected: 01/25/24 00:00
Date Received: 01/26/24 16:14

Lab Sample ID: 890-6046-9

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		02/01/24 17:03	02/07/24 18:56	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/01/24 17:03	02/07/24 18:56	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/01/24 17:03	02/07/24 18:56	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		02/01/24 17:03	02/07/24 18:56	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/01/24 17:03	02/07/24 18:56	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/01/24 17:03	02/07/24 18:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*150*	*S1+*	*70 - 130*	*02/01/24 17:03*	*02/07/24 18:56*	*1*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*	*02/01/24 17:03*	*02/07/24 18:56*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			02/07/24 18:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			02/13/24 11:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	<50.5	U	50.5		mg/Kg		01/30/24 14:56	02/13/24 11:41	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		01/30/24 14:56	02/13/24 11:41	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		01/30/24 14:56	02/13/24 11:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*208*	*S1+*	*70 - 130*	*01/30/24 14:56*	*02/13/24 11:41*	*1*
1-Chlorooctane	*179*	*S1+*	*70 - 130*	*01/30/24 14:56*	*02/13/24 11:41*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**82.8**		5.02		mg/Kg			02/03/24 15:17	1

Client Sample ID: T-4 (3)

Date Collected: 01/25/24 00:00
Date Received: 01/26/24 16:14

Lab Sample ID: 890-6046-10

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/01/24 17:03	02/07/24 19:21	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/01/24 17:03	02/07/24 19:21	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/01/24 17:03	02/07/24 19:21	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		02/01/24 17:03	02/07/24 19:21	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/01/24 17:03	02/07/24 19:21	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		02/01/24 17:03	02/07/24 19:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*137*	*S1+*	*70 - 130*	*02/01/24 17:03*	*02/07/24 19:21*	*1*
1,4-Difluorobenzene (Surr)	*75*		*70 - 130*	*02/01/24 17:03*	*02/07/24 19:21*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: NDB LANDFILL CTP

Job ID: 890-6046-1
SDG: Lea County New Mexico

Client Sample ID: T-4 (3)
Date Collected: 01/25/24 00:00
Date Received: 01/26/24 16:14

Lab Sample ID: 890-6046-10
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			02/07/24 19:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			02/13/24 12:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	<49.7	U	49.7		mg/Kg		01/30/24 14:56	02/13/24 12:02	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		01/30/24 14:56	02/13/24 12:02	1
OII Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		01/30/24 14:56	02/13/24 12:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*204*	*S1+*	*70 - 130*	*01/30/24 14:56*	*02/13/24 12:02*	*1*
1-Chlorooctane	*177*	*S1+*	*70 - 130*	*01/30/24 14:56*	*02/13/24 12:02*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**91.5**		5.05		mg/Kg			02/03/24 15:22	1

Surrogate Summary

Client: Carmona Resources
Project/Site: NDB LANDFILL CTP

Job ID: 890-6046-1
SDG: Lea County New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-38450-A-1-E MS	Matrix Spike	124	84
880-38450-A-1-F MSD	Matrix Spike Duplicate	166 S1+	110
890-6046-1	T-5 (0-1)	86	72
890-6046-1 MS	T-5 (0-1)	108	98
890-6046-1 MSD	T-5 (0-1)	119	68 S1-
890-6046-2	T-5 (1.5)	134 S1+	78
890-6046-3	T-5 (2)	135 S1+	103
890-6046-4	T-5 (2.5)	116	82
890-6046-5	T-5 (3)	131 S1+	118
890-6046-6	T-4 (0-1)	133 S1+	117
890-6046-7	T-4 (1.5)	111	94
890-6046-8	T-4 (2)	158 S1+	124
890-6046-9	T-4 (2.5)	150 S1+	86
890-6046-10	T-4 (3)	137 S1+	75
LCS 880-72184/1-A	Lab Control Sample	113	68 S1-
LCS 880-72364/1-A	Lab Control Sample	128	90
LCSD 880-72184/2-A	Lab Control Sample Dup	100	83
LCSD 880-72364/2-A	Lab Control Sample Dup	134 S1+	79
MB 880-72184/5-A	Method Blank	80	111
MB 880-72185/5-A	Method Blank	63 S1-	81
MB 880-72364/5-A	Method Blank	67 S1-	100

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	OTPH1 (70-130)	1CO1 (70-130)
890-6046-1	T-5 (0-1)	106	94
890-6046-1 MS	T-5 (0-1)	70	72
890-6046-1 MSD	T-5 (0-1)	64 S1-	66 S1-
890-6046-2	T-5 (1.5)	91	81
890-6046-3	T-5 (2)	91	82
890-6046-4	T-5 (2.5)	187 S1+	164 S1+
890-6046-5	T-5 (3)	183 S1+	158 S1+
890-6046-6	T-4 (0-1)	196 S1+	171 S1+
890-6046-7	T-4 (1.5)	96	86
890-6046-8	T-4 (2)	98	86
890-6046-9	T-4 (2.5)	208 S1+	179 S1+
890-6046-10	T-4 (3)	204 S1+	177 S1+
LCS 870-17962/1-A	Lab Control Sample	99	104
LCSD 870-17962/2-A	Lab Control Sample Dup	100	105
MB 870-17962/3-A	Method Blank	125	105

Surrogate Legend

OTPH = o-Terphenyl
1CO = 1-Chlorooctane

QC Sample Results

Client: Carmona Resources
Project/Site: NDB LANDFILL CTP

Job ID: 890-6046-1
SDG: Lea County New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-72184/5-A
Matrix: Solid
Analysis Batch: 72459

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 72184

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/01/24 17:03	02/07/24 09:18	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/01/24 17:03	02/07/24 09:18	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/01/24 17:03	02/07/24 09:18	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/01/24 17:03	02/07/24 09:18	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/01/24 17:03	02/07/24 09:18	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/01/24 17:03	02/07/24 09:18	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*80*		*70 - 130*	*02/01/24 17:03*	*02/07/24 09:18*	*1*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*	*02/01/24 17:03*	*02/07/24 09:18*	*1*

Lab Sample ID: LCS 880-72184/1-A
Matrix: Solid
Analysis Batch: 72459

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 72184

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.08781		mg/Kg		88	70 - 130		
Toluene			0.100	0.08899		mg/Kg		89	70 - 130		
Ethylbenzene			0.100	0.08006		mg/Kg		80	70 - 130		
m-Xylene & p-Xylene			0.200	0.2102		mg/Kg		105	70 - 130		
o-Xylene			0.100	0.1097		mg/Kg		110	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*
1,4-Difluorobenzene (Surr)	*68*	*S1-*	*70 - 130*

Lab Sample ID: LCSD 880-72184/2-A
Matrix: Solid
Analysis Batch: 72459

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 72184

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.08092		mg/Kg		81	70 - 130	8	35
Toluene			0.100	0.08932		mg/Kg		89	70 - 130	0	35
Ethylbenzene			0.100	0.09202		mg/Kg		92	70 - 130	14	35
m-Xylene & p-Xylene			0.200	0.2104		mg/Kg		105	70 - 130	0	35
o-Xylene			0.100	0.09483		mg/Kg		95	70 - 130	15	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*
1,4-Difluorobenzene (Surr)	*83*		*70 - 130*

Lab Sample ID: 880-38450-A-1-E MS
Matrix: Solid
Analysis Batch: 72459

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 72184

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00200	U	0.0996	0.07462		mg/Kg		75	70 - 130		
Toluene	<0.00200	U	0.0996	0.08512		mg/Kg		84	70 - 130		

QC Sample Results

Client: Carmona Resources
Project/Site: NDB LANDFILL CTP

Job ID: 890-6046-1
SDG: Lea County New Mexico

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

Lab Sample ID: 880-38450-A-1-E MS
Matrix: Solid
Analysis Batch: 72459

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 72184

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U	0.0996	0.08234		mg/Kg		83	70 - 130
m-Xylene & p-Xylene	<0.00401	U F1	0.199	0.1872		mg/Kg		94	70 - 130
o-Xylene	<0.00200	U	0.0996	0.08993		mg/Kg		90	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*124*		*70 - 130*
1,4-Difluorobenzene (Surr)	*84*		*70 - 130*

Lab Sample ID: 880-38450-A-1-F MSD
Matrix: Solid
Analysis Batch: 72459

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 72184

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.0990	0.1013		mg/Kg		102	70 - 130	30	35
Toluene	<0.00200	U	0.0990	0.1158		mg/Kg		116	70 - 130	31	35
Ethylbenzene	<0.00200	U	0.0990	0.1055		mg/Kg		107	70 - 130	25	35
m-Xylene & p-Xylene	<0.00401	U F1	0.198	0.2670	F1	mg/Kg		135	70 - 130	35	35
o-Xylene	<0.00200	U	0.0990	0.1182		mg/Kg		119	70 - 130	27	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*166*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*

Lab Sample ID: MB 880-72185/5-A
Matrix: Solid
Analysis Batch: 72459

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 72185

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/01/24 17:08	02/06/24 19:40	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/01/24 17:08	02/06/24 19:40	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/01/24 17:08	02/06/24 19:40	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/01/24 17:08	02/06/24 19:40	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/01/24 17:08	02/06/24 19:40	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/01/24 17:08	02/06/24 19:40	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*63*	*S1-*	*70 - 130*	*02/01/24 17:08*	*02/06/24 19:40*	*1*
1,4-Difluorobenzene (Surr)	*81*		*70 - 130*	*02/01/24 17:08*	*02/06/24 19:40*	*1*

Lab Sample ID: MB 880-72364/5-A
Matrix: Solid
Analysis Batch: 72580

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 72364

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/05/24 11:42	02/07/24 22:47	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/05/24 11:42	02/07/24 22:47	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/05/24 11:42	02/07/24 22:47	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/05/24 11:42	02/07/24 22:47	1

QC Sample Results

Client: Carmona Resources
Project/Site: NDB LANDFILL CTP

Job ID: 890-6046-1
SDG: Lea County New Mexico

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

Lab Sample ID: MB 880-72364/5-A
Matrix: Solid
Analysis Batch: 72580

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 72364

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/05/24 11:42	02/07/24 22:47	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/05/24 11:42	02/07/24 22:47	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*67*	*S1-*	*70 - 130*	*02/05/24 11:42*	*02/07/24 22:47*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*02/05/24 11:42*	*02/07/24 22:47*	*1*

Lab Sample ID: LCS 880-72364/1-A
Matrix: Solid
Analysis Batch: 72580

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 72364

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1047		mg/Kg		105	70 - 130
Toluene	0.100	0.09944		mg/Kg		99	70 - 130
Ethylbenzene	0.100	0.1187		mg/Kg		119	70 - 130
m-Xylene & p-Xylene	0.200	0.2555		mg/Kg		128	70 - 130
o-Xylene	0.100	0.1240		mg/Kg		124	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*128*		*70 - 130*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*

Lab Sample ID: LCSD 880-72364/2-A
Matrix: Solid
Analysis Batch: 72580

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 72364

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09592		mg/Kg		96	70 - 130	9	35
Toluene	0.100	0.08954		mg/Kg		90	70 - 130	10	35
Ethylbenzene	0.100	0.1145		mg/Kg		114	70 - 130	4	35
m-Xylene & p-Xylene	0.200	0.2583		mg/Kg		129	70 - 130	1	35
o-Xylene	0.100	0.1220		mg/Kg		122	70 - 130	2	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*134*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*79*		*70 - 130*

Lab Sample ID: 890-6046-1 MS
Matrix: Solid
Analysis Batch: 72580

Client Sample ID: T-5 (0-1)
Prep Type: Total/NA
Prep Batch: 72364

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U F2 F1	0.0996	0.05143	F1	mg/Kg		52	70 - 130
Toluene	<0.00200	U F2 F1	0.0996	0.04714	F1	mg/Kg		47	70 - 130
Ethylbenzene	<0.00200	U	0.0996	0.07346		mg/Kg		74	70 - 130
m-Xylene & p-Xylene	<0.00401	U F2 F1	0.199	0.1050	F1	mg/Kg		53	70 - 130
o-Xylene	<0.00200	U	0.0996	0.08578		mg/Kg		86	70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: NDB LANDFILL CTP

Job ID: 890-6046-1
SDG: Lea County New Mexico

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

Lab Sample ID: 890-6046-1 MS
Matrix: Solid
Analysis Batch: 72580

Client Sample ID: T-5 (0-1)
Prep Type: Total/NA
Prep Batch: 72364

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: 890-6046-1 MSD
Matrix: Solid
Analysis Batch: 72580

Client Sample ID: T-5 (0-1)
Prep Type: Total/NA
Prep Batch: 72364

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U F2 F1	0.0994	0.07897	F2	mg/Kg		79	70 - 130	42	35
Toluene	<0.00200	U F2 F1	0.0994	0.07673	F2	mg/Kg		77	70 - 130	48	35
Ethylbenzene	<0.00200	U	0.0994	0.07462		mg/Kg		75	70 - 130	2	35
m-Xylene & p-Xylene	<0.00401	U F2 F1	0.199	0.1823	F2	mg/Kg		92	70 - 130	54	35
o-Xylene	<0.00200	U	0.0994	0.09084		mg/Kg		91	70 - 130	6	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	119		70 - 130
1,4-Difluorobenzene (Surr)	68	S1-	70 - 130

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

Lab Sample ID: MB 870-17962/3-A
Matrix: Solid
Analysis Batch: 17706

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 17962

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	<50.0	U	50.0		mg/Kg		01/30/24 14:56	02/04/24 13:10	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/30/24 14:56	02/04/24 13:10	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/30/24 14:56	02/04/24 13:10	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	125		70 - 130	01/30/24 14:56	02/04/24 13:10	1
1-Chlorooctane	105		70 - 130	01/30/24 14:56	02/04/24 13:10	1

Lab Sample ID: LCS 870-17962/1-A
Matrix: Solid
Analysis Batch: 17706

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 17962

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)	1020	774.3		mg/Kg		76	70 - 130
Diesel Range Organics (Over C10-C28)	1010	944.5		mg/Kg		94	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
o-Terphenyl	99		70 - 130
1-Chlorooctane	104		70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: NDB LANDFILL CTP

Job ID: 890-6046-1
SDG: Lea County New Mexico

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

Lab Sample ID: LCSD 870-17962/2-A
Matrix: Solid
Analysis Batch: 17706

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 17962

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)			1020	899.4		mg/Kg		88	70 - 130	15	20
Diesel Range Organics (Over C10-C28)			1010	956.3		mg/Kg		95	70 - 130	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
o-Terphenyl	*100*		*70 - 130*
1-Chlorooctane	*105*		*70 - 130*

Lab Sample ID: 890-6046-1 MS
Matrix: Solid
Analysis Batch: 17706

Client Sample ID: T-5 (0-1)
Prep Type: Total/NA
Prep Batch: 17962

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)	<50.3	U F1	1030	630.5	F1	mg/Kg		61	70 - 130
Diesel Range Organics (Over C10-C28)	<50.3	U F1	1020	724.7	F1	mg/Kg		68	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
o-Terphenyl	*70*		*70 - 130*
1-Chlorooctane	*72*		*70 - 130*

Lab Sample ID: 890-6046-1 MSD
Matrix: Solid
Analysis Batch: 17706

Client Sample ID: T-5 (0-1)
Prep Type: Total/NA
Prep Batch: 17962

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)	<50.3	U F1	1030	595.0	F1	mg/Kg		58	70 - 130	6	20
Diesel Range Organics (Over C10-C28)	<50.3	U F1	1020	671.1	F1	mg/Kg		63	70 - 130	8	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
o-Terphenyl	*64*	*S1-*	*70 - 130*
1-Chlorooctane	*66*	*S1-*	*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-71957/1-A
Matrix: Solid
Analysis Batch: 72174

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			02/03/24 12:55	1

Lab Sample ID: LCS 880-71957/2-A
Matrix: Solid
Analysis Batch: 72174

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride			250	240.7		mg/Kg		96	90 - 110

QC Sample Results

Client: Carmona Resources
Project/Site: NDB LANDFILL CTP

Job ID: 890-6046-1
SDG: Lea County New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCSD 880-71957/3-A
Matrix: Solid
Analysis Batch: 72174

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	244.5		mg/Kg		98	90 - 110	2	20

Lab Sample ID: 890-6046-1 MS
Matrix: Solid
Analysis Batch: 72174

Client Sample ID: T-5 (0-1)
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	1260		1250	2505		mg/Kg		100	90 - 110

Lab Sample ID: 890-6046-1 MSD
Matrix: Solid
Analysis Batch: 72174

Client Sample ID: T-5 (0-1)
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	1260		1250	2508		mg/Kg		100	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: NDB LANDFILL CTP

Job ID: 890-6046-1
SDG: Lea County New Mexico

GC VOA

Prep Batch: 72184

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6046-9	T-4 (2.5)	Total/NA	Solid	5035	
890-6046-10	T-4 (3)	Total/NA	Solid	5035	
MB 880-72184/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-72184/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-72184/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-38450-A-1-E MS	Matrix Spike	Total/NA	Solid	5035	
880-38450-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 72185

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-72185/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 72364

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6046-1	T-5 (0-1)	Total/NA	Solid	5035	
890-6046-2	T-5 (1.5)	Total/NA	Solid	5035	
890-6046-3	T-5 (2)	Total/NA	Solid	5035	
890-6046-4	T-5 (2.5)	Total/NA	Solid	5035	
890-6046-5	T-5 (3)	Total/NA	Solid	5035	
890-6046-6	T-4 (0-1)	Total/NA	Solid	5035	
890-6046-7	T-4 (1.5)	Total/NA	Solid	5035	
890-6046-8	T-4 (2)	Total/NA	Solid	5035	
MB 880-72364/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-72364/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-72364/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-6046-1 MS	T-5 (0-1)	Total/NA	Solid	5035	
890-6046-1 MSD	T-5 (0-1)	Total/NA	Solid	5035	

Analysis Batch: 72459

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6046-9	T-4 (2.5)	Total/NA	Solid	8021B	72184
890-6046-10	T-4 (3)	Total/NA	Solid	8021B	72184
MB 880-72184/5-A	Method Blank	Total/NA	Solid	8021B	72184
MB 880-72185/5-A	Method Blank	Total/NA	Solid	8021B	72185
LCS 880-72184/1-A	Lab Control Sample	Total/NA	Solid	8021B	72184
LCSD 880-72184/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	72184
880-38450-A-1-E MS	Matrix Spike	Total/NA	Solid	8021B	72184
880-38450-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	72184

Analysis Batch: 72580

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6046-1	T-5 (0-1)	Total/NA	Solid	8021B	72364
890-6046-2	T-5 (1.5)	Total/NA	Solid	8021B	72364
890-6046-3	T-5 (2)	Total/NA	Solid	8021B	72364
890-6046-4	T-5 (2.5)	Total/NA	Solid	8021B	72364
890-6046-5	T-5 (3)	Total/NA	Solid	8021B	72364
890-6046-6	T-4 (0-1)	Total/NA	Solid	8021B	72364
890-6046-7	T-4 (1.5)	Total/NA	Solid	8021B	72364
890-6046-8	T-4 (2)	Total/NA	Solid	8021B	72364
MB 880-72364/5-A	Method Blank	Total/NA	Solid	8021B	72364
LCS 880-72364/1-A	Lab Control Sample	Total/NA	Solid	8021B	72364

QC Association Summary

Client: Carmona Resources
Project/Site: NDB LANDFILL CTP

Job ID: 890-6046-1
SDG: Lea County New Mexico

GC VOA (Continued)

Analysis Batch: 72580 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-72364/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	72364
890-6046-1 MS	T-5 (0-1)	Total/NA	Solid	8021B	72364
890-6046-1 MSD	T-5 (0-1)	Total/NA	Solid	8021B	72364

Analysis Batch: 72688

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6046-1	T-5 (0-1)	Total/NA	Solid	Total BTEX	
890-6046-2	T-5 (1.5)	Total/NA	Solid	Total BTEX	
890-6046-3	T-5 (2)	Total/NA	Solid	Total BTEX	
890-6046-4	T-5 (2.5)	Total/NA	Solid	Total BTEX	
890-6046-5	T-5 (3)	Total/NA	Solid	Total BTEX	
890-6046-6	T-4 (0-1)	Total/NA	Solid	Total BTEX	
890-6046-7	T-4 (1.5)	Total/NA	Solid	Total BTEX	
890-6046-8	T-4 (2)	Total/NA	Solid	Total BTEX	
890-6046-9	T-4 (2.5)	Total/NA	Solid	Total BTEX	
890-6046-10	T-4 (3)	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 17706

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6046-1	T-5 (0-1)	Total/NA	Solid	8015B NM	17962
890-6046-2	T-5 (1.5)	Total/NA	Solid	8015B NM	17962
890-6046-3	T-5 (2)	Total/NA	Solid	8015B NM	17962
890-6046-7	T-4 (1.5)	Total/NA	Solid	8015B NM	17962
890-6046-8	T-4 (2)	Total/NA	Solid	8015B NM	17962
MB 870-17962/3-A	Method Blank	Total/NA	Solid	8015B NM	17962
LCS 870-17962/1-A	Lab Control Sample	Total/NA	Solid	8015B NM	17962
LCSD 870-17962/2-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	17962
890-6046-1 MS	T-5 (0-1)	Total/NA	Solid	8015B NM	17962
890-6046-1 MSD	T-5 (0-1)	Total/NA	Solid	8015B NM	17962

Prep Batch: 17962

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6046-1	T-5 (0-1)	Total/NA	Solid	8015NM Prep	
890-6046-2	T-5 (1.5)	Total/NA	Solid	8015NM Prep	
890-6046-3	T-5 (2)	Total/NA	Solid	8015NM Prep	
890-6046-4	T-5 (2.5)	Total/NA	Solid	8015NM Prep	
890-6046-5	T-5 (3)	Total/NA	Solid	8015NM Prep	
890-6046-6	T-4 (0-1)	Total/NA	Solid	8015NM Prep	
890-6046-7	T-4 (1.5)	Total/NA	Solid	8015NM Prep	
890-6046-8	T-4 (2)	Total/NA	Solid	8015NM Prep	
890-6046-9	T-4 (2.5)	Total/NA	Solid	8015NM Prep	
890-6046-10	T-4 (3)	Total/NA	Solid	8015NM Prep	
MB 870-17962/3-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 870-17962/1-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 870-17962/2-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-6046-1 MS	T-5 (0-1)	Total/NA	Solid	8015NM Prep	
890-6046-1 MSD	T-5 (0-1)	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Carmona Resources
Project/Site: NDB LANDFILL CTP

Job ID: 890-6046-1
SDG: Lea County New Mexico

GC Semi VOA

Analysis Batch: 17988

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6046-4	T-5 (2.5)	Total/NA	Solid	8015B NM	17962
890-6046-5	T-5 (3)	Total/NA	Solid	8015B NM	17962
890-6046-6	T-4 (0-1)	Total/NA	Solid	8015B NM	17962
890-6046-9	T-4 (2.5)	Total/NA	Solid	8015B NM	17962
890-6046-10	T-4 (3)	Total/NA	Solid	8015B NM	17962

Analysis Batch: 17990

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6046-1	T-5 (0-1)	Total/NA	Solid	8015 NM	
890-6046-2	T-5 (1.5)	Total/NA	Solid	8015 NM	
890-6046-3	T-5 (2)	Total/NA	Solid	8015 NM	
890-6046-4	T-5 (2.5)	Total/NA	Solid	8015 NM	
890-6046-5	T-5 (3)	Total/NA	Solid	8015 NM	
890-6046-6	T-4 (0-1)	Total/NA	Solid	8015 NM	
890-6046-7	T-4 (1.5)	Total/NA	Solid	8015 NM	
890-6046-8	T-4 (2)	Total/NA	Solid	8015 NM	
890-6046-9	T-4 (2.5)	Total/NA	Solid	8015 NM	
890-6046-10	T-4 (3)	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 71957

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6046-1	T-5 (0-1)	Soluble	Solid	DI Leach	
890-6046-2	T-5 (1.5)	Soluble	Solid	DI Leach	
890-6046-3	T-5 (2)	Soluble	Solid	DI Leach	
890-6046-4	T-5 (2.5)	Soluble	Solid	DI Leach	
890-6046-5	T-5 (3)	Soluble	Solid	DI Leach	
890-6046-6	T-4 (0-1)	Soluble	Solid	DI Leach	
890-6046-7	T-4 (1.5)	Soluble	Solid	DI Leach	
890-6046-8	T-4 (2)	Soluble	Solid	DI Leach	
890-6046-9	T-4 (2.5)	Soluble	Solid	DI Leach	
890-6046-10	T-4 (3)	Soluble	Solid	DI Leach	
MB 880-71957/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-71957/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-71957/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-6046-1 MS	T-5 (0-1)	Soluble	Solid	DI Leach	
890-6046-1 MSD	T-5 (0-1)	Soluble	Solid	DI Leach	

Analysis Batch: 72174

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6046-1	T-5 (0-1)	Soluble	Solid	300.0	71957
890-6046-2	T-5 (1.5)	Soluble	Solid	300.0	71957
890-6046-3	T-5 (2)	Soluble	Solid	300.0	71957
890-6046-4	T-5 (2.5)	Soluble	Solid	300.0	71957
890-6046-5	T-5 (3)	Soluble	Solid	300.0	71957
890-6046-6	T-4 (0-1)	Soluble	Solid	300.0	71957
890-6046-7	T-4 (1.5)	Soluble	Solid	300.0	71957
890-6046-8	T-4 (2)	Soluble	Solid	300.0	71957
890-6046-9	T-4 (2.5)	Soluble	Solid	300.0	71957
890-6046-10	T-4 (3)	Soluble	Solid	300.0	71957

QC Association Summary

Client: Carmona Resources
Project/Site: NDB LANDFILL CTP

Job ID: 890-6046-1
SDG: Lea County New Mexico

HPLC/IC (Continued)

Analysis Batch: 72174 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-71957/1-A	Method Blank	Soluble	Solid	300.0	71957
LCS 880-71957/2-A	Lab Control Sample	Soluble	Solid	300.0	71957
LCSD 880-71957/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	71957
890-6046-1 MS	T-5 (0-1)	Soluble	Solid	300.0	71957
890-6046-1 MSD	T-5 (0-1)	Soluble	Solid	300.0	71957

Lab Chronicle

Client: Carmona Resources
Project/Site: NDB LANDFILL CTP

Job ID: 890-6046-1
SDG: Lea County New Mexico

Client Sample ID: T-5 (0-1)
Date Collected: 01/25/24 00:00
Date Received: 01/26/24 16:14

Lab Sample ID: 890-6046-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	72364	02/05/24 11:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72580	02/07/24 23:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			72688	02/07/24 23:13	SM	EET MID
Total/NA	Analysis	8015 NM		1			17990	02/04/24 13:31	CC	EET DAL
Total/NA	Prep	8015NM Prep			9.95 g	10 mL	17962	01/30/24 14:56	WP	EET DAL
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	17706	02/04/24 13:31	WP	EET DAL
Soluble	Leach	DI Leach			4.99 g	50 mL	71957	01/30/24 14:22	SMC	EET MID
Soluble	Analysis	300.0		5			72174	02/03/24 14:18	CH	EET MID

Client Sample ID: T-5 (1.5)
Date Collected: 01/25/24 00:00
Date Received: 01/26/24 16:14

Lab Sample ID: 890-6046-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	72364	02/05/24 11:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72580	02/07/24 23:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			72688	02/07/24 23:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			17990	02/04/24 14:34	CC	EET DAL
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	17962	01/30/24 14:56	WP	EET DAL
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	17706	02/04/24 14:34	WP	EET DAL
Soluble	Leach	DI Leach			4.95 g	50 mL	71957	01/30/24 14:22	SMC	EET MID
Soluble	Analysis	300.0		1			72174	02/03/24 14:33	CH	EET MID

Client Sample ID: T-5 (2)
Date Collected: 01/25/24 00:00
Date Received: 01/26/24 16:14

Lab Sample ID: 890-6046-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	72364	02/05/24 11:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72580	02/08/24 00:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			72688	02/08/24 00:05	SM	EET MID
Total/NA	Analysis	8015 NM		1			17990	02/04/24 14:55	CC	EET DAL
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	17962	01/30/24 14:56	WP	EET DAL
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	17706	02/04/24 14:55	WP	EET DAL
Soluble	Leach	DI Leach			4.96 g	50 mL	71957	01/30/24 14:22	SMC	EET MID
Soluble	Analysis	300.0		1			72174	02/03/24 14:38	CH	EET MID

Client Sample ID: T-5 (2.5)
Date Collected: 01/25/24 00:00
Date Received: 01/26/24 16:14

Lab Sample ID: 890-6046-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	72364	02/05/24 11:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72580	02/08/24 00:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			72688	02/08/24 00:31	SM	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: NDB LANDFILL CTP

Job ID: 890-6046-1
SDG: Lea County New Mexico

Client Sample ID: T-5 (2.5)
Date Collected: 01/25/24 00:00
Date Received: 01/26/24 16:14

Lab Sample ID: 890-6046-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			17990	02/13/24 09:34	CC	EET DAL
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	17962	01/30/24 14:56	WP	EET DAL
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	17988	02/13/24 09:34	WP	EET DAL
Soluble	Leach	DI Leach			4.98 g	50 mL	71957	01/30/24 14:22	SMC	EET MID
Soluble	Analysis	300.0		1			72174	02/03/24 14:53	CH	EET MID

Client Sample ID: T-5 (3)
Date Collected: 01/25/24 00:00
Date Received: 01/26/24 16:14

Lab Sample ID: 890-6046-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	72364	02/05/24 11:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72580	02/08/24 00:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			72688	02/08/24 00:57	SM	EET MID
Total/NA	Analysis	8015 NM		1			17990	02/13/24 10:39	CC	EET DAL
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	17962	01/30/24 14:56	WP	EET DAL
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	17988	02/13/24 10:39	WP	EET DAL
Soluble	Leach	DI Leach			4.96 g	50 mL	71957	01/30/24 14:22	SMC	EET MID
Soluble	Analysis	300.0		1			72174	02/03/24 14:58	CH	EET MID

Client Sample ID: T-4 (0-1)
Date Collected: 01/25/24 00:00
Date Received: 01/26/24 16:14

Lab Sample ID: 890-6046-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	72364	02/07/24 11:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72580	02/08/24 01:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			72688	02/08/24 01:22	SM	EET MID
Total/NA	Analysis	8015 NM		1			17990	02/13/24 10:59	CC	EET DAL
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	17962	01/30/24 14:56	WP	EET DAL
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	17988	02/13/24 10:59	WP	EET DAL
Soluble	Leach	DI Leach			4.97 g	50 mL	71957	01/30/24 14:22	SMC	EET MID
Soluble	Analysis	300.0		5			72174	02/03/24 15:03	CH	EET MID

Client Sample ID: T-4 (1.5)
Date Collected: 01/25/24 00:00
Date Received: 01/26/24 16:14

Lab Sample ID: 890-6046-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	72364	02/07/24 11:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72580	02/08/24 01:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			72688	02/08/24 01:48	SM	EET MID
Total/NA	Analysis	8015 NM		1			17990	02/04/24 16:20	CC	EET DAL
Total/NA	Prep	8015NM Prep			9.97 g	10 mL	17962	01/30/24 14:56	WP	EET DAL
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	17706	02/04/24 16:20	WP	EET DAL

Lab Chronicle

Client: Carmona Resources
Project/Site: NDB LANDFILL CTP

Job ID: 890-6046-1
SDG: Lea County New Mexico

Client Sample ID: T-4 (1.5)
Date Collected: 01/25/24 00:00
Date Received: 01/26/24 16:14

Lab Sample ID: 890-6046-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.00 g	50 mL	71957	01/30/24 14:22	SMC	EET MID
Soluble	Analysis	300.0		5			72174	02/03/24 15:08	CH	EET MID

Client Sample ID: T-4 (2)
Date Collected: 01/25/24 00:00
Date Received: 01/26/24 16:14

Lab Sample ID: 890-6046-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	72364	02/07/24 11:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72580	02/08/24 02:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			72688	02/08/24 02:14	SM	EET MID
Total/NA	Analysis	8015 NM		1			17990	02/04/24 16:41	CC	EET DAL
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	17962	01/30/24 14:56	WP	EET DAL
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	17706	02/04/24 16:41	WP	EET DAL
Soluble	Leach	DI Leach			5.01 g	50 mL	71957	01/30/24 14:22	SMC	EET MID
Soluble	Analysis	300.0		5			72174	02/03/24 15:13	CH	EET MID

Client Sample ID: T-4 (2.5)
Date Collected: 01/25/24 00:00
Date Received: 01/26/24 16:14

Lab Sample ID: 890-6046-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	72184	02/01/24 17:03	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72459	02/07/24 18:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			72688	02/07/24 18:56	SM	EET MID
Total/NA	Analysis	8015 NM		1			17990	02/13/24 11:41	CC	EET DAL
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	17962	01/30/24 14:56	WP	EET DAL
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	17988	02/13/24 11:41	WP	EET DAL
Soluble	Leach	DI Leach			4.98 g	50 mL	71957	01/30/24 14:22	SMC	EET MID
Soluble	Analysis	300.0		1			72174	02/03/24 15:17	CH	EET MID

Client Sample ID: T-4 (3)
Date Collected: 01/25/24 00:00
Date Received: 01/26/24 16:14

Lab Sample ID: 890-6046-10
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	72184	02/01/24 17:03	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72459	02/07/24 19:21	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			72688	02/07/24 19:21	SM	EET MID
Total/NA	Analysis	8015 NM		1			17990	02/13/24 12:02	CC	EET DAL
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	17962	01/30/24 14:56	WP	EET DAL
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	17988	02/13/24 12:02	WP	EET DAL
Soluble	Leach	DI Leach			4.95 g	50 mL	71957	01/30/24 14:22	SMC	EET MID
Soluble	Analysis	300.0		1			72174	02/03/24 15:22	CH	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: NDB LANDFILL CTP

Job ID: 890-6046-1
SDG: Lea County New Mexico

Laboratory References:

EET DAL = Eurofins Dallas, 9701 Harry Hines Blvd, Dallas, TX 75220, TEL (214)902-0300

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

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: NDB LANDFILL CTP

Job ID: 890-6046-1
SDG: Lea County New Mexico

Laboratory: Eurofins Dallas

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704295-23-34	06-30-24

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-23-26	06-30-24

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
300.0		Solid	Chloride
8021B	5035	Solid	Benzene
8021B	5035	Solid	Ethylbenzene
8021B	5035	Solid	m-Xylene & p-Xylene
8021B	5035	Solid	o-Xylene
8021B	5035	Solid	Toluene
8021B	5035	Solid	Xylenes, Total
Total BTEX		Solid	Total BTEX

Method Summary

Client: Carmona Resources
Project/Site: NDB LANDFILL CTP

Job ID: 890-6046-1
SDG: Lea County New Mexico

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

Protocol References:

ASTM = ASTM International
EPA = US Environmental Protection Agency
SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.
TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

EET DAL = Eurofins Dallas, 9701 Harry Hines Blvd, Dallas, TX 75220, TEL (214)902-0300
EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: Carmona Resources
Project/Site: NDB LANDFILL CTP

Job ID: 890-6046-1
SDG: Lea County New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
890-6046-1	T-5 (0-1)	Solid	01/25/24 00:00	01/26/24 16:14
890-6046-2	T-5 (1.5)	Solid	01/25/24 00:00	01/26/24 16:14
890-6046-3	T-5 (2)	Solid	01/25/24 00:00	01/26/24 16:14
890-6046-4	T-5 (2.5)	Solid	01/25/24 00:00	01/26/24 16:14
890-6046-5	T-5 (3)	Solid	01/25/24 00:00	01/26/24 16:14
890-6046-6	T-4 (0-1)	Solid	01/25/24 00:00	01/26/24 16:14
890-6046-7	T-4 (1.5)	Solid	01/25/24 00:00	01/26/24 16:14
890-6046-8	T-4 (2)	Solid	01/25/24 00:00	01/26/24 16:14
890-6046-9	T-4 (2.5)	Solid	01/25/24 00:00	01/26/24 16:14
890-6046-10	T-4 (3)	Solid	01/25/24 00:00	01/26/24 16:14

Chain of Custody

Work Order No: _____

6046

Project Manager:	Connor Moehring	Bill to: (if different)	Joseph Vargo
Company Name:	Carmona Resources	Company Name:	NGL Water Solutions Permian
Address:	310 W Wall St Ste 500	Address:	865 N. Albino Street, Suite 400
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Denver, CO 80220
Phone:	(432) 813-6823	Email:	Joseph.Vargo@nglep.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

Reporting: Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	NDB Landfill CTP	Turn Around	
Project Number:	2207	☑ Routine ☐ Rush	
Project Location	Lea County, New Mexico	Due Date:	
Sampler's Name:	MM		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	(Yes) No	Wet Ice:	Yes No
Received Intact:	(Yes) No	Thermometer ID:	TM007
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	-2.6
Total Containers:		Corrected Temperature:	-2.4

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2SO_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	Parameters: BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	Sample Comments
T-3 (0-1')	1/25/2024		X		G	1		x	x	x	
T-3 (1.5')	1/25/2024		X		G	1		x	x	x	
T-3 (2')	1/25/2024		X		G	1		x	x	x	
T-3 (2.5')	1/25/2024		X		G	1		x	x	x	
T-3 (3')	1/25/2024		X		G	1		x	x	x	
T-4 (0-1')	1/25/2024		X		G	1		x	x	x	
T-4 (1.5')	1/25/2024		X		G	1		x	x	x	
T-4 (2')	1/25/2024		X		G	1		x	x	x	
T-4 (2.5')	1/25/2024		X		G	1		x	x	x	
T-4 (3')	1/25/2024		X		G	1		x	x	x	

Comments: Email to Mike Carmona / Mcarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	1126	B Burns 11/26/24	1614

Eurofins Midland
1211 W. Florida Ave
Midland, TX 79701
Phone: 432-704-5440

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Kramer, Jessica	Carrier Tracking No(s):	COC No: 880-9089.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Jessica.Kramer@et.eurofinsus.com	State of Origin: New Mexico	Page: Page 1 of 2
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP - Texas		Job #: 890-6046-1
Address: 9701 Harry Hines Blvd, ,	Due Date Requested: 2/1/2024			
City: Dallas	TAT Requested (days):			
State, Zip: TX, 75220				
Phone: 214-902-0300(Tel)	PO #:			
Email:	WO #:			
Project Name: NDB LANDFILL CTP	Project #: 89000090			
Site:	SSOW#:			

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify)

Other:

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8015MOD_NM/8015NM_S_Prep	8015MOD_Calc	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
T-3 (0-1) (890-6046-1)	1/25/24	Mountain		Solid			X	X	1	
T-3 (1.5) (890-6046-2)	1/25/24	Mountain		Solid			X	X	1	
T-3 (2) (890-6046-3)	1/25/24	Mountain		Solid			X	X	1	
T-3 (2.5) (890-6046-4)	1/25/24	Mountain		Solid			X	X	1	
T-3 (3) (890-6046-5)	1/25/24	Mountain		Solid			X	X	1	
T-4 (0-1) (890-6046-6)	1/25/24	Mountain		Solid			X	X	1	
T-4 (1.5) (890-6046-7)	1/25/24	Mountain		Solid			X	X	1	
T-4 (2) (890-6046-8)	1/25/24	Mountain		Solid			X	X	1	
T-4 (2.5) (890-6046-9)	1/25/24	Mountain		Solid			X	X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

Possible Hazard Identification *Unconfirmed*	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*** ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by: FedEx	Date/Time:	Company
Relinquished by: FedEx	Date/Time: 2/2/24 932	Company	Received by:	Date/Time: 2/2/24 932	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ∆ Yes ∆ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 06/08/2021

Eurofins Midland
1211 W. Florida Ave
Midland, TX 79701
Phone: 432-704-5440

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Kramer, Jessica	Carrier Tracking No(s):	COC No: 880-9089.2
Client Contact: Shipping/Receiving	Phone:	E-Mail: Jessica.Kramer@et.eurofinsus.com	State of Origin: New Mexico	Page: Page 2 of 2
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP - Texas		Job #: 890-6046-1
Address: 9701 Harry Hines Blvd, ,	Due Date Requested: 2/1/2024			
City: Dallas	TAT Requested (days):			
State, Zip: TX, 75220				
Phone: 214-902-0300(Tel)	PO #:			
Email:	WO #:			
Project Name: NDB LANDFILL CTP	Project #: 89000090			
Site:	SSOW#:			

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify)

Other:

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8015MOD_NM/8015NM_S_Prep	8015MOD_Calc	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
T-4 (3) (890-6046-10)	1/25/24	Mountain		Solid			X	X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

Possible Hazard Identification *Unconfirmed*	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*** ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by: FedEx	Date/Time:	Company
Relinquished by: FedEx	Date/Time: 2/2/24 932	Company	Received by:	Date/Time: 2/2/24 932	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 890-6046-1
SDG Number: Lea County New Mexico

Login Number: 6046
List Number: 1
Creator: Lopez, Abraham

List Source: Eurofins Carlsbad

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

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 890-6046-1
SDG Number: Lea County New Mexico

Login Number: 6046
List Number: 3
Creator: Dabinett, Ian

List Source: Eurofins Dallas
List Creation: 02/02/24 12:43 PM

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

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 890-6046-1
SDG Number: Lea County New Mexico

Login Number: 6046
List Number: 2
Creator: Rodriguez, Leticia

List Source: Eurofins Midland
List Creation: 01/30/24 10:34 AM

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

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

QUESTIONS

Action 318999

QUESTIONS

Operator: NGL WATER SOLUTIONS PERMIAN, LLC 865 North Albion Street Denver, CO 80220	OGRID: 372338
	Action Number: 318999
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2333234964**
Incident Name	**NAPP2333234964 NDB LANDFILL CTP @ 0**
Incident Type	**Produced Water Release**
Incident Status	**Remediation Closure Report Received**

Location of Release Source	
Please answer all the questions in this group.	
Site Name	NDB LANDFILL CTP
Date Release Discovered	11/25/2023
Surface Owner	Private

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

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	*Not answered.*
Produced Water Released (bbls) Details	Cause: Equipment Failure | Gasket | Produced Water | Released: 30 BBL | Recovered: 20 BBL | Lost: 10 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	*Not answered.*
Natural Gas Vented (Mcf) Details	*Not answered.*
Natural Gas Flared (Mcf) Details	*Not answered.*
Other Released Details	*Not answered.*
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	*Not answered.*

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QUESTIONS (continued)

Operator: NGL WATER SOLUTIONS PERMIAN, LLC 865 North Albion Street Denver, CO 80220	OGRID: 372338
	Action Number: 318999
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

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 safety hazard that would result in injury.	
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	*Not answered.*
Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.	

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

I hereby agree and sign off to the above statement	Name: Joseph Vargo Title: Regulatory manager Email: joseph.vargo@nglep.com Date: 02/29/2024

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QUESTIONS (continued)

Operator: NGL WATER SOLUTIONS PERMIAN, LLC 865 North Albion Street Denver, CO 80220	OGRID: 372338
	Action Number: 318999
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Site Characterization	
Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Greater than 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between ½ and 1 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	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	Greater than 5 (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	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
Requesting a remediation plan approval with this submission	Yes
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	5030
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	51.4
GRO+DRO (EPA SW-846 Method 8015M)	51.4
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
On what estimated date will the remediation commence	01/25/2024
On what date will (or did) the final sampling or liner inspection occur	01/25/2024
On what date will (or was) the remediation complete(d)	01/25/2024
What is the estimated surface area (in square feet) that will be reclaimed	0
What is the estimated volume (in cubic yards) that will be reclaimed	0
What is the estimated surface area (in square feet) that will be remediated	0
What is the estimated volume (in cubic yards) that will be remediated	0
These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.	
The OCD recognizes that proposed remediation measures may have to be minimally 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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QUESTIONS (continued)

Operator: NGL WATER SOLUTIONS PERMIAN, LLC 865 North Albion Street Denver, CO 80220	OGRID: 372338
	Action Number: 318999
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

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.)	No
(Ex Situ) Excavation and **on-site** remediation (i.e. On-Site Land Farms)	No
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No
Ground Water Abatement pursuant to 19.15.30 NMAC	No
OTHER (Non-listed remedial process)	Yes
Other Non-listed Remedial Process. Please specify	Remedation not needed due to soil sampling and depth to water
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

I hereby agree and sign off to the above statement	Name: Joseph Vargo Title: Regulatory manager Email: joseph.vargo@nglep.com Date: 02/29/2024

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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QUESTIONS (continued)

Operator: NGL WATER SOLUTIONS PERMIAN, LLC 865 North Albion Street Denver, CO 80220	OGRID: 372338
	Action Number: 318999
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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QUESTIONS (continued)

Operator: NGL WATER SOLUTIONS PERMIAN, LLC 865 North Albion Street Denver, CO 80220	OGRID: 372338
	Action Number: 318999
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	*{Unavailable.}*

Remediation Closure Request	
Only answer the questions in this group if seeking remediation closure for this release because all remediation 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	0
What was the total volume (cubic yards) remediated	0
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	0
What was the total volume (in cubic yards) reclaimed	0
Summarize any additional remediation activities not included by answers (above)	None needed due to depth of water and soil sampling

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

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

I hereby agree and sign off to the above statement	Name: Joseph Vargo Title: Regulatory manager Email: joseph.vargo@nglep.com Date: 02/29/2024

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS (continued)

Operator: NGL WATER SOLUTIONS PERMIAN, LLC 865 North Albion Street Denver, CO 80220	OGRID: 372338
	Action Number: 318999
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	No

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CONDITIONS

Action 318999

CONDITIONS

Operator:	OGRID:
NGL WATER SOLUTIONS PERMIAN, LLC 865 North Albion Street Denver, CO 80220	372338
	Action Number: 318999
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
scott.rodgers	Remediation has met 19.15.29 NMAC requirements. Soil impacts exceeding the reclamation standards have been left in place and are required to meet 19.15.29.13D (1) NMAC once the site is no longer reasonably needed for production or subsequent drilling operations.	5/30/2024
scott.rodgers	The reclamation report will need to include: Executive Summary of the reclamation activities; Scaled Site Map including sampling locations; Analytical results including, but not limited to, results showing that any remaining impacts meet the reclamation standards and results to prove the backfill is non-waste containing; At least one (1) representative 5-point composite sample will need to be collected from the backfill material that will be used for the reclamation of the top four feet of the excavation. OCD reserves the right to request additional sampling if needed; pictures of the backfilled areas showing that the area is back, as nearly as practical, to the original condition or the final land use and maintain those areas to control dust and minimize erosion to the extent practical; pictures of the top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater; and a revegetation plan.	5/30/2024