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REMEDIATION PLAN

Water Disposal Flowline Release
Incident #nAPP2322554757
Eddy County, New Mexico
Unit A, Section 10, Township 17 South, Range 30 East
GPS Coordinates: 32.85551, -103.95222

Prepared For

MR NM Operating, LLC
Dallas, Texas

Prepared By

CDH Consulting, LLC
Thornton, Colorado

August 6, 2025

Shelly Wells
Environmental Specialist
Advanced Environmental Bureau
EMNRD – Oil Conservation Division
1220 S. St. Francis Drive
Santa Fe, New Mexico 87505

RE: Remediation Plan
Water Disposal Flowline Release
Incident #nAPP2322554757
Eddy County, New Mexico
Unit A, Section 10, Township 17 South, Range 30 East
GPS Coordinates: 32.85551, -103.95222

Shelly Wells,

CDH Consulting, LLC (CDH) on behalf of MR NM Operating, LLC (MR NM) presents this Remediation Closure Report for the above referenced location to the New Mexico Oil Conservation Division (OCD).

SITE INFORMATION

The Water Disposal Flowline Release (Site) occurred approximately 26 miles east of Artesia, New Mexico and 11 miles west of Maljamar, New Mexico (Figure 1). The legal location description is Unit Letter A, Section 10, Township 17 South, Range 30 East in Eddy County, New Mexico.

On July 31, 2023, the release was discovered exiting a polyethylene water disposal line by Cypress Natural Resources (CNR, parent company of MR NM) personnel at approximately 3:30 pm. The line was shut-in by 4:00 pm and repaired that evening. During repairs, a drag mark on the polyethylene line was determined to be the source of the release, likely damaged during line installation. Approximately 20 feet of polyethylene line was removed and replaced with new poly line. On July 31, 2023, a vacuum truck removed approximately 25 barrels of produced water from the ground surface. MR NM used the time calculated between the notification of the release, when the line was last driven, and the estimated rate through the flowline from CNR facilities to estimate the volume released (approximately 150 barrels). Recovered volumes were reported by the quantity removed by the vacuum truck. On August 15, 2023, a Form C-141 was submitted to the OCD detailing the initial response to the release. The initial C-141 is included in Attachment A.

During emergency response activities, produced water reached an open excavation adjacent to the pumpjack for the Federal R #002 (API #30-015-04170) operated by LLJ Ventures, LLC DBA Marker Oil & Gas in the downgradient direction relative to the release. Produced water was recovered from the open excavation via hydro excavation.

GROUNDWATER & SITE RANKING

There are no significant watercourses or other sensitive areas within specified distances of the release as defined by 19.15.29.12.C.(4) or within a ½- mile of the site. The New Mexico Office of the State Engineer (OSE) lists point of diversion (POD) RA-13319-POD1 located approximately 812 feet northeast of the release (Figure 1). The soil boring log for RA-13319-POD1 indicates the soil boring was advanced to 101 feet below ground surface (bgs) and was documented to be a "dry hole".

As depth-to-groundwater near the release has been documented to be greater than 100 feet bgs, the closure criteria for soil deeper than 4 feet bgs is summarized below per 19.15.29.12 NMAC:

- Chloride - 20,000 milligrams per kilogram (mg/kg)
- Total petroleum hydrocarbons (TPH) including gasoline range organics (GRO), diesel range organics (DRO), and motor oil/lube organics (MRO) - 2,500 mg/kg
- GRO and DRO - 1,000 mg/kg
- Benzene, toluene, ethylbenzene, total xylenes (BTEX) - 50 mg/kg
- Benzene - 10 mg/kg

The top 4 feet of soil will be horizontally delineated to the reclamation standard summarized below per 19.15.29.12 NMAC and the top 4 feet of soil will be reclaimed to the criteria listed below per NMAC 19.15.29.13.D.(1).

- Chloride - 600 mg/kg
- TPH - 100 mg/kg
- BTEX - 50 mg/kg
- Benzene - 10 mg/kg

SITE CHARACTERIZATION

On October 10, 2023, CDH personnel were onsite to visually inspect the impacted area and collect a soil sample from the release point. Soil was observed to be a red, gravelly, fine sandy loam. CDH personnel collected SS04@0.5 from the release point to determine if the soil was impacted and analyzed for chloride per United States Environmental Protection Agency (EPA) Method 300.0, TPH (GRO+DRO+MRO) per EPA Method 8015, and BTEX per EPA Method 8021B. The release location and soil sample location are presented on Figure 2.

Laboratory analytical results were compared to the above-mentioned OCD criteria for the top 4 feet of soil. Analytical results indicate that TPH, benzene, and BTEX were below laboratory reporting limits in SS04@0.5. Chloride exceeded the OCD reclamation standard for the top 4 feet of soil (600 mg/kg) in SS04 with a concentration of 12,200 mg/kg per NMAC 19.15.29.13.D.(1). Laboratory analytical results are summarized in Table 1.

On April 18, 2024, CDH personnel were onsite to horizontally and vertically delineate chloride impacts. Soil samples were collected by stepping out approximately 20 feet in each cardinal direction relative to the release point (SS04). The soil samples were collected at 0.5 feet bgs to be field screened for chloride utilizing Hach Chloride QuanTab® Test Strips. If field screening indicated chloride concentrations were in-compliance with the OCD reclamation standard for the top 4 feet of soil (600 mg/kg), soil samples were collected at that location from depths of 0.5 feet, 2 feet, and 4 feet bgs to be submitted for laboratory analysis of chloride.

Field screening at soil sample locations SS01 (46 mg/kg), SS02 (50 mg/kg), and SS03 (504 mg/kg) indicated chloride concentrations were potentially in compliance with the OCD reclamation standard for the top 4 feet of soil (600 mg/kg); therefore, soil samples were collected at depths of 0.5 feet, 2 feet, and 4 feet at these locations (Figure 2). Field screening indicated elevated chloride concentrations 20 feet west (1,560 mg/kg), 40 feet west (1,680 mg/kg), and 60 feet west (1,560 mg/kg) of the release point (SS04). Field screening 80 feet west of the release point (SS04) indicated chloride was potentially in-compliance with the OCD reclamation standard for the top 4 feet of soil (600 mg/kg) with an estimated chloride concentration of 211 mg/kg. Soil samples were collected at soil sample location SS05 from depths of 0.5 feet, 2 feet, and 4 feet bgs. To vertically delineate elevated chloride identified in SS04@0.5, soil samples were collected at SS04@2.0 and SS04@4.0. Background soil samples were collected from BG01 (Figure 3) from depths of 0.5 feet, 2 feet, and 4 feet bgs. Soil samples were placed in laboratory-supplied 4-ounce glass jars, labeled, stored in a cooler on ice, and hand-delivered via standard chain-of-custody protocol to Envirotech of Farmington, New Mexico, for analysis of chloride per EPA Method 300.0. Laboratory analytical results are summarized in Table 1.

Laboratory analytical results indicated:

- SS01@0.5 (489 mg/kg) and SS02@0.5 (<20.0 mg/kg) were below the OCD reclamation standard for the top 4 feet of soil (600 mg/kg), successfully delineating horizontal chloride impacts to the north and east;
- Soil sample SS04@4.0 was in-compliance with the OCD Table I Closure Criteria (20,000 mg/kg) with a concentration of 13,900 mg/kg, successfully delineating vertical chloride impacts;
- Soil at sample location SS03 slightly exceeded the OCD reclamation standard for the top 4 feet of soil (600 mg/kg) at 0.5 feet (1,480 mg/kg), 2 feet (873 mg/kg), and 4 feet (719 mg/kg);
- Soil at sample location SS05 slightly exceeded the OCD reclamation standard for the top 4 feet of soil (600 mg/kg) at 0.5 feet (660 mg/kg), 2 feet (835 mg/kg), and 4 feet (856 mg/kg); and
- Background soil samples at BG01 were below the laboratory reporting limits at all depths.

On September 5, 2024, CDH personnel were onsite to collect soil samples from the area located between the MR NM produced water flowline release and the open excavation adjacent to the Federal R #002 (API #30-015-04170) operated by LLJ Ventures, LLC DBA Marker Oil & Gas. Soil samples were collected from SS06, SS07, and SS08 (Figure 2) to gather information to differentiate impacted soil associated with the MR NM flowline release and the Federal R #002 open excavation.

Laboratory analytical results at SS06 indicated chloride (695 mg/kg) exceeded the reclamation standard (600 mg/kg) at 6 inches bgs but was in-compliance with the remediation standard at 4 feet bgs (147 mg/kg). TPH, GRO, DRO, oil range organics (ORO), BTEX, and benzene were all below the laboratory reporting limits at SS06. At SS07, located 17 feet closer to the Federal R #002 open excavation, chloride (3,050 mg/kg) and TPH (2,070 mg/kg) at 6 inches bgs increased significantly. SS07 was in-compliance with the reclamation standard at 4 feet bgs for chloride (176 mg/kg) and TPH, GRO, DRO, ORO, BTEX, and benzene were all below the laboratory reporting limits. At SS08 chloride was in-compliance with the reclamation standard at 1-foot bgs (75.5 mg/kg) and 4 feet bgs (543 mg/kg) but exceeded the reclamation standard for TPH (100 mg/kg) due to elevated DRO (531 mg/kg). TPH (at 4 feet bgs), GRO, DRO, ORO, BTEX, and benzene were all below the laboratory reporting limits at SS08.

Remediation Activities

On October 2, 2024, CDH and the OCD developed a clear and reasonable path forward regarding the LLJ Ventures, LLC DBA Marker Oil & Gas Federal R #002 wellhead release open excavation via Microsoft Teams. It was agreed that MR NM will remove 6 inches (approximately 2 cubic yards) in the vicinity of SS07 (Figure 2). No confirmation soil samples were to be collected from this area. MR NM agreed to collect confirmation soil samples for all OCD Table 1 Soil Standard constituents within the primary excavation area; however, should TPH or BTEX be encountered, MR NM would cease excavation in the applicable direction as this would indicate Federal R #002 wellhead release impacts were encountered. MR NM agreed to import topsoil to backfill the area located off-pad and off-road area (Figure 2). MR NM agreed to import non-waste containing, uncontaminated, earthen material with chloride concentrations less than 600 mg/kg in accordance with 19.15.29.13.D.(1) NMAC as backfill material for on-pad and on-road areas.

The top 6 inches was scraped from the area located adjacent to sidewall SW04 (Figure 4). No confirmation soil samples were collected from this area. Per the OCD-approved Site Characterization & Remediation Plan, chloride impacted soil was excavated to 4 feet bgs to remove chloride impacted soil exceeding the OCD reclamation standard for the top 4 feet of soil (600 mg/kg). To confirm chloride impacted soil was successfully removed from the excavation and to complete horizontal delineation, one 5-point composite confirmation sample was collected for every 200 square feet of sidewall and one 5-point composite confirmation sample was collected from the floor of the excavation for every 400 square feet to be submitted for laboratory analysis. The confirmation samples were placed into laboratory-supplied 4-ounce glass jars, sealed headspace free, labeled, stored in a cooler on ice, and submitted to Eurofins of Carlsbad, New Mexico, under standard chain-of-custody protocol for laboratory analysis of benzene, toluene, ethylbenzene, and total xylenes (BTEX) per Environmental Protection Agency (EPA) Method 8021B, total petroleum hydrocarbons (TPH) per EPA Method 8015, and chloride per EPA Method 300.0.

Field screening indicated that chloride was elevated on the southwestern, northern, and southern sidewalls; therefore, the excavation was extended horizontally in those directions to remove the additional chloride impacted soil. The total volume of chloride impacted soil removed from the excavation was 988 cubic yards. Impacted soil was transported to R360 (fEEM0112340644) for offsite disposal. Figure 4 presents the final excavation extent and waste manifests are summarized in Attachment B.

All final confirmation soil samples collected from the sidewalls (SW01 through SW06) that extended from the ground surface to 4 feet bgs were in compliance with the OCD reclamation standard for the top 4 feet of soil (600 mg/kg). All final confirmation soil samples collected from the floor of the excavation at 4 feet bgs were in compliance with the OCD Table I Closure Criteria (20,000 mg/kg). Therefore, the excavation was backfilled with non-waste containing, uncontaminated, earthen material with chloride concentrations less than 600 mg/kg in accordance with 19.15.29.13.D.(1) NMAC as backfill material for on-pad and on-road areas. Topsoil was backfilled to 1-foot bgs in the area located off-pad and off-road. The BLM #2 seed mix for sandy sites was broadcast seeded within the off-pad and off-road area (Figure 4). Photographic documentation of the observed depth of topsoil (Photo 7), the seed mix used (Figure 8), and the area post backfill/seeding (Figures 9 and 10) is included in Attachment C. Laboratory analytical reports are included in Attachment D and summarized on Table 2.

On February 11, 2025, the OCD rejected the Remediation Closure Report (Application ID #427416) submitted on February 3, 2025, for the following reasons:

- "Remediation closure denied for the following: Referring to Figure 4, the size of the excavation is ~8000 ft2. Referring to your answers in the C-141 application to the question "What was the total surface area (in square feet) remediated," you answered "6,220". Based on the remediation plan approved on 10/11/24, base samples were to be collected every 400 square feet which would equal 16 floor samples if the total surface area is 6,220 square feet. An insufficient number of floor samples was collected from the base of the excavation."
- "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. The 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."
    - "Of the requirements above, a backfill sample is missing. Mr NM Operating needs to collect a five-point composite backfill sample and submit with updated report."
- "Resubmit updated remediation closure or reclamation report to the OCD by 3/13/25."

CDH's Senior GIS Specialist confirmed the excavation extent documented via ArcGIS and presented on Figure 4 represents a 5,538.76 square-foot area which confirmed the required amount of confirmation samples (5,538.76 square feet / 400 square feet = 13.8 confirmation samples) were collected from the excavation floor to address the first rejection item above.

On February 18, 2025, CDH emailed the OCD (Attachment A) regarding the first rejection item above to understand their methodology for calculating the area presented on Figure 4. On February 19th, the OCD called CDH via phone to share their methodology and provided approval of the number of floor samples collected based on the area documented using ArcGIS.

To address the second rejection item above, on February 12, 2025, CDH proposed the collection of one backfill composite soil sample from the material used to backfill the area located off-pad/off-road. The proposed sample consisted of two aliquots collected from the topsoil interval (0-1-foot bgs) and two aliquots collected from the backfill material (1-4 feet bgs). On February 14, 2025, the OCD agreed to this approach via email (Attachment A).

On February 22, 2025, composite sample Backfill was collected via hand auger from the area located off-pad/off-road using a handheld GPS unit to confirm the collection location. The composite backfill sample was placed into laboratory-supplied 4-ounce glass jars, sealed headspace free, labeled, stored in a cooler on ice, and submitted to Eurofins of Carlsbad, New Mexico, under standard chain-of-custody protocol for laboratory analysis of BTEX per EPA Method 8021B, TPH per EPA Method 8015, and chloride per EPA Method 300.0. Laboratory analytical results indicated the soil sample was below the laboratory reporting limits for benzene, BTEX, and TPH; however, chloride (1,200 mg/kg) exceeded the Reclamation Standard (600 mg/kg).

On March 4, 2025, CDH personnel returned to the site to further investigate the chloride exceedance. Composite sample Topsoil was collected from within the topsoil interval (0–1-foot bgs) at a depth of 3-9 inches bgs and composite sample Backfill was collected from within the backfill material (1-4 feet bgs) at a depth of 2.5-3.0 feet bgs. Both of these composite samples were placed into laboratory-supplied 4-ounce glass jars, sealed headspace free, labeled, stored in a cooler on ice, and submitted to Eurofins of Carlsbad, New Mexico, under standard chain-of-custody protocol for laboratory analysis of BTEX per EPA Method 8021B, TPH per EPA Method 8015, and chloride per EPA Method 300.0. Laboratory analytical results indicated both soil samples were below the laboratory reporting limits for benzene, BTEX, and TPH. The chloride concentration was below the Reclamation Standard (600 mg/kg) in both the Topsoil (127mg/kg) and Backfill (160 mg/kg) composite samples.

On April 14, 2025, CDH emailed the OCD (Attachment A) regarding the rejection to change analytes to Chloride only. On April 15, 2025, the OCD replied to CDH via email approving the request for Chloride only analytes, with the stipulation of collecting 12 evenly spaced sample points and collecting a discrete sample every foot to a depth of 4 feet bgs in the area marked by ArcGIS.

On April 16, 2025, CDH personnel returned to the site to further investigate the area in question. 48 discrete samples were collected from 12 separate points within the area with intervals of 0.25-0.75 inch bgs, 1.25-1.75 feet bgs, 2.25-2.75 feet bgs and 3.25-3.75 feet bgs via hand auger as requested by the OCD. All 48 samples were placed into laboratory-supplied 4-oz glass jars, sealed headspace free, labeled, stored in a cooler on ice, and submitted to Eurofins of Carlsbad, New Mexico, under standard chain-of-custody protocol for laboratory analysis of chloride per EPA Method 300.0. Laboratory analytical results indicated that 8 of the 48 samples exceeded Reclamation standards for chloride concentrations between 3 sample areas. Laboratory analytical results indicated soil sample BF09 exceeded Reclamation standards at 0.25-0.75 feet bgs (1,410 mg/kg), 1.25-1.75 feet bgs (3,260 mg/kg), 2.25-2.75 feet bgs (2,380 mg/kg) and 3.25-3.75 feet bgs (5,410 mg/kg). Laboratory analytical results indicated soil sample BF10 exceeded

Reclamation standards at 0.25-0.75 feet bgs (1,230 mg/kg), 2.25-2.75 feet bgs (2,890 mg/kg) and 3.25-3.75 feet bgs (5,640 mg/kg). Laboratory analytical results indicated soil sample BF11 exceeded Reclamation standards at 0.25-0.75 ft bgs (635 mg/kg).

On July 16, 2025, CDH personnel returned to the site with MR NM excavation contractors to excavate the chloride-impacted backfill material. Following excavation, five-point composite samples were collected from the base of the excavation representing no more than 200 square feet and sidewall composite samples were collected representing no more than 200 square feet to ensure all contaminated backfill was removed. The MR NM excavation contractor imported and stockpiled new backfill and topsoil onsite. Five-point composite samples were also collected from the new backfill and topsoil. All samples were placed into laboratory-supplied 4-oz glass jars, sealed headspace free, labeled, stored in a cooler on ice, and submitted to Eurofins of Carlsbad, New Mexico, under standard chain-of-custody protocol. The excavation floor and sidewall samples were submitted for laboratory analysis of chloride per EPA Method 300.0 and the backfill and topsoil samples were submitted for BTEX per EPA Method 8021B, TPH per EPA Method 8015, and chloride per EPA Method 300.0. Laboratory analytical results indicated that excavation sidewall samples BFN and BFS exceeded Reclamation standards for chloride at 1,110 mg/kg and 808 mg/kg, respectively.

On July 22, 2025, CDH personnel returned to the site with MR NM excavation contractors to further excavate the chloride-impacted backfill material in the vicinity of sidewall samples BFN and BFS. Approximately 1 foot of additional material was excavated laterally and approximately 0.5 feet of additional material was excavated vertically on the north and south sidewalls. New five-point composite sidewall samples were collected and were placed into laboratory-supplied 4-oz glass jars, sealed headspace free, labeled, stored in a cooler on ice, and submitted to Eurofins of Carlsbad, New Mexico, under standard chain-of-custody protocol for laboratory analysis of chloride per EPA Method 300.0. Laboratory analytical results indicated the new BFN and BFS sidewall samples were in compliance with Reclamation standards for chloride.

All final soil samples collected from the sidewalls and floor were below the OCD Reclamation Standard. Figure 6 presents soil sample locations for the April and July sampling events and the final excavation extent that was required to remove all chloride-impacted backfill above the OCD Reclamation Standard.

The excavation was backfilled with non-waste containing, uncontaminated, earthen material in accordance with 19.15.29.13.D.(1) NMAC.

REMEDIATION CLOSURE REQUEST

As MR NM has removed chloride-impacted soil per the OCD-approved Site Characterization & Remediation Plan and in accordance with 19.15.29 NMAC, CDH on behalf of MR NM, respectfully requests the OCD reassign Remediation Closure to Incident #nAPP2322554757.

Please do not hesitate to contact Devin Girtin at (303) 895-7556 or dgirtin@cdhconsult.com if you have any questions or require additional information.

Kind Regards,

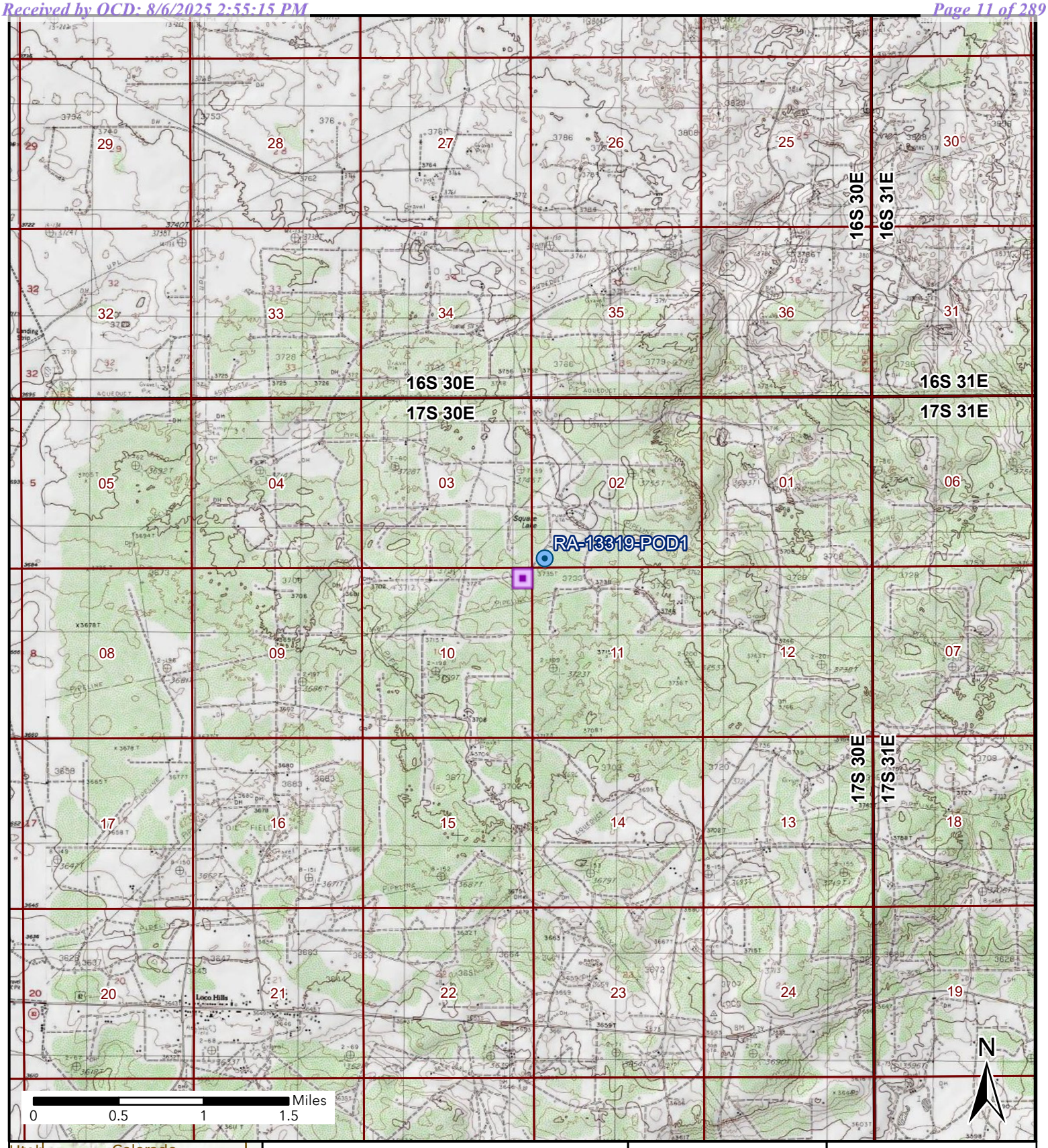
CDH CONSULTING, LLC

Devin Girtin, P.G., PMP
Program Manager

Attachments:

Figures
Table
Attachment A – OCD Correspondence
Attachment B – Waste Manifests Summary
Attachment C – Photographic Logs
Attachment D – Laboratory Analytical Reports

FIGURES



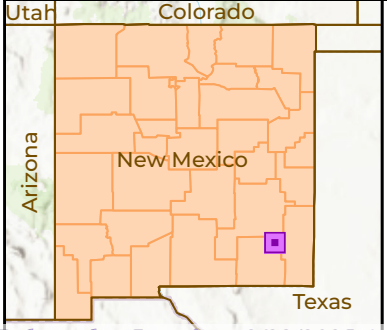


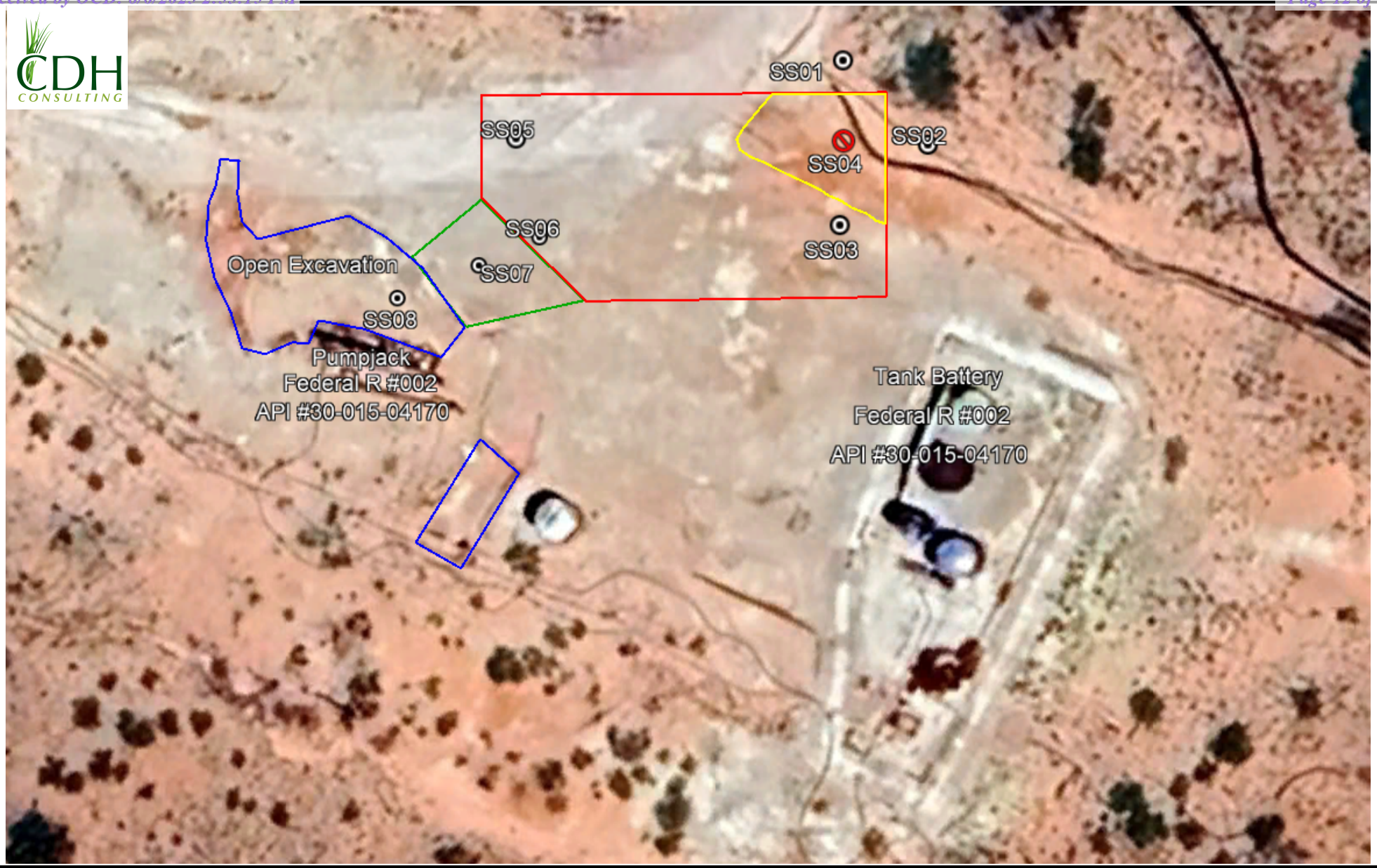
Figure 1
Site Location

Water Disposal Flowline Release

NENE-SEC 10-T17S-R30E Eddy County, New Mexico
MR NM Operating, LLC

Site Location
Point of Diversion

CDH CONSULTING



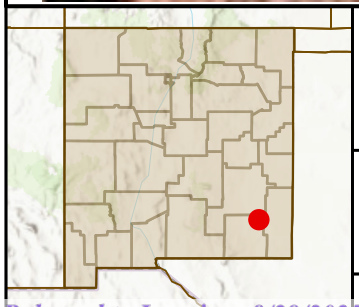


Figure 2 - Soil Sample Location

Water Disposal Flowline Release

Planned Excavation
Open Excavation
Backfill with Topsoil
Scrape Top 6 inches
Release Point
Soil Sample Location

Site location: T17S R30E Sec 10, Eddy County, New Mexico

Map Created: 6/12/2024

N

Feet

0 40

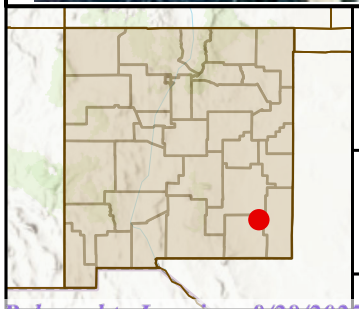


Figure 3 - Site Map

Water Disposal Flowline Release

Estimated Excavation Extent

Soil Sample Location

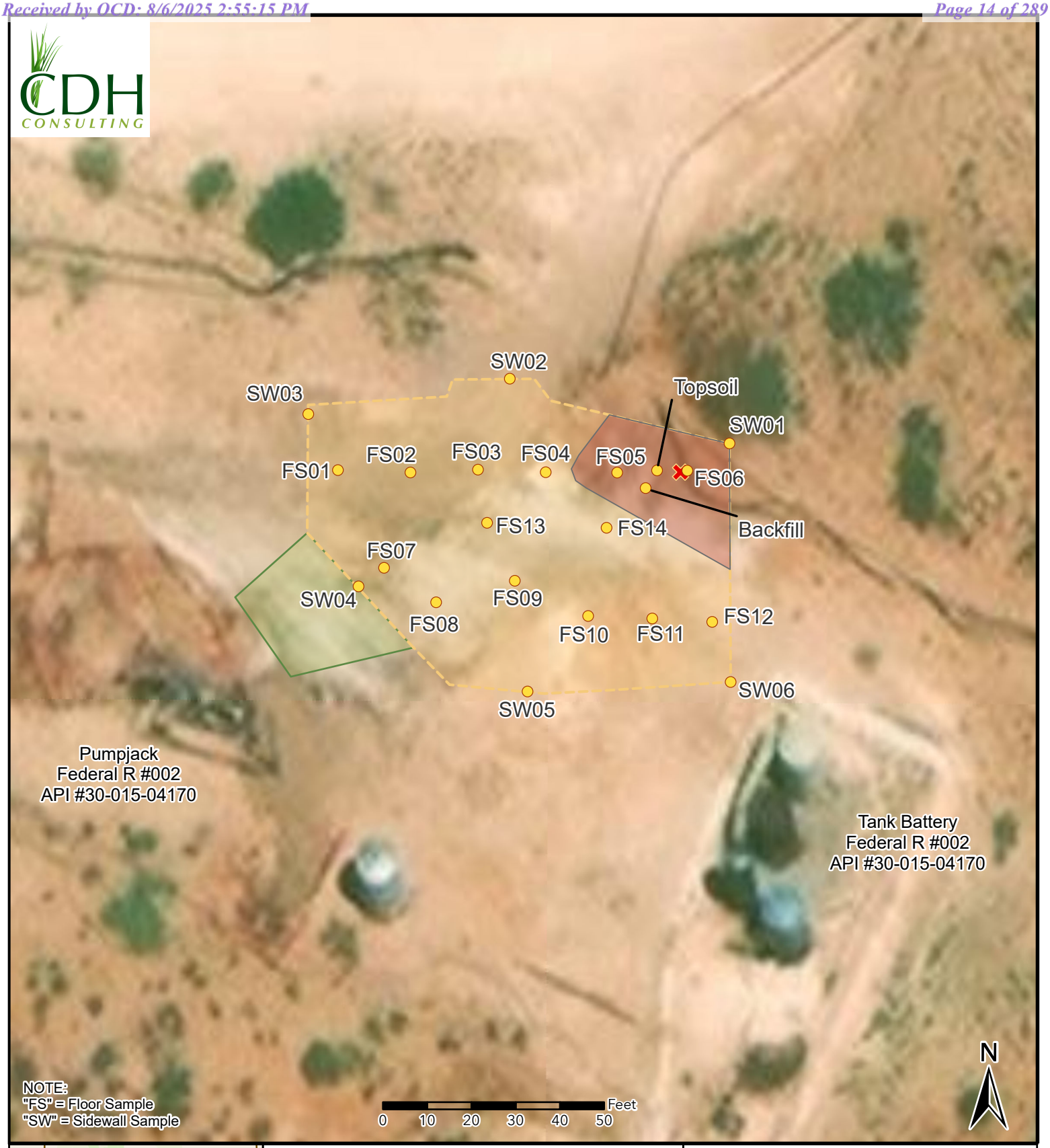
Release Point

Site location: T17S R30E Sec 10, Eddy County, New Mexico

Map Created: 6/12/2024

Scale:
1:72

Feet
0 25 50 75 100 125



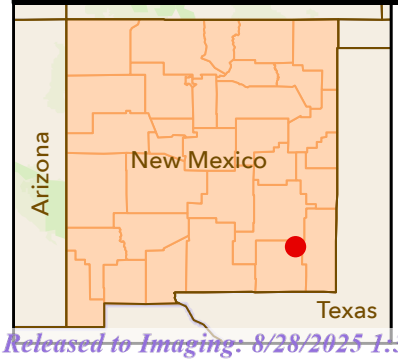
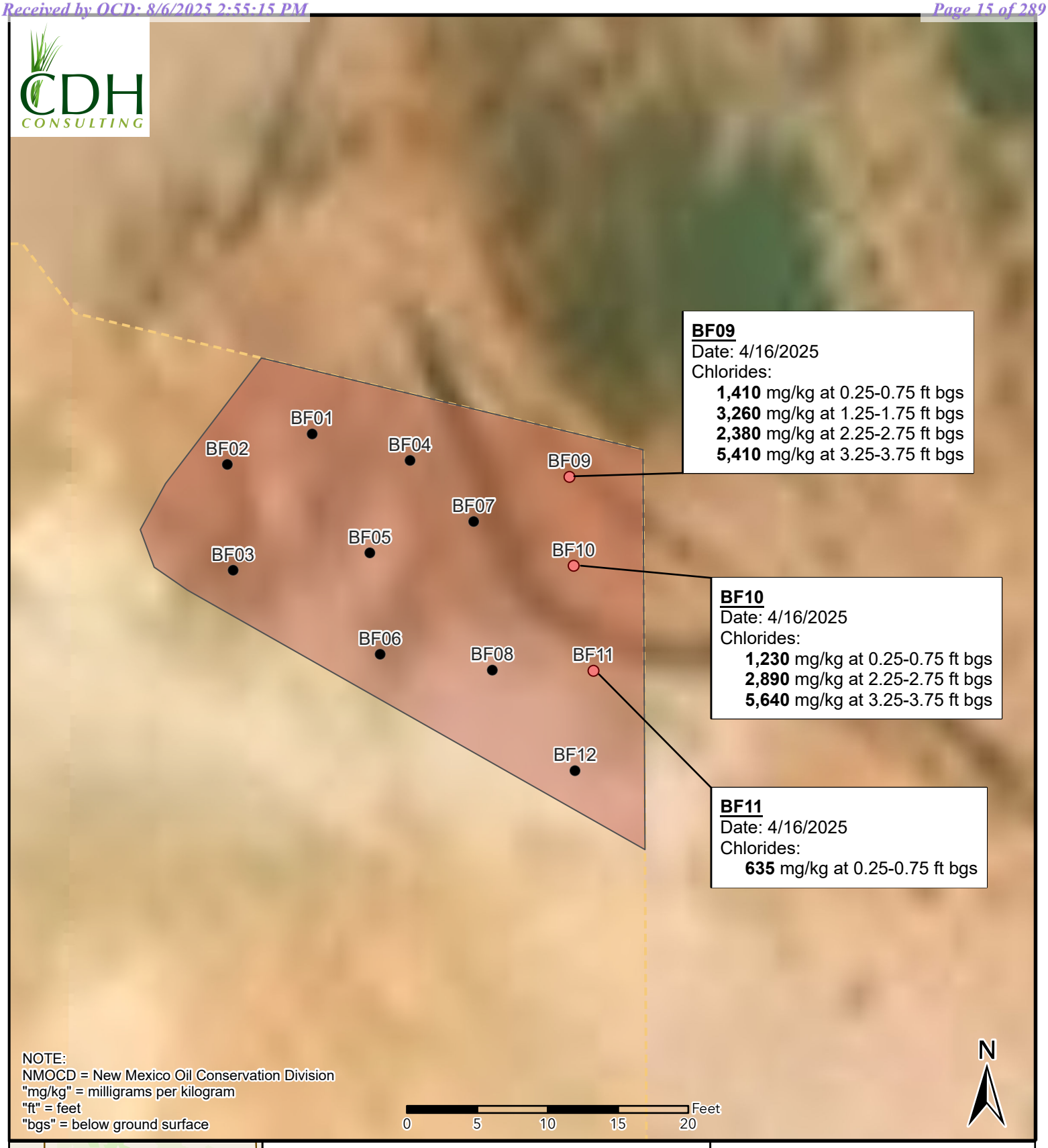


Figure 4
Soil Sample Location Map
Water Disposal Flowline Release

NENE-SEC 10-T17S-R30E
Eddy County, New Mexico
MR NM Operating, LLC

- Release Point
- Soil Sample Location
- Excavation Extent
- Top 6-inches scraped
- Top 1 foot backfilled with topsoil



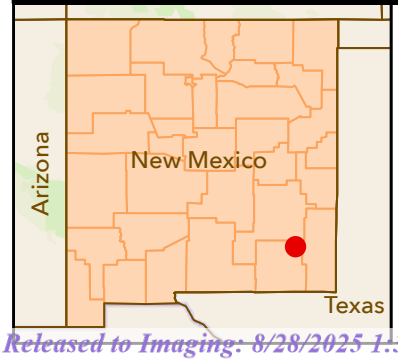


Figure 5 - Backfill Assessment Exceedances

Westall

NENE-SEC-10-T17S-R30E
Eddy County, New Mexico
MR NM Operating, LLC

Exceed Standard and Background
Below Standard
Existing Excavation
Backfill

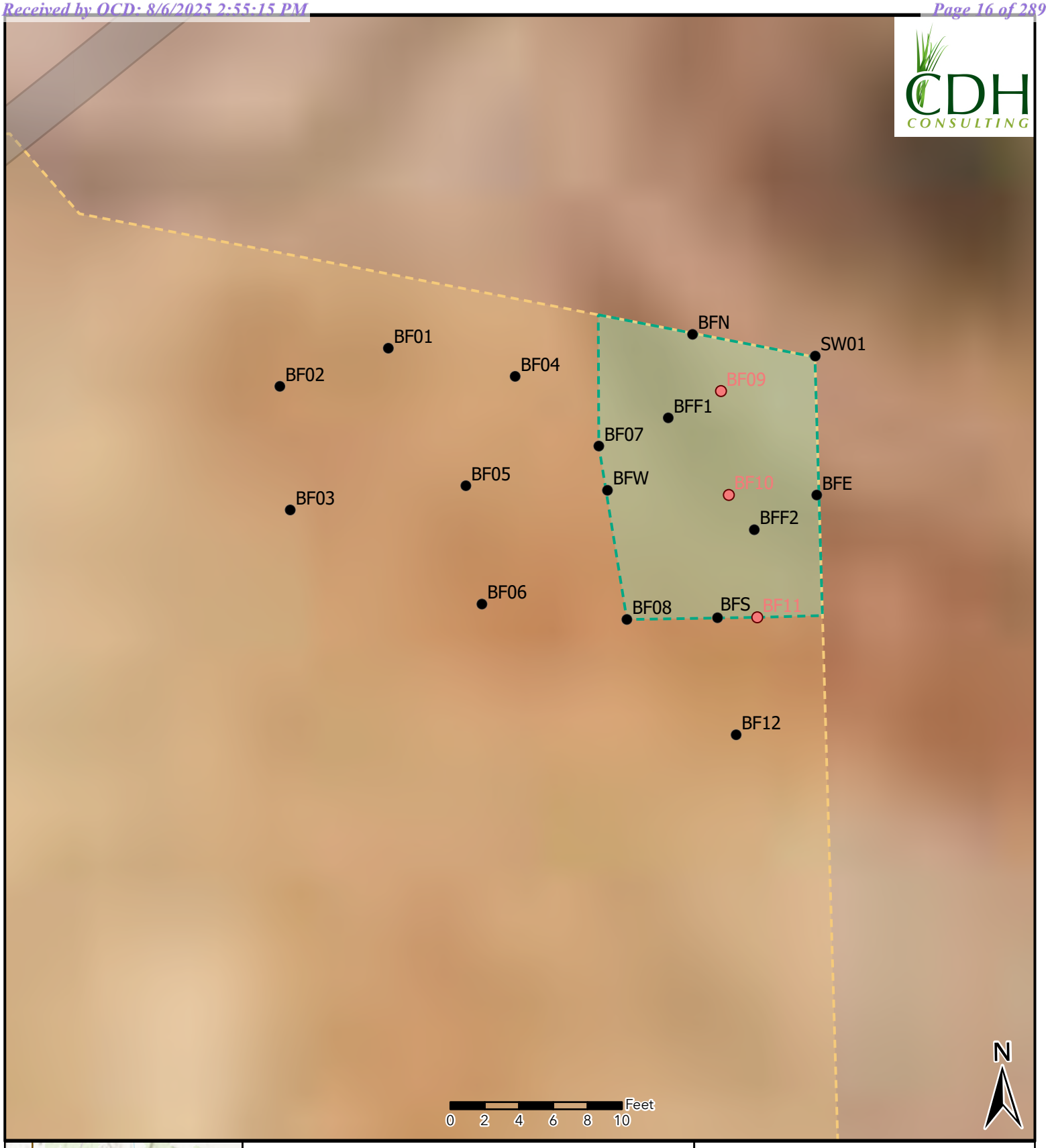


Figure 6
Backfill Removal Confirmation Sampling

Westall

NENE-SEC 10-T17S-R30E
Eddy County, New Mexico
MR NM Operating, LLC

- Exceed Standard and Background
- Below Standard
- Previous Excavation
- Backfill Exceedance Excavation

TABLES

TABLE 1
SOIL ANALYTICAL RESULTS
WESTALL LINE RELEASE
INCIDENT #nAPP2322554757
EDDY COUNTY, NEW MEXICO
MR NM OPPERATING, LLC

Sample ID	Date Sampled	Depth (ft bgs)	Chlorides (mg/kg)	TPH[2] mg/kg	GRO (mg/kg)	DRO (mg/kg)	ORO (mg/kg)	BTEX (mg/kg)	Benzene (mg/kg)
NMOCD Table I Soil Standard (mg/kg)[1]		0-4	600	100	NA	NA	NA	50	10
NMOCD Table I Soil Standard (mg/kg)[2]		>4	20,000	2,500	NA	NA	1,000	50	10
BG01@0.5	4/18/2024	0.5	<20.0	--	--	--	--	--	--
BG01@2.0	4/18/2024	2.0	<20.0	--	--	--	--	--	--
BG01@4.0	4/18/2024	4.0	<20.0	--	--	--	--	--	--
SS01@0.5	4/18/2024	0.5	489	--	--	--	--	--	--
SS02@0.5	4/18/2024	0.5	<20.0	--	--	--	--	--	--
SS03@0.5	4/18/2024	0.5	**1,480**	--	--	--	--	--	--
SS03@2.0	4/18/2024	2.0	**873**	--	--	--	--	--	--
SS03@4.0	4/18/2024	4.0	**719**	--	--	--	--	--	--
SS04@0.5	10/10/2023	0.5	**12,200**	<49.9	<49.9	<49.9	<49.9	<0.00396	<0.00198
SS04@2.0	4/18/2024	2.0	**10,900**	--	--	--	--	--	--
SS04@4.0	4/18/2024	4.0	**13,900**	--	--	--	--	--	--
SS05@0.5	4/18/2024	0.5	**660**	--	--	--	--	--	--
SS05@2.0	4/18/2024	2.0	**835**	--	--	--	--	--	--
SS05@4.0	4/18/2024	4.0	**856**	--	--	--	--	--	--
SS06@0.5	9/5/2024	0.5	**695**	<95.0	<20.0	<25.0	<50.0	<0.1000	<0.0250
SS06@4.0	9/5/2024	4.0	147	<95.0	<20.0	<25.0	<50.0	<0.1000	<0.0250
SS07@0.5	9/5/2024	0.5	**3,050**	**2,070**	<20.0	1,020	1,050	<0.1000	<0.0250
SS07@4.0	9/5/2024	4.0	176	<95.0	<20.0	<25.0	<50.0	<0.1000	<0.0250
SS08@1.0	9/5/2024	1.0	75.5	**531**	<20.0	531	<50.0	<0.1000	<0.0250
SS08@4.0	9/5/2024	4.0	543	<95.0	<20.0	<25.0	<50.0	<0.1000	<0.0250

Notes:

Soil sample location SS04 represents soil from the source of the release

1. Standards for soil are taken from 19.15.29.12(C)(4) NMAC, Table I, Depth to ground water 0-50 ft
2. TPH - Total volatile and extractable hydrocarbons. Value calculated by adding GRO, DRO and ORO concentrations.

Bold = Result above closure criteria
NMOCD = New Mexico Oil Conservation Division
(<) = Analytical result is less than the indicated laboratory reporting limit
GRO = Gasoline range organics
DRO = Diesel range organics
ORO = Oil range organics
BTEX = Total benzene, toluene, ethylbenzene, and total xylenes
mg/kg = Milligrams per kilogram
ft = Feet
bgs = Below ground surface
NA = not applicable

CDH CONSULTING

TABLE 2
SOIL ANALYTICAL RESULTS
WESTALL LINE RELEASE
INCIDENT #nAPP2322554757
EDDY COUNTY, NEW MEXICO
MR NM OPPERATING, LLC

Sample ID	Date Sampled	Depth (ft bgs)	Chlorides (mg/kg)	TPH[3] mg/kg	GRO (mg/kg)	DRO (mg/kg)	ORO (mg/kg)	BTEX (mg/kg)	Benzene (mg/kg)
NMOCD Table I Soil Standard (mg/kg)[1]		0-4	600	100	NA	NA	NA	50	10
SW01	1/3/2025	0-4	261	<49.8	<49.8	<49.8	<49.8	<0.00398	<0.00199
SW02	1/3/2025	0-4	796	<49.8	<49.8	<49.8	<49.8	<0.00402	<0.00201
SW02	1/10/2025	0-4	143	<49.8	<49.8	<49.8	<49.8	<0.00403	<0.00202
SW03	1/3/2025	0-4	208	<49.8	<49.8	<49.8	<49.8	<0.00398	<0.00199
SW04	12/20/2024	0-4	99.2	<50.0	<50.0	<50.0	<50.0	<0.00398	<0.00199
SW05	1/3/2025	0-4	211	<49.9	<49.9	<49.9	<49.9	<0.00402	<0.00201
SW06	1/3/2025	0-4	439	<49.7	<49.7	<49.7	<49.7	<0.00404	<0.00202
Backfill (Topsoil+Backfill)	2/22/2025	0.5-2.0	**1,200**	<50.0	<50.0	<50.0	<50.0	<0.00399	<0.00200
Backfill	3/4/2025	2.5-3.0	160	<50.5	<50.5	<50.5	<50.5	<0.00404	<0.00202
Topsoil	3/4/2025	0.25-0.75	127	<50.1	<50.1	<50.1	<50.1	<0.00399	<0.00200
BF01	4/16/2025	0.25-0.75	125	--	--	--	--	--	--
BF01	4/16/2025	1.25-1.75	110	--	--	--	--	--	--
BF01	4/16/2025	2.25-2.75	104	--	--	--	--	--	--
BF01	4/16/2025	3.25-3.75	121	--	--	--	--	--	--
BF02	4/16/2025	0.25-0.75	129	--	--	--	--	--	--
BF02	4/16/2025	1.25-1.75	119	--	--	--	--	--	--
BF02	4/16/2025	2.25-2.75	108	--	--	--	--	--	--
BF02	4/16/2025	3.25-3.75	147	--	--	--	--	--	--
BF03	4/16/2025	0.25-0.75	210	--	--	--	--	--	--
BF03	4/16/2025	1.25-1.75	121	--	--	--	--	--	--
BF03	4/16/2025	2.25-2.75	158	--	--	--	--	--	--
BF03	4/16/2025	3.25-3.75	332	--	--	--	--	--	--
BF04	4/16/2025	0.25-0.75	144	--	--	--	--	--	--
BF04	4/16/2025	1.25-1.75	187	--	--	--	--	--	--
BF04	4/16/2025	2.25-2.75	128	--	--	--	--	--	--
BF04	4/16/2025	3.25-3.75	142	--	--	--	--	--	--
BF05	4/16/2025	0.25-0.75	129	--	--	--	--	--	--
BF05	4/16/2025	1.25-1.75	273	--	--	--	--	--	--
BF05	4/16/2025	2.25-2.75	157	--	--	--	--	--	--
BF05	4/16/2025	3.25-3.75	152	--	--	--	--	--	--
BF06	4/16/2025	0.25-0.75	98.7	--	--	--	--	--	--
BF06	4/16/2025	1.25-1.75	107	--	--	--	--	--	--
BF06	4/16/2025	2.25-2.75	166	--	--	--	--	--	--
BF06	4/16/2025	3.25-3.75	88.6	--	--	--	--	--	--
BF07	4/16/2025	0.25-0.75	117	--	--	--	--	--	--
BF07	4/16/2025	1.25-1.75	252	--	--	--	--	--	--
BF07	4/16/2025	2.25-2.75	229	--	--	--	--	--	--
BF07	4/16/2025	3.25-3.75	151	--	--	--	--	--	--
BF08	4/16/2025	0.25-0.75	98.8	--	--	--	--	--	--
BF08	4/16/2025	1.25-1.75	230	--	--	--	--	--	--
BF08	4/16/2025	2.25-2.75	245	--	--	--	--	--	--
BF08	4/16/2025	3.25-3.75	259	--	--	--	--	--	--
BF09	4/16/2025	0.25-0.75	**1,410**	--	--	--	--	--	--
BF09	4/16/2025	1.25-1.75	**3,260**	--	--	--	--	--	--
BF09	4/16/2025	2.25-2.75	**2,380**	--	--	--	--	--	--
BF09	4/16/2025	3.25-3.75	**5,410**	--	--	--	--	--	--
BF10	4/16/2025	0.25-0.75	**1,230**	--	--	--	--	--	--
BF10	4/16/2025	1.25-1.75	564	--	--	--	--	--	--
BF10	4/16/2025	2.25-2.75	**2,890**	--	--	--	--	--	--
BF10	4/16/2025	3.25-3.75	**5,640**	--	--	--	--	--	--
BF11	4/16/2025	0.25-0.75	**635**	--	--	--	--	--	--

TABLE 2
SOIL ANALYTICAL RESULTS
WESTALL LINE RELEASE
INCIDENT #nAPP2322554757
EDDY COUNTY, NEW MEXICO
MR NM OPPERATING, LLC

Sample ID	Date Sampled	Depth (ft bgs)	Chlorides (mg/kg)	TPH[3] mg/kg	GRO (mg/kg)	DRO (mg/kg)	ORO (mg/kg)	BTEX (mg/kg)	Benzene (mg/kg)
NMOCD Table I Soil Standard (mg/kg)[1]		0-4	600	100	NA	NA	NA	50	10
BF11	4/16/2025	1.25-1.75	95.9	--	--	--	--	--	--
BF11	4/16/2025	2.25-2.75	121	--	--	--	--	--	--
BF11	4/16/2025	3.25-3.75	278	--	--	--	--	--	--
BF12	4/16/2025	0.25-0.75	150	--	--	--	--	--	--
BF12	4/16/2025	1.25-1.75	90.9	--	--	--	--	--	--
BF12	4/16/2025	2.25-2.75	196	--	--	--	--	--	--
BF12	4/16/2025	3.25-3.75	255	--	--	--	--	--	--
BFN	7/16/2025	0-4	**1,110**	--	--	--	--	--	--
BFE	7/16/2025	0-4	420	--	--	--	--	--	--
BFS	7/16/2025	0-4	**808**	--	--	--	--	--	--
BFW	7/16/2025	0-4	538	--	--	--	--	--	--
BFTS	7/16/2025	*	48.5	<49.6	<49.6	<49.6	<49.6	<0.00398	<0.00199
BFC	7/16/2025	**	68.8	<49.6	<50.0	<50.0	<50.0	<0.00399	<0.00200
BFN	7/22/2025	0-4.5	399	--	--	--	--	--	--
BFS	7/22/2025	0-4.5	405	--	--	--	--	--	--
NMOCD Table I Soil Standard (mg/kg)[2]		≥4	20,000	2,500	NA	NA	1,000	50	10
FS01	1/3/2025	4	337	<49.8	<49.8	<49.8	<49.8	<0.00399	<0.00200
FS02	1/3/2025	4	396	<50.0	<50.0	<50.0	<50.0	<0.00402	<0.00201
FS03	1/3/2025	4	1,170	<49.8	<49.8	<49.8	<49.8	<0.00398	<0.00199
FS04	1/3/2025	4	978	<49.8	<49.8	<49.8	<49.8	<0.00402	<0.00201
FS05	1/3/2025	4	2,020	<49.7	<49.7	<49.7	<49.7	<0.00398	<0.00199
FS06	1/3/2025	4	397	<49.7	<49.7	<49.7	<49.7	<0.00402	<0.00201
FS07	1/3/2025	4	235	<49.9	<49.9	<49.9	<49.9	<0.00404	<0.00202
FS08	1/3/2025	4	304	<49.8	<49.8	<49.8	<49.8	<0.00396	<0.00198
FS09	1/3/2025	4	244	<49.8	<49.8	<49.8	<49.8	<0.00398	<0.00199
FS10	1/3/2025	4	243	<49.9	<49.9	<49.9	<49.9	<0.00400	<0.00200
FS11	1/3/2025	4	325	<49.7	<49.7	<49.7	<49.7	<0.00399	<0.00200
FS12	1/3/2025	4	581	<50.0	<50.0	<50.0	<50.0	<0.00402	<0.00201
FS13	1/3/2025	4	1,800	<49.9	<49.9	<49.9	<49.9	<0.00396	<0.00198
FS14	1/3/2025	4	556	<50.3	<50.3	<50.3	<50.3	<0.00398	<0.00199
BFF 1	7/16/2025	4.5	7,930	--	--	--	--	--	--
BFF 2	7/16/2025	4.5	603	--	--	--	--	--	--

Notes:

Soil sample location SS04 represents soil from the source of the release
1. Reclamation standard for the top 4 feet of soil per 19.15.29.13(D)(1) NMAC, Table I, Depth to ground water 0-50 ft
2. Closure criteria for soil deeper than 4 feet per 19.15.29.12(C)(4) NMAC, Table I, Depth to ground water >100 ft
3. TPH - total volatile and extractable hydrocarbons. Value calculated by adding GRO, DRO and MRO concentrations
*Sample was collected from stockpile onsite prior to backfilling. Sample used as excavation backfill from 0-2 feet bgs.
**Sample was collected from stockpile onsite prior to backfilling. Sample used as excavation backfill from 2-4.5 feet bgs.
Yellow highlight = soil represented by soil sample has been excavated and removed for offsite disposal
Gray highlight = soil samples collected at least 50 feet from any previous oil & gas activity to evaluate natural chloride concentrations in the a
Bold = Result above closure criteria
NMOCD = New Mexico Oil Conservation Division
(<) = Analytical result is less than the indicated laboratory reporting limit
GRO = Gasoline range organics
DRO = Diesel range organics
ORO = Oil range organics
BTEX = Total benzene, toluene, ethylbenzene, and total xylenes
mg/kg = Milligrams per kilogram
ft = Feet
bgs = Below ground surface
NA = not applicable

ATTACHMENT A

OCD Correspondence

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

Operator: MR NM Operating LLC 5950 Berkshire Lane Dallas, TX 75225	OGRID: 330506
	Action Number: 251403
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Location of Release Source *Please answer all the questions in this group.*	
Site Name	Water Disposal Flowline Release
Date Release Discovered	07/31/2023
Surface Owner	Federal

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
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: Human Error | Flow Line - Production | Produced Water | Released: 150 BBL | Recovered: 25 BBL | Lost: 125 BBL.
Is the concentration of dissolved chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	*Not answered.*
Natural Gas Vented (Mcf) Details	*Not answered.*
Natural Gas Flared (Mcf) Details	*Not answered.*
Other Released Details	*Not answered.*
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	*Not answered.*

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Santa Fe, NM 87505

QUESTIONS (continued)

Operator: MR NM Operating LLC 5950 Berkshire Lane Dallas, TX 75225	OGRID: 330506
	Action Number: 251403
	Action Type: [NOTIFY] Notification Of Release (NOR)

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 19.15.29.7(A) NMAC	**Yes, major release.**
Reasons why this would be considered a submission for a notification of a major release	• Unauthorized release of a volume, excluding gases, of 25 barrels or more
If YES, was immediate notice given to the OCD, by whom	Katherine Kahn, CDH Consulting, LLC
If YES, was immediate notice given to the OCD, to whom	Mike Bratcher, OCD
If YES, was immediate notice given to the OCD, when	08/01/2023
If YES, was immediate notice given to the OCD, by what means (phone, email, etc.)	phone
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 19.15.29.8 B. (4) 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 19.15.29.11(A)(5)(a) NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.	

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ACKNOWLEDGMENTS

Operator: MR NM Operating LLC 5950 Berkshire Lane Dallas, TX 75225	OGRID: 330506
	Action Number: 251403
	Action Type: [NOTIFY] Notification Of Release (NOR)

ACKNOWLEDGMENTS

☑	I acknowledge that I am authorized to submit notification of a releases on behalf of my operator.
☑	I acknowledge that upon submitting this application, I will be creating a new incident file (assigned to my operator) to track the notification(s) and corrective action(s) for a release, pursuant to NMAC 19.15.29.
☑	I acknowledge that creating a new incident file will require my operator to file subsequent submission(s) of form "C-141, Application for administrative approval of a release notification and corrective action", pursuant to NMAC 19.15.29.
☑	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.
☑	I acknowledge the fact that 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.
☑	I acknowledge the fact that, 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.

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

CONDITIONS

Operator: MR NM Operating LLC 5950 Berkshire Lane Dallas, TX 75225	OGRID: 330506
	Action Number: 251403
	Action Type: [NOTIFY] Notification Of Release (NOR)

CONDITIONS

Created By	Condition	Condition Date
gfast_cdh	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141.	8/13/2023

District I
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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	NAPP2322554757
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party MR NM Operating LLC	OGRID
Contact Name Klint Farrar	Contact Telephone (469) 906-2004
Contact email klint@cypressnr.com	Incident # *(assigned by OCD)*
Contact mailing address 5950 Berkshire Lane Suite 1000 Dallas, TX 75225	

Location of Release Source

Latitude 32.85551 Longitude -103.95222
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Westall Line Release	Site Type Flowline
Date Release Discovered 7/31/23	API# *(if applicable)*

Unit Letter	Section	Township	Range	County
A	10	17S	30E	Eddy

Surface Owner: ☐ State ☒ Federal ☐ Tribal ☐ Private (*Name:* _____)

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) 150 bbls	Volume Recovered (bbls) 25 bbls
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☒ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release

The release was noticed by Cypress personnel around 3:30 pm on 7/31/23 from a poly water disposal line. The line was shut-in by 4 pm and repaired that evening. During repairs, a drag mark on the poly line was determined to be the source of the release, likely damaged during the installation. Twenty feet of poly line was removed and replaced with new poly. A vac truck removed approximately 25 bbls of produced water from the surface on 7/31/23. MR NM calculated the time between notification of the leak and when the line was last driven and calculated the estimated rate through the flowline from CNR facilities. Recovered volumes were reported by the quantity removed by the vac truck.

State of New Mexico
Oil Conservation Division

Incident ID	NAPP2322554757
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? ☒ Yes ☐ No	If YES, for what reason(s) does the responsible party consider this a major release? This incident is an unauthorized release of a volume, excluding gases, of 25 barrels or more.
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? Mike Bratcher at the OCD (575-626-0857) was notified via phone on 8.1.23 by Katherine Kahn (CDH Consulting, LLC). Additionally, this form was emailed to the OCD.Enviro@emnrd.nm.gov. Jose Martinez at the BLM (575-234-5972) was also notified of the spill by phone and email on 8.1.23 by Katherine Kahn since it occurred on federal land.	

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

If all the actions described above have 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: Klint Farrar Title: President

Signature: Date: 8/1/23

email: klint@cypressnr.com Telephone: 469-906-2004

OCD Only

Received by: Shelly Wells Date: 8/15/2023

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

Action 251425

CONDITIONS

Operator: MR NM Operating LLC 5950 Berkshire Lane Dallas, TX 75225	OGRID: 330506
	Action Number: 251425
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
scwells	None	8/15/2023

From: Wells, Shelly, EMNRD
To: Michael Wicker
Cc: Bratcher, Michael, EMNRD
Subject: RE: [EXTERNAL] RE: The Oil Conservation Division (OCD) has approved the application, Application ID: 389865
Date: Monday, January 13, 2025 9:59:50 AM

Hi Michael,

I am happy to hear that the remediation of NAPP2322554757 WATER DISPOSAL FLOWLINE RELEASE is close to being finished. A remediation closure report was due to the OCD by 1/9/25 and as such, your request for an extension is denied. An extension needs to be requested before the 90-day remediation deadline has expired. Include this e-mail correspondence in the remediation and/or closure report.

Sincerely,

Shelly

Shelly Wells * Environmental Specialist-Advanced
Environmental Bureau
EMNRD-Oil Conservation Division
1220 S. St. Francis Drive|Santa Fe, NM 87505
(505)469-7520 Shelly.Wells@emnrd.nm.gov
http://www.emnrd.state.nm.us/OCD/

From: Michael Wicker <mwicker@cdhconsult.com>
Sent: Monday, January 13, 2025 9:40 AM
To: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Subject: [EXTERNAL] RE: The Oil Conservation Division (OCD) has approved the application, Application ID: 389865

Hi Shelly,

Hope you had a great weekend!

We have completed delineation/remediation at the water disposal flowline release (nAPP2322554757), with the exception of one sidewall sample that required further soil removal to address a minor chloride exceedance. The confirmation soil sample was recollected/submitted

Friday for 24-hour TAT (results expected by EOD today).

Closure Report Due Date Extension

We request the Remediation Closure Report due date be extended to February 15, 2025, to draft the Remediation Closure Report/figures and to allow time in case the final confirmation sample exceeds, and further excavation is required. We anticipate the Remediation Closure Report will be submitted well before February 15th but have selected this due date to avoid future extension requests should the site require further excavation.

We are so close, thanks again for your guidance with this one!

Thank you,
Michael

Michael A. Wicker, P.G.
Senior Geologist
CDH Consulting, LLC
616.970.8459

From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Sent: Tuesday, October 15, 2024 10:28 AM
To: Michael Wicker <mwicker@cdhconsult.com>
Subject: RE: [EXTERNAL] RE: The Oil Conservation Division (OCD) has approved the application, Application ID: 389865

You're welcome Michael.

Shelly Wells * Environmental Specialist-Advanced
Environmental Bureau
EMNRD-Oil Conservation Division
1220 S. St. Francis Drive|Santa Fe, NM 87505
(505)469-7520|Shelly.Wells@emnrd.nm.gov
http://www.emnrd.state.nm.us/OCD/

From: Michael Wicker <mwicker@cdhconsult.com>
Sent: Monday, October 14, 2024 6:51 AM
To: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Cc: ocdonline, emnrd, EMNRD <emnrd.ocdonline@emnrd.nm.gov>
Subject: [EXTERNAL] RE: The Oil Conservation Division (OCD) has approved the application, Application ID: 389865

Thank you for the quick turnaround, hope you have a great weekend!

Michael A. Wicker, P.G.
Senior Geologist
CDH Consulting, LLC
616.970.8459

From: OCDOnline@state.nm.us <OCDOnline@state.nm.us>
Sent: Friday, October 11, 2024 4:30 PM
To: Michael Wicker <mwicker@cdhconsult.com>
Subject: The Oil Conservation Division (OCD) has approved the application, Application ID: 389865

To whom it may concern (c/o Michael Wicker for MR NM Operating LLC),

The OCD has approved the submitted *Application for administrative approval of a release notification and corrective action* (C-141), for incident ID (n#) nAPP2322554757, with the following conditions:

- **Remediation plan approved with conditions: 1) Areas affected by the MR NM Operating release that are located on the other operator's wellpad may be backfilled with compacted caliche.**
- **2) The top 4' of the release area needs to be reclaimed to the most stringent criteria in Table 1.**
- **3) All confirmation samples must be tested for all constituents in Table 1.**
- **4) If MR NM Operating chooses to cease excavation due to encountering TPH or BTEX, all activities must cease and the OCD is to be consulted immediately.**
- **Submit remediation closure report to the OCD by 1/9/2025.**

The signed C-141 can be found in the OCD Online: Imaging under the incident ID (n#).

If you have any questions regarding this application, please contact me.

Thank you,
Shelly Wells
Environmental Specialist-A
505-469-7520
Shelly.Wells@emnrd.nm.gov

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

Santa Fe, NM 87505

Michael Wicker

From: OCDOnline@state.nm.us
Sent: Tuesday, February 11, 2025 2:07 PM
To: Michael Wicker
Subject: The Oil Conservation Division (OCD) has rejected the application, Application ID: 427416

Follow Up Flag: Follow up
Flag Status: Flagged

To whom it may concern (c/o Michael Wicker for MR NM Operating LLC),

The OCD has rejected the submitted *Application for administrative approval of a release notification and corrective action* (C-141), for incident ID (n#) nAPP2322554757,
for the following reasons:

- **Remediation closure denied for the following: Referring to Figure 4, the size of the excavation is ~8000 ft2. Referring to your answers in the C-141 application to the question "What was the total surface area (in square feet) remediated," you answered "6,220". Based on the remediation plan approved on 10/11/24, base samples were to be collected every 400 square feet which would equal 16 floor samples if the total surface area is 6,220 square feet. An insufficient number of floor samples was collected from the base of the excavation.**
- **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. The 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.**
- **Of the requirements above, a backfill sample is missing. Mr NM Operating needs to collect a five-point composite backfill sample and submit with updated report.**
- **Resubmit updated remediation closure or reclamation report to the OCD by 3/13/25.**

The rejected C-141 can be found in the OCD Online: Permitting - Action Status, under the Application ID: 427416.
Please review and make the required correction(s) prior to resubmitting.
If you have any questions why this application was rejected or believe it was rejected in error, please contact me prior to submitting an additional C-141.

Thank you,
Shelly Wells
Environmental Specialist-A

505-469-7520
Shelly.Wells@emnrd.nm.gov

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

Michael Wicker

From: Michael Wicker
Sent: Tuesday, February 18, 2025 11:51 AM
To: Wells, Shelly, EMNRD
Cc: Bratcher, Michael, EMNRD; Chris Delhierro
Subject: RE: The Oil Conservation Division (OCD) has rejected the application, Application ID: 427416
Attachments: Figure2_SoilSampleLocation_WestallLineRelease_20250218.pdf

Hi Shelly,

If the area of the excavation was 5,532 square feet then you collected the correct number of confirmation floor samples. If you could update Figure 4 to reflect the correct size as its scale makes its area ~8000ft2 and I did not even include the surface scrape area in the measurement, that would be preferred.
We looked into the figure and confirmed the figure is presenting a 5,538.76 sq ft area (see attached) which is representative of the excavation extent. Can you show how you are calculating 8,000 sqft? We're unable to reproduce this.

I would like to see a photograph of the surface scraped area if it possible.
Unfortunately, this was not photo documented due to a miscommunication with field staff. I assure you the area was scrapped to 6 inches within the area specified using GPS to accurately mark the area. We were more happy to accommodate this request as it was a reasonable compromise agreed to by all parties.

As far as the backfill goes, yes you could collect some from the surface (in the topsoil) and the rest from the deeper depth. As long as it's a five point composite from the soil used for backfill, and is below reclamation limits, that will suffice for the second part of the rejection.
CDH will submit an updated Remediation Closure Plan by 3/13/2025, with results for the 5-point composite sample to be collected from the area that was agreed to be reclaimed.

Thank you!
Michael

Michael A. Wicker, P.G.
Senior Geologist
CDH Consulting, LLC
616.970.8459

From: Jeremy Larsen jlarsen@cdhconsult.com
Sent: Tuesday, February 18, 2025 11:36 AM
To: Michael Wicker mwicker@cdhconsult.com
Subject: Re: The Oil Conservation Division (OCD) has rejected the application, Application ID: 427416

The most accurate measurement I am arriving at is 5,538.76 sq ft. I've used every method I can think of, every model I have available, using different projections and they all come out more or less the same. I've even pulled a measuring tape out and laid it against my screen (though I can only estimate that way). The scale bar is dynamically tied to the map frame, and I've triple checked it, even adding additional scale bars in to verify.

The attached figure is as accurate as I can make it for minimizing distortions to Area, but it's not a whole lot different than the version yesterday.

Are you seeing 8,000, too? I'm just not sure where that is coming from. The only think I can figure is that they are taking the absolute longest dimensions for x and y (and rounding up) and ignoring the irregularity of the polygon.

Jeremy

Jeremy Larsen

GIS and Location Intelligence

CDH Consulting, LLC

720.234.9023

jlarsen@CDHConsult.com

CDH CONSULTING

www.CDHConsult.com

Michael A. Wicker, P.G.
Senior Geologist
CDH Consulting, LLC
616.970.8459

From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Sent: Friday, February 14, 2025 3:01 PM
To: Michael Wicker <mwicker@cdhconsult.com>
Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Chris Delhierro <chris@cdhconsult.com>
Subject: RE: [EXTERNAL] RE: The Oil Conservation Division (OCD) has rejected the application, Application ID: 427416

Hi Michael,

If the area of the excavation was 5,532 square feet then you collected the correct number of confirmation floor samples. If you could update Figure 4 to reflect the correct size as its scale makes its area ~8000ft2 and I did not even include the surface scrape area in the measurement, that would be preferred. I would like to see a photograph of the surface scraped area if it possible. As far as the backfill goes, yes you

could collect some from the surface (in the topsoil) and the rest from the deeper depth. As long as it's a five point composite from the soil used for backfill, and is below reclamation limits, that will suffice for the second part of the rejection.

Kind regards,

Shelly

Shelly Wells * Environmental Specialist-Advanced
Environmental Bureau
EMNRD-Oil Conservation Division
1220 S. St. Francis Drive|Santa Fe, NM 87505
(505)469-7520 Shelly.Wells@emnrd.nm.gov
http://www.emnrd.state.nm.us/OCD/

From: Michael Wicker <mwicker@cdhconsult.com>
Sent: Wednesday, February 12, 2025 8:09 AM
To: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Chris Delhierro <chris@cdhconsult.com>
Subject: [EXTERNAL] RE: The Oil Conservation Division (OCD) has rejected the application, Application ID: 427416

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

Hi Shelly,

The OCD has rejected the submitted *Application for administrative approval of a release notification and corrective action* (C-141), for incident ID (n#) nAPP2322554757,
for the following reasons:

- **Remediation closure denied for the following: Referring to Figure 4, the size of the excavation is ~8000 ft2. Referring to your answers in the C-141 application to the question "What was the total surface area (in square feet) remediated," you answered "6,220". Based on the remediation plan approved on 10/11/24, base samples were to be collected every 400 square feet which would equal 16 floor samples if the total surface area is 6,220 square feet. An insufficient number of floor samples was collected from the base of the excavation.**

  We confirmed the total surface area (in square feet) remediated was 6,221.25 square feet using the GIS file collected in the field. This includes the area the OCD and CDH agreed would be scraped to 6-inches bgs and no samples would be collected from (green area in screenshot below).

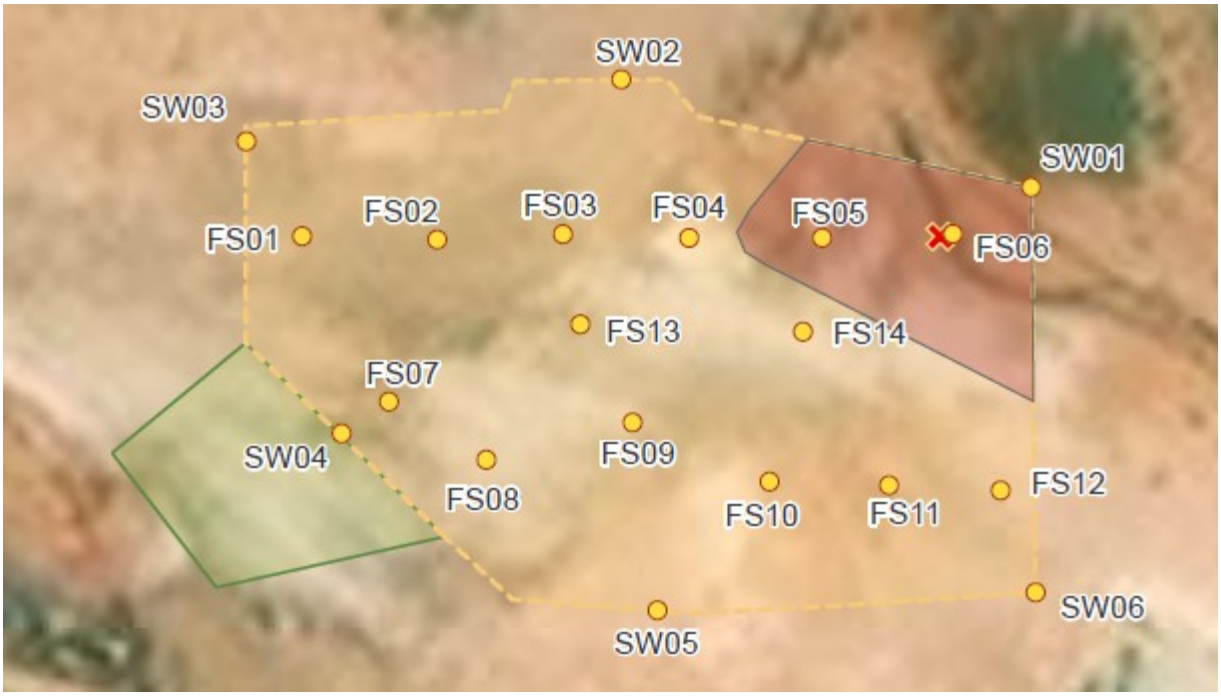
  The excavation (not including the area the OCD and CDH agreed no samples would be collected from) is 5,532.02 square feet. 5,532.02 / 400 square feet = 13.83 confirmation soil samples. 14 confirmation soil samples were collected.

We agreed to 200 square feet for sidewalls, perimeter is 298.45 feet X 4 feet deep = 1,193.8 square feet / 200 square feet = 5.97 samples. 6 sidewall samples were collected.

"On October 2, 2024, CDH and the OCD developed a clear and reasonable path forward regarding the LLJ Ventures, LLC DBA Marker Oil & Gas Federal R #002 wellhead release open excavation via Microsoft Teams. It was agreed that MR NM will remove 6 inches (approximately 2 cubic yards) in the vicinity of SS07 (Figure 2). No confirmation soil samples were to be collected from this area."

- **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. The 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.**
- **Of the requirements above, a backfill sample is missing. Mr NM Operating needs to collect a five-point composite backfill sample and submit with updated report.**

CDH will collect a 5-point composite sample from the area that was agreed to be reclaimed (red area). As the top 1 foot was backfilled with topsoil, the 5-point composite sample will consist of aliquot samples collected from depths of 0.5-1 and 1.5-2 feet bgs.



- **Resubmit updated remediation closure or reclamation report to the OCD by 3/13/25.**

CDH will submit an updated Remediation Closure Plan by 3/13/2025, with results for the 5-point composite sample to be collected from the area that was agreed to be reclaimed

Thank you,
Michael

Michael A. Wicker, P.G.
Senior Geologist
CDH Consulting, LLC
616.970.8459

Michael Wicker

From: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Sent: Tuesday, April 15, 2025 10:42 AM
To: Michael Wicker
Cc: Devin Girtin; Wells, Shelly, EMNRD
Subject: RE: [EXTERNAL] RE: Request for Reduced Analytes (Chloride-Only) - Incident ID nAPP2322554757 - MR NM Operating LLC

Follow Up Flag: Follow up
Flag Status: Flagged

Michael,

As we discussed, and as I understand the issue, initial sampling of previously placed backfill material in the area marked in red on the below map, denoted by FS05 an FS06, one of the samples taken returned a value of 1200 mg/kg chloride which is over limit for backfill material for this area. My understanding is those samples were also tested for hydrocarbon constituents and returned values of non-detect (below reporting limits). To further investigate this area, utilize 12 sample points as evenly spaced as possible. Obtain discrete samples from each sample point at surface and one foot intervals through four feet bgs. Testing may be for chloride only in this instance.

Please include this and all correspondence in future submittals.

Thank you,

Mike Bratcher
Incident Supervisor
Environmental Bureau
EMNRD - Oil Conservation Division
506 W. Texas Ave | Artesia, NM 88210
(575) 626-0857 |
mike.bratcher@emnrd.nm.gov
http://www.emnrd.nm.gov/ocd

From: Michael Wicker <mwicker@cdhconsult.com>
Sent: Monday, April 14, 2025 10:22 AM
To: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Cc: Devin Girtin <dgirtin@cdhconsult.com>
Subject: [EXTERNAL] RE: Request for Reduced Analytes (Chloride-Only) - Incident ID nAPP2322554757 - MR NM Operating LLC

Good Morning, Mike,

Hope you had a great weekend!

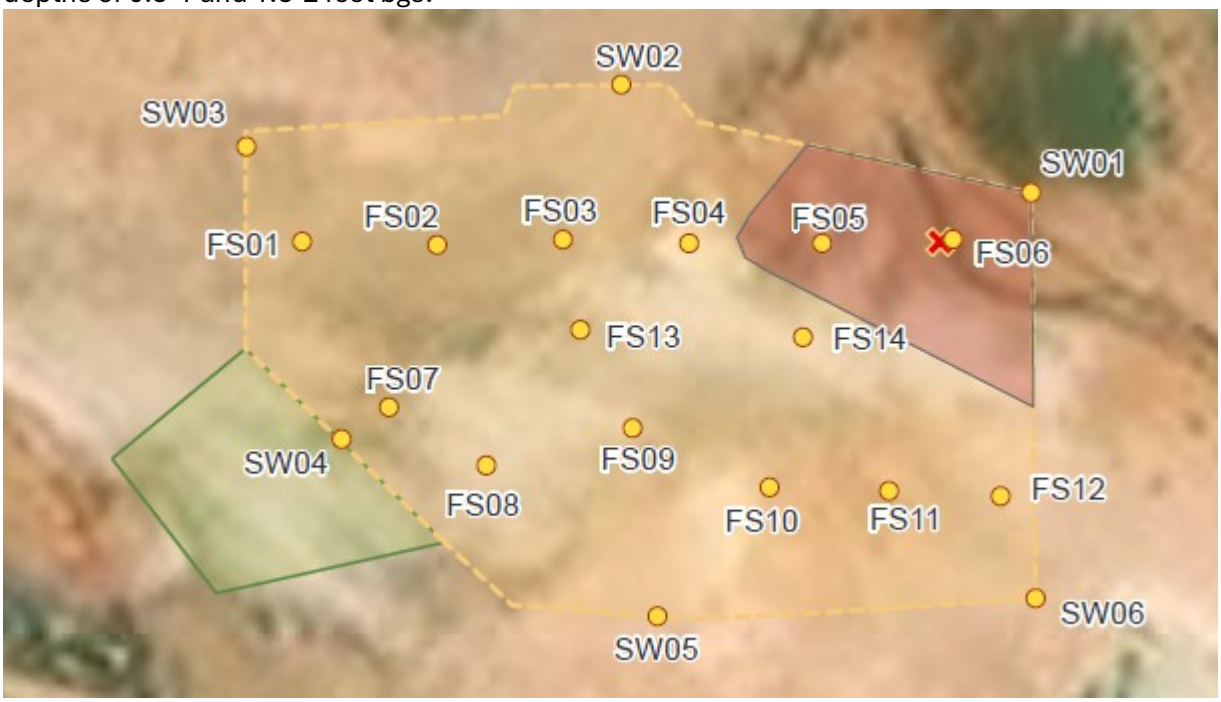
Thank you for discussing this project with me Friday. After you and I spoke, Shelly denied our request to **reduce analytes to chloride only** for the continued backfill assessment. We strongly feel this is unreasonable and unsupported by science or industry standards. Forcing MR NM Operating to analyze for benzene, BTEX, or TPH provides no further protection to groundwater, human health, the environment, or property while unnecessarily wasting resources.

February 11, 2025
Shelly Wells (OCD) denied Application ID #427416

- *"Of the requirements above, a backfill sample is missing. Mr NM Operating needs to collect a five-point composite backfill sample and submit with updated report."*

February 12, 2025

- CDH proposed via email the collection of one 5-point composite sample from the area that was agreed to be reclaimed (red area). As this area was backfilled from 1-4 feet bgs with fill material and the top 1 foot was backfilled with topsoil , the 5-point composite sample included aliquot samples collected from depths of 0.5-1 and 1.5-2 feet bgs.



February 22, 2025

- CDH collected the 5-point composite sample included aliquot samples collected from depths of 0.5-1 and 1.5-2 feet bgs.

February 26, 2025

- CDH received analytical results:
  - **Benzene, BTEX, and TPH all below laboratory reporting limits**
  - Chloride exceeded the Reclamation Standard (600 mg/kg) with a concentration of 1,200 mg/kg

Client Sample Results

Client: CDH Consulting
Project/Site: WESTALL LINE RELEASE

Job ID: 890-7712
SDG: LOCO HILL

Client Sample ID: BACKFILL
Date Collected: 02/22/25 14:28
Date Received: 02/24/25 15:30
Sample Depth: 0.5 - 2'

Lab Sample ID: 890-7712-
Matrix: Soil

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil F
Benzene	<0.00200	U	0.00200		mg/Kg		02/25/25 11:38	02/25/25 14:20	
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/25/25 11:38	02/25/25 14:20	
Toluene	<0.00200	U	0.00200		mg/Kg		02/25/25 11:38	02/25/25 14:20	
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/25/25 11:38	02/25/25 14:20	
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/25/25 11:38	02/25/25 14:20	
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/25/25 11:38	02/25/25 14:20	

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil F*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*02/25/25 11:38*	*02/25/25 14:20*	
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*02/25/25 11:38*	*02/25/25 14:20*	

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil F
Total BTEX	<0.00399	U	0.00399		mg/Kg			02/25/25 14:20	

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil F
Total TPH	<50.0	U	50.0		mg/Kg			02/25/25 11:40	

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil F
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/24/25 17:22	02/25/25 11:40	
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/24/25 17:22	02/25/25 11:40	
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/24/25 17:22	02/25/25 11:40	

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil F*
1-Chlorooctane	*133*	*S1+*	*70 - 130*	*02/24/25 17:22*	*02/25/25 11:40*	
o-Terphenyl	*105*		*70 - 130*	*02/24/25 17:22*	*02/25/25 11:40*	

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil F
Chloride	1200		49.8		mg/Kg			02/25/25 22:00	

March 4, 2024

- CDH completed an expanded backfill/topsoil assessment by collecting two composite soil samples
  - One 5-point composite sample (aliquots collected at a depth of 3-9 inches) collected from within the topsoil interval (0-1-foot bgs)
  - One 5-point composite sample (aliquots collected at a depth of 2.5-3 feet) collected from within the fill material (1-4 feet bgs)

March 6, 2024

- CDH received analytical results:
  - **Benzene, BTEX, and TPH again below laboratory reporting limits**
  - Chloride was below the Reclamation Standard (600 mg/kg) for both the topsoil (127 mg/kg) and backfill (160 mg/kg).

Client Sample Results

Client: CDH Consulting Job ID: 8
Project/Site: WESTALL LINE RELEASE SDG: LO

Client Sample ID: TOPSOIL Lab Sample ID: 89
Date Collected: 03/04/25 09:32 Ma
Date Received: 03/05/25 13:40
Sample Depth: 3"-9"

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed
Benzene	<0.00200	U F1	0.00200		mg/Kg		03/05/25 18:00	03/06/25 12:02
Ethylbenzene	<0.00200	U F1	0.00200		mg/Kg		03/05/25 18:00	03/06/25 12:02
Toluene	<0.00200	U F1	0.00200		mg/Kg		03/05/25 18:00	03/06/25 12:02
Xylenes, Total	<0.00399	U F1	0.00399		mg/Kg		03/05/25 18:00	03/06/25 12:02
m-Xylene & p-Xylene	<0.00399	U F1	0.00399		mg/Kg		03/05/25 18:00	03/06/25 12:02
o-Xylene	<0.00200	U F1	0.00200		mg/Kg		03/05/25 18:00	03/06/25 12:02

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*03/05/25 18:00*	*03/06/25 12:02*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*03/05/25 18:00*	*03/06/25 12:02*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed
Total BTEX	<0.00399	U	0.00399		mg/Kg			03/06/25 12:02

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed
Total TPH	<50.1	U	50.1		mg/Kg			03/06/25 02:01

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		03/05/25 20:25	03/06/25 02:01
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		03/05/25 20:25	03/06/25 02:01
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		03/05/25 20:25	03/06/25 02:01

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*
1-Chlorooctane	*97*		*70 - 130*	*03/05/25 20:25*	*03/06/25 02:01*
o-Terphenyl	*89*		*70 - 130*	*03/05/25 20:25*	*03/06/25 02:01*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed
Chloride	127		10.0		mg/Kg			03/06/25 17:19

Client Sample ID: BACKFILL Lab Sample ID: 89
Date Collected: 03/04/25 09:48 Ma
Date Received: 03/05/25 13:40
Sample Depth: 2.5'-3'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed
Benzene	<0.00202	U	0.00202		mg/Kg		03/05/25 18:00	03/06/25 12:23
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		03/05/25 18:00	03/06/25 12:23
Toluene	<0.00202	U	0.00202		mg/Kg		03/05/25 18:00	03/06/25 12:23
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		03/05/25 18:00	03/06/25 12:23
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		03/05/25 18:00	03/06/25 12:23
o-Xylene	<0.00202	U	0.00202		mg/Kg		03/05/25 18:00	03/06/25 12:23

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*03/05/25 18:00*	*03/06/25 12:23*

Eurofins

Client Sample Results

Client: CDH Consulting Job ID: 8
Project/Site: WESTALL LINE RELEASE SDG: LO

Client Sample ID: BACKFILL **Lab Sample ID: 89**
Date Collected: 03/04/25 09:48 **Ma**
Date Received: 03/05/25 13:40
Sample Depth: 2.5'-3'

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed
1,4-Difluorobenzene (Surr)	89		70 - 130	03/05/25 18:00	03/06/25 12:23

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed
Total BTEX	<0.00404	U	0.00404		mg/Kg			03/06/25 12:23

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed
Total TPH	<50.5	U	50.5		mg/Kg			03/06/25 02:01

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		03/05/25 20:27	03/06/25 02:01
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		03/05/25 20:27	03/06/25 02:01
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		03/05/25 20:27	03/06/25 02:01

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed
1-Chlorooctane	77		70 - 130	03/05/25 20:27	03/06/25 02:01
o-Terphenyl	81		70 - 130	03/05/25 20:27	03/06/25 02:01

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed
Chloride	160		10.0		mg/Kg			03/06/25 17:26

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Page 7 of 22

March 13, 2025
CDH resubmitted the Remediation Closure Report (Application ID #442253)

March 25, 2025
Shelly Wells (OCD) denied Application ID #442253

- *"Reclamation denied for the following: The chloride exceedance from the sample collected on 2/22/2025 has not been thoroughly investigated. Using Field Notes from 2/22/2025, grab samples are required to be collected at the same depths and location as the four aliquots that were collected on 2/22/2025 to confirm both the backfill and topsoil are non-waste containing. Table 2 lists incorrect depths for the topsoil and backfill and should be updated to reflect the correct depths. Resubmit reclamation report to the OCD by 4/24/25."*

April 9, 2025
CDH requested that further backfill assessment analytes be **reduced to chloride only** due to the fact that all three 5-point composite samples collected as part of the backfill assessment have indicated benzene, BTEX, and TPH were all below laboratory reporting limits.

April 11, 2025
Shelly Wells (OCD) denied CDH's request to be **reduced to chloride only** (see email below):

- "They must be tested for all Table I constituents as every responsible party does for reclamation approval."
    - CDH has collected not one, but three 5-point composite samples from this small (746 square feet, 110 cubic yards) area and determined that benzene, BTEX, and TPH are below the laboratory reporting limits:
        - Analyzing the 5 discrete soil samples for benzene, BTEX, and TPH add no further protection to groundwater, human health, the environment, or property

Request for Reduced Analytes (Chloride-Only)

MR NM Operating/CDH request the OCD approve the sampling plan to collect 5 discrete soil samples from the depth intervals the 5 aliquot samples were collected on 2/22/2025 to confirm both backfill and topsoil are non-waste containing.

- Three discrete soil samples collected from a depth of 0.5-1 feet;
- Two discrete soil samples collected from a depth of 1.5-2 feet bgs; and
- **Analyze for chloride only**

Thank you!
Michael

Michael A. Wicker, P.G.
Senior Geologist
CDH Consulting, LLC
616.970.8459

From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Sent: Friday, April 11, 2025 1:09 PM
To: Michael Wicker <mwicker@cdhconsult.com>
Cc: Devin Girtin <dgirtin@cdhconsult.com>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Subject: RE: [EXTERNAL] RE: Request for Reduced Analytes (Chloride-Only) - Incident ID nAPP2322554757 - MR NM Operating LLC

Hi Michael,

The reasonable path forward is to collect four more discrete samples at the same locations where you collected the original aliquots that exceeded reclamation standards. They must be tested for all Table I constituents as every responsible party does for reclamation approval. Otherwise, you may resubmit the report for closure and that will be approved.

Kind regards,

Shelly

Shelly Wells * Environmental Specialist-Advanced
Environmental Bureau
EMNRD-Oil Conservation Division
1220 S. St. Francis Drive|Santa Fe, NM 87505
(505)469-7520 Shelly.Wells@emnrd.nm.gov
http://www.emnrd.state.nm.us/OCD/

From: Michael Wicker <mwicker@cdhconsult.com>
Sent: Friday, April 11, 2025 9:17 AM
To: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Cc: Devin Girtin <dgirtin@cdhconsult.com>
Subject: [EXTERNAL] RE: Request for Reduced Analytes (Chloride-Only) - Incident ID nAPP2322554757 - MR NM Operating LLC

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

Hi Shelly,

Your response indicates you do not understand our request. We request a short meeting to clear this up and establish a reasonable, agreed upon path forward for this project.

Thank you,
Michael

Michael A. Wicker, P.G.
Senior Geologist
CDH Consulting, LLC
616.970.8459

From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Sent: Thursday, April 10, 2025 9:27 AM
To: Devin Girtin <dgirtin@cdhconsult.com>
Cc: Michael Wicker <mwicker@cdhconsult.com>
Subject: RE: [EXTERNAL] Request for Reduced Analytes (Chloride-Only) - Incident ID nAPP2322554757 - MR NM Operating LLC

Good morning Devin,

As this resampling event is due to anomalies that occurred with the original reclamation sampling event and every other responsible party to date has been required to collect a five point composite sample from the backfill, testing for all Table I constituents in or to get reclamation approval, this variance is not approved as it does not provide equal or better protection of fresh water, public health and the environment.

Sincerely,

Shelly

Shelly Wells * Environmental Specialist-Advanced
Environmental Bureau
EMNRD-Oil Conservation Division
1220 S. St. Francis Drive|Santa Fe, NM 87505
(505)469-7520 Shelly.Wells@emnrd.nm.gov
http://www.emnrd.state.nm.us/OCD/

From: Devin Girtin <dgirtin@cdhconsult.com>
Sent: Wednesday, April 9, 2025 1:41 PM
To: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Cc: Michael Wicker <mwicker@cdhconsult.com>
Subject: [EXTERNAL] Request for Reduced Analytes (Chloride-Only) - Incident ID nAPP2322554757 - MR NM Operating LLC

Dear Shelly,

This email follows the voicemail I left earlier today regarding Incident ID nAPP2322554757.

CDH, on behalf of MR NM Operating LLC, is requesting a reduction in the required analytes for soil samples at this location to be chloride only.

As demonstrated by the attached laboratory results (please see attachments and screenshots below), there have been no previous detections above laboratory reporting limits for benzene, BTEX, GRO+DRO, or TPH (GRO+DRO+MRO) in all three samples collected as part of the backfill soil assessment. This data indicates these analytes are not contaminants of concern at this site for the backfill based on sampling conducted thus far.

Based on this consistent data, we formally request the OCD's approval to limit the required analyte list for future backfill soil sampling at this site to chloride only.

We await your review and response before proceeding with the next sampling event.

Thank you for your time and consideration.

Client Sample Results

Client: CDH Consulting
Project/Site: WESTALL LINE RELEASE

Job ID: 890-7773-1
SDG: LOCO HILLS

Client Sample ID: TOPSOIL

Lab Sample ID: 890-7773-1
Matrix: Solid

Date Collected: 03/04/25 09:32
Date Received: 03/05/25 13:40
Sample Depth: 3"-9"

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U F1	0.00200		mg/Kg		03/05/25 18:00	03/06/25 12:02	1
Ethylbenzene	<0.00200	U F1	0.00200		mg/Kg		03/05/25 18:00	03/06/25 12:02	1
Toluene	<0.00200	U F1	0.00200		mg/Kg		03/05/25 18:00	03/06/25 12:02	1
Xylenes, Total	<0.00399	U F1	0.00399		mg/Kg		03/05/25 18:00	03/06/25 12:02	1
m-Xylene & p-Xylene	<0.00399	U F1	0.00399		mg/Kg		03/05/25 18:00	03/06/25 12:02	1
o-Xylene	<0.00200	U F1	0.00200		mg/Kg		03/05/25 18:00	03/06/25 12:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*03/05/25 18:00*	*03/06/25 12:02*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*03/05/25 18:00*	*03/06/25 12:02*	*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			03/06/25 12:02	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			03/06/25 02:01	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		03/05/25 20:25	03/06/25 02:01	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		03/05/25 20:25	03/06/25 02:01	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		03/05/25 20:25	03/06/25 02:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*97*		*70 - 130*	*03/05/25 20:25*	*03/06/25 02:01*	*1*
o-Terphenyl	*89*		*70 - 130*	*03/05/25 20:25*	*03/06/25 02:01*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	127		10.0		mg/Kg			03/06/25 17:19	1

Client Sample ID: BACKFILL

Lab Sample ID: 890-7773-2
Matrix: Solid

Date Collected: 03/04/25 09:48
Date Received: 03/05/25 13:40
Sample Depth: 2.5'-3'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		03/05/25 18:00	03/06/25 12:23	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		03/05/25 18:00	03/06/25 12:23	1
Toluene	<0.00202	U	0.00202		mg/Kg		03/05/25 18:00	03/06/25 12:23	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		03/05/25 18:00	03/06/25 12:23	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		03/05/25 18:00	03/06/25 12:23	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		03/05/25 18:00	03/06/25 12:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*03/05/25 18:00*	*03/06/25 12:23*	*1*

Client Sample Results

Client: CDH Consulting
Project/Site: WESTALL LINE RELEASE

Job ID: 890-7773-1
SDG: LOCO HILLS

Client Sample ID: BACKFILL
Date Collected: 03/04/25 09:48
Date Received: 03/05/25 13:40
Sample Depth: 2.5'-3'

Lab Sample ID: 890-7773-2
Matrix: Solid

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	89		70 - 130	03/05/25 18:00	03/06/25 12:23	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			03/06/25 12:23	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			03/06/25 02:01	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		03/05/25 20:27	03/06/25 02:01	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		03/05/25 20:27	03/06/25 02:01	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		03/05/25 20:27	03/06/25 02:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	77		70 - 130	03/05/25 20:27	03/06/25 02:01	1
o-Terphenyl	81		70 - 130	03/05/25 20:27	03/06/25 02:01	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	160		10.0		mg/Kg			03/06/25 17:26	1

Client Sample Results

Client: CDH Consulting
Project/Site: WESTALL LINE RELEASE

Job ID: 890-7712-1
SDG: LOCO HILLS

Client Sample ID: BACKFILL
Date Collected: 02/22/25 14:28
Date Received: 02/24/25 15:30
Sample Depth: 0.5 - 2'

Lab Sample ID: 890-7712-1
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/25/25 11:38	02/25/25 14:20	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/25/25 11:38	02/25/25 14:20	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/25/25 11:38	02/25/25 14:20	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/25/25 11:38	02/25/25 14:20	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/25/25 11:38	02/25/25 14:20	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/25/25 11:38	02/25/25 14:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*02/25/25 11:38*	*02/25/25 14:20*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*02/25/25 11:38*	*02/25/25 14:20*	*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			02/25/25 14:20	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			02/25/25 11:40	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		02/24/25 17:22	02/25/25 11:40	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/24/25 17:22	02/25/25 11:40	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/24/25 17:22	02/25/25 11:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*133*	*S1+*	*70 - 130*	*02/24/25 17:22*	*02/25/25 11:40*	*1*
o-Terphenyl	*105*		*70 - 130*	*02/24/25 17:22*	*02/25/25 11:40*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1200		49.8		mg/Kg			02/25/25 22:00	5

Devin Girtin, PG, PMP

CDH Consulting, LLC

303-895-7556

dgirtin@CDHconsult.com

www.CDHconsult.com

From: OCDOnline@state.nm.us <OCDOnline@state.nm.us>
Sent: Tuesday, March 25, 2025 2:23 PM
To: Michael Wicker <mwicker@cdhconsult.com>
Subject: The Oil Conservation Division (OCD) has rejected the application, Application ID: 442253

To whom it may concern (c/o Michael Wicker for MR NM Operating LLC),

The OCD has rejected the submitted *Application for administrative approval of a release notification and corrective action* (C-141), for incident ID (n#) nAPP2322554757,
for the following reasons:

- **Reclamation denied for the following: The chloride exceedance from the sample collected on 2/22/2025 has not been thoroughly investigated. Using Field Notes from 2/22/2025, grab samples are required to be collected at the same depths and location as the four aliquots that were collected on 2/22/2025 to confirm both the backfill and topsoil are non-waste containing. Table 2 lists incorrect depths for the topsoil and backfill and should be updated to reflect the correct depths. Resubmit reclamation report to the OCD by 4/24/25.**

The rejected C-141 can be found in the OCD Online: Permitting - Action Status, under the Application ID: 442253.
Please review and make the required correction(s) prior to resubmitting.
If you have any questions why this application was rejected or believe it was rejected in error, please contact me prior to submitting an additional C-141.

Thank you,
Shelly Wells
Environmental Specialist-A
505-469-7520

Shelly.Wells@emnrd.nm.gov

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

Michael Wicker

From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Sent: Thursday, April 24, 2025 1:16 PM
To: Michael Wicker
Cc: Devin Girtin
Subject: RE: [EXTERNAL] RE: Request for Reduced Analytes (Chloride-Only) - Incident ID nAPP2322554757 - MR NM Operating LLC

Follow Up Flag: Follow up
Flag Status: Flagged

Good afternoon Michael,

The extension request for NAPP2322554757 WATER DISPOSAL FLOWLINE RELEASE is approved. This will be the FINAL extension for this release. The new due date to submit your updated remediation plan or closure report to the OCD is May 26, 2025. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Sincerely,

Shelly

Shelly Wells * Environmental Specialist-Advanced
Environmental Bureau
EMNRD-Oil Conservation Division
1220 S. St. Francis Drive|Santa Fe, NM 87505
(505)469-7520 Shelly.Wells@emnrd.nm.gov
http://www.emnrd.state.nm.us/OCD/

From: Michael Wicker <mwicker@cdhconsult.com>
Sent: Thursday, April 24, 2025 11:27 AM
To: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Cc: Devin Girtin <dgirtin@cdhconsult.com>
Subject: [EXTERNAL] RE: Request for Reduced Analytes (Chloride-Only) - Incident ID nAPP2322554757 - MR NM Operating LLC

Hi Shelly,

CDH on behalf of MR NM Operating LLC, is requesting an extension to the Remediation Closure Report due date to be 5/24/2025 to ensure reclamation meets 19.15.29.13 NMAC.

Thank you,
Michael

Michael A. Wicker, P.G.
Senior Geologist
CDH Consulting, LLC
616.970.8459

From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Sent: Friday, April 11, 2025 1:09 PM
To: Michael Wicker <mwicker@cdhconsult.com>
Cc: Devin Girtin <dgirtin@cdhconsult.com>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Subject: RE: [EXTERNAL] RE: Request for Reduced Analytes (Chloride-Only) - Incident ID nAPP2322554757 - MR NM Operating LLC

Hi Michael,

The reasonable path forward is to collect four more discrete samples at the same locations where you collected the original aliquots that exceeded reclamation standards. They must be tested for all Table I constituents as every responsible party does for reclamation approval. Otherwise, you may resubmit the report for closure and that will be approved.

Kind regards,

Shelly

Shelly Wells * Environmental Specialist-Advanced
Environmental Bureau
EMNRD-Oil Conservation Division
1220 S. St. Francis Drive|Santa Fe, NM 87505
(505)469-7520 Shelly.Wells@emnrd.nm.gov
http://www.emnrd.state.nm.us/OCD/

From: Michael Wicker <mwicker@cdhconsult.com>
Sent: Friday, April 11, 2025 9:17 AM
To: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Cc: Devin Girtin <dgirtin@cdhconsult.com>
Subject: [EXTERNAL] RE: Request for Reduced Analytes (Chloride-Only) - Incident ID nAPP2322554757 - MR NM Operating LLC

Hi Shelly,

Your response indicates you do not understand our request. We request a short meeting to clear this up and establish a reasonable, agreed upon path forward for this project.

Thank you,
Michael

Michael A. Wicker, P.G.
Senior Geologist
CDH Consulting, LLC
616.970.8459

From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Sent: Thursday, April 10, 2025 9:27 AM
To: Devin Girtin <dgirtin@cdhconsult.com>
Cc: Michael Wicker <mwicker@cdhconsult.com>
Subject: RE: [EXTERNAL] Request for Reduced Analytes (Chloride-Only) - Incident ID nAPP2322554757 - MR NM Operating LLC

Good morning Devin,

As this resampling event is due to anomalies that occurred with the original reclamation sampling event and every other responsible party to date has been required to collect a five point composite sample from the backfill, testing for all Table I constituents in or to get reclamation approval, this variance is not approved as it does not provide equal or better protection of fresh water, public health and the environment.

Sincerely,

Shelly

Shelly Wells * Environmental Specialist-Advanced
Environmental Bureau
EMNRD-Oil Conservation Division
1220 S. St. Francis Drive|Santa Fe, NM 87505
(505)469-7520 Shelly.Wells@emnrd.nm.gov
http://www.emnrd.state.nm.us/OCD/

From: Devin Girtin <dgirtin@cdhconsult.com>
Sent: Wednesday, April 9, 2025 1:41 PM
To: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Cc: Michael Wicker <mwicker@cdhconsult.com>
Subject: [EXTERNAL] Request for Reduced Analytes (Chloride-Only) - Incident ID nAPP2322554757 - MR NM Operating LLC

Dear Shelly,

This email follows the voicemail I left earlier today regarding Incident ID nAPP2322554757.

CDH, on behalf of MR NM Operating LLC, is requesting a reduction in the required analytes for soil samples at this location to be chloride only.

As demonstrated by the attached laboratory results (please see attachments and screenshots below), there have been no previous detections above laboratory reporting limits for benzene, BTEX, GRO+DRO, or TPH (GRO+DRO+MRO) in all three samples collected as part of the backfill soil assessment. This data indicates these analytes are not contaminants of concern at this site for the backfill based on sampling conducted thus far.

Based on this consistent data, we formally request the OCD's approval to limit the required analyte list for future backfill soil sampling at this site to chloride only.

We await your review and response before proceeding with the next sampling event.

Thank you for your time and consideration.

Client Sample Results

Client: CDH Consulting
Project/Site: WESTALL LINE RELEASE

Job ID: 890-7773-1
SDG: LOCO HILLS

Client Sample ID: TOPSOIL

Lab Sample ID: 890-7773-1
Matrix: Solid

Date Collected: 03/04/25 09:32
Date Received: 03/05/25 13:40
Sample Depth: 3"-9"

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U F1	0.00200		mg/Kg		03/05/25 18:00	03/06/25 12:02	1
Ethylbenzene	<0.00200	U F1	0.00200		mg/Kg		03/05/25 18:00	03/06/25 12:02	1
Toluene	<0.00200	U F1	0.00200		mg/Kg		03/05/25 18:00	03/06/25 12:02	1
Xylenes, Total	<0.00399	U F1	0.00399		mg/Kg		03/05/25 18:00	03/06/25 12:02	1
m-Xylene & p-Xylene	<0.00399	U F1	0.00399		mg/Kg		03/05/25 18:00	03/06/25 12:02	1
o-Xylene	<0.00200	U F1	0.00200		mg/Kg		03/05/25 18:00	03/06/25 12:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*03/05/25 18:00*	*03/06/25 12:02*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*03/05/25 18:00*	*03/06/25 12:02*	*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			03/06/25 12:02	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			03/06/25 02:01	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		03/05/25 20:25	03/06/25 02:01	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		03/05/25 20:25	03/06/25 02:01	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		03/05/25 20:25	03/06/25 02:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*97*		*70 - 130*	*03/05/25 20:25*	*03/06/25 02:01*	*1*
o-Terphenyl	*89*		*70 - 130*	*03/05/25 20:25*	*03/06/25 02:01*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	127		10.0		mg/Kg			03/06/25 17:19	1

Client Sample ID: BACKFILL

Lab Sample ID: 890-7773-2
Matrix: Solid

Date Collected: 03/04/25 09:48
Date Received: 03/05/25 13:40
Sample Depth: 2.5'-3'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		03/05/25 18:00	03/06/25 12:23	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		03/05/25 18:00	03/06/25 12:23	1
Toluene	<0.00202	U	0.00202		mg/Kg		03/05/25 18:00	03/06/25 12:23	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		03/05/25 18:00	03/06/25 12:23	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		03/05/25 18:00	03/06/25 12:23	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		03/05/25 18:00	03/06/25 12:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*03/05/25 18:00*	*03/06/25 12:23*	*1*

Client Sample Results

Client: CDH Consulting
Project/Site: WESTALL LINE RELEASE

Job ID: 890-7773-1
SDG: LOCO HILLS

Client Sample ID: BACKFILL
Date Collected: 03/04/25 09:48
Date Received: 03/05/25 13:40
Sample Depth: 2.5'-3'

Lab Sample ID: 890-7773-2
Matrix: Solid

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	89		70 - 130	03/05/25 18:00	03/06/25 12:23	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			03/06/25 12:23	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			03/06/25 02:01	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		03/05/25 20:27	03/06/25 02:01	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		03/05/25 20:27	03/06/25 02:01	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		03/05/25 20:27	03/06/25 02:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	77		70 - 130	03/05/25 20:27	03/06/25 02:01	1
o-Terphenyl	81		70 - 130	03/05/25 20:27	03/06/25 02:01	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	160		10.0		mg/Kg			03/06/25 17:26	1

Client Sample Results

Client: CDH Consulting
Project/Site: WESTALL LINE RELEASE

Job ID: 890-7712-1
SDG: LOCO HILLS

Client Sample ID: BACKFILL
Date Collected: 02/22/25 14:28
Date Received: 02/24/25 15:30
Sample Depth: 0.5 - 2'

Lab Sample ID: 890-7712-1
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/25/25 11:38	02/25/25 14:20	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/25/25 11:38	02/25/25 14:20	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/25/25 11:38	02/25/25 14:20	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/25/25 11:38	02/25/25 14:20	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/25/25 11:38	02/25/25 14:20	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/25/25 11:38	02/25/25 14:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*02/25/25 11:38*	*02/25/25 14:20*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*02/25/25 11:38*	*02/25/25 14:20*	*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			02/25/25 14:20	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			02/25/25 11:40	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		02/24/25 17:22	02/25/25 11:40	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/24/25 17:22	02/25/25 11:40	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/24/25 17:22	02/25/25 11:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*133*	*S1+*	*70 - 130*	*02/24/25 17:22*	*02/25/25 11:40*	*1*
o-Terphenyl	*105*		*70 - 130*	*02/24/25 17:22*	*02/25/25 11:40*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1200		49.8		mg/Kg			02/25/25 22:00	5

Devin Girtin, PG, PMP

CDH Consulting, LLC

303-895-7556

dgirtin@CDHconsult.com

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From: OCDOnline@state.nm.us <OCDOnline@state.nm.us>
Sent: Tuesday, March 25, 2025 2:23 PM
To: Michael Wicker <mwicker@cdhconsult.com>
Subject: The Oil Conservation Division (OCD) has rejected the application, Application ID: 442253

To whom it may concern (c/o Michael Wicker for MR NM Operating LLC),

The OCD has rejected the submitted *Application for administrative approval of a release notification and corrective action* (C-141), for incident ID (n#) nAPP2322554757,
for the following reasons:

- **Reclamation denied for the following: The chloride exceedance from the sample collected on 2/22/2025 has not been thoroughly investigated. Using Field Notes from 2/22/2025, grab samples are required to be collected at the same depths and location as the four aliquots that were collected on 2/22/2025 to confirm both the backfill and topsoil are non-waste containing. Table 2 lists incorrect depths for the topsoil and backfill and should be updated to reflect the correct depths. Resubmit reclamation report to the OCD by 4/24/25.**

The rejected C-141 can be found in the OCD Online: Permitting - Action Status, under the Application ID: 442253.
Please review and make the required correction(s) prior to resubmitting.
If you have any questions why this application was rejected or believe it was rejected in error, please contact me prior to submitting an additional C-141.

Thank you,
Shelly Wells
Environmental Specialist-A
505-469-7520

Shelly.Wells@emnrd.nm.gov

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

ATTACHMENT B

Waste Manifest Summary

Facility	Manifest Date	Manifest #	Ticket ID	Invoice #	Generator	Ordered By	API #	Well Name	Well Number	Hauler Name	Product Name	Unit	Quantity	Rig
CRI	1/10/2025	HW-724758	700-1672289		MR NM Operating	CHANCE SCARBOUGH		WATER CONSOLIDATION	FLOW LINE RELEASE	2S TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	12	NON-DRILLING
CRI	1/10/2025	HW-729374	700-1672288		MR NM Operating	CHANCE SCARBOROUGH		WATER CONSOLIDATION	FLOW LINE RELEASE	2S TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	12	NON-DRILLING
CRI	1/6/2025	HW-728571	700-1670683		MR NM Operating	CHANCE SCARBOROUGH		WATER CONSOLIDATION	FLOW LINE RELEASE	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	12	NON-DRILLING
CRI	1/6/2025	HW-724757	700-1670639		MR NM Operating	CHANCE SCARBOROUGH		WATER CONSOLIDATION	FLOW LINE RELEASE	2S TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	12	NON-DRILLING
CRI	1/6/2025	HW-729375	700-1670636		MR NM Operating	CHANCE SCARBOROUGH		WATER CONSOLIDATION	FLOW LINE RELEASE	2S TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	12	NON-DRILLING
CRI	1/6/2025	HW-728570	700-1670525		MR NM Operating	CHANCE SCARBOROUGH		WATER CONSOLIDATION	FLOW LINE RELEASE	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	12	NON-DRILLING
CRI	1/6/2025	HW-725563	700-1670511		MR NM Operating	CHANCE SCARBOROUGH		WATER CONSOLIDATION	FLOW LINE RELEASE	2S TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	12	NON-DRILLING
CRI	1/6/2025	HW-729376	700-1670496		MR NM Operating	CHANCE SCARBOROUGH		WATER CONSOLIDATION	FLOW LINE RELEASE	2S TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	12	NON-DRILLING
CRI	1/3/2025	HW-729377	700-1669637		MR NM Operating	CHANCE SCARBOROUGH		WATER CONSOLIDATION	FLOW LINE RELEASE	2S TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	12	NON-DRILLING
CRI	1/3/2025	HW-728569	700-1669633		MR NM Operating	CHANCE SCARBOROUGH		WATER CONSOLIDATION	FLOW LINE RELEASE	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	12	NON-DRILLING
CRI	1/3/2025	HW-725562	700-1669632		MR NM Operating	CHANCE SCARBOROUGH		WATER CONSOLIDATION	FLOW LINE RELEASE	2S TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	12	NON-DRILLING
CRI	1/3/2025	HW-725766	700-1669614		MR NM Operating	CHANCE SCARBOROUGH		WATER CONSOLIDATION	FLOW LINE RELEASE	BDS ENTERPRISES LLC	Contaminated Soil (RCRA Exempt)	yards	14	NON-DRILLING
CRI	1/3/2025	HW-728702	700-1669610		MR NM Operating	CHANCE SCARBOROUGH		WATER CONSOLIDATION	FLOW LINE RELEASE	BDS ENTERPRISES LLC	Contaminated Soil (RCRA Exempt)	yards	12	NON-DRILLING
CRI	1/3/2025	HW-729112	700-1669564		MR NM Operating	CHANCE SCARBOROUGH		WATER CONSOLIDATION	FLOW LINE RELEASE	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	12	NON-DRILLING
CRI	1/3/2025	HW-729056	700-1669563		MR NM Operating	CHANCE SCARBOROUGH		WATER CONSOLIDATION	FLOW LINE RELEASE	2S TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	12	NON-DRILLING
CRI	1/3/2025	HW-729630	700-1669562		MR NM Operating	CHANCE SCARBOROUGH		WATER CONSOLIDATION	FLOW LINE RELEASE	2S TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	12	NON-DRILLING
CRI	1/3/2025	HW-725765	700-1669534		MR NM Operating	CHANCE SCARBOROUGH		WATER CONSOLIDATION	FLOW LINE RELEASE	BDS ENTERPRISES LLC	Contaminated Soil (RCRA Exempt)	yards	14	NON-DRILLING
CRI	1/3/2025	HW-728700	700-1669527		MR NM Operating	CHANCE SCARBOROUGH		WATER CONSOLIDATION	FLOW LINE RELEASE	BDS ENTERPRISES LLC	Contaminated Soil (RCRA Exempt)	yards	12	NON-DRILLING
CRI	1/3/2025	HW-728701	700-1669453		MR NM Operating	CHANCE SCARBOROUGH		WATER CONSOLIDATION	FLOW LINE RELEASE	BDS ENTERPRISES LLC	Contaminated Soil (RCRA Exempt)	yards	12	NON-DRILLING
CRI	1/3/2025	HW-729310	700-1669450		MR NM Operating	CHANCE SCARBOROUGH		WATER CONSOLIDATION	FLOW LINE RELEASE	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	12	NON-DRILLING
CRI	1/3/2025	HW-725302	700-1669448		MR NM Operating	CHANCE SCARBOROUGH		WATER CONSOLIDATION	FLOW LINE RELEASE	2S TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	12	NON-DRILLING
CRI	1/3/2025	HW-729055	700-1669446		MR NM Operating	CHANCE SCARBOROUGH		WATER CONSOLIDATION	FLOW LINE RELEASE	2S TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	12	NON-DRILLING
CRI	1/3/2025	HW-725764	700-1669429		MR NM Operating	CHANCE SCARBOROUGH		WATER CONSOLIDATION	FLOW LINE RELEASE	BDS ENTERPRISES LLC	Contaminated Soil (RCRA Exempt)	yards	14	NON-DRILLING
CRI	1/3/2025	HW-725536	700-1669362		MR NM Operating	CHANCE SCARBOROUGH		WATER CONSOLIDATION	FLOW LINE RELEASE	BDS ENTERPRISES LLC	Contaminated Soil (RCRA Exempt)	yards	12	NON-DRILLING
CRI	1/3/2025	HW-725535	700-1669361		MR NM Operating	CHANCE SCARBOROUGH		WATER CONSOLIDATION	FLOW LINE RELEASE	BDS ENTERPRISES LLC	Contaminated Soil (RCRA Exempt)	yards	14	NON-DRILLING
CRI	1/3/2025	HW-730102	700-1669357		MR NM Operating	CHANCE SCARBOROUGH		WATER CONSOLIDATION	FLOW LINE RELEASE	2S TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	12	NON-DRILLING
CRI	1/3/2025	HW-729111	700-1669355		MR NM Operating	CHANCE SCARBOROUGH		WATER CONSOLIDATION	FLOW LINE RELEASE	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	12	NON-DRILLING
CRI	1/3/2025	HW-729373	700-1669356		MR NM Operating	CHANCE SCARBOROUGH		WATER CONSOLIDATION	FLOW LINE RELEASE	2S TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	12	NON-DRILLING
CRI	1/2/2025	HW-729629	700-1669140		MR NM Operating	CHANCE SCARBOROUGH		WATER CONSOLIDATION	FLOW LINE RELEASE	2S TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	12	NON-DRILLING
CRI	1/2/2025	HW-728594	700-1669139		MR NM Operating	CHANCE SCARBOROUGH		WATER CONSOLIDATION	FLOW LINE RELEASE	2S TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	12	NON-DRILLING
CRI	1/2/2025	HW-729323	700-1669132		MR NM Operating	CHANCE SCARBOROUGH		WATER CONSOLIDATION	FLOW LINE RELEASE	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	12	NON-DRILLING
CRI	1/2/2025	HW-725534	700-1669133		MR NM Operating	CHANCE SCARBOROUGH		WATER CONSOLIDATION	FLOW LINE RELEASE	BDS ENTERPRISES LLC	Contaminated Soil (RCRA Exempt)	yards	14	NON-DRILLING
CRI	1/2/2025	HW-725533	700-1669047		MR NM Operating	CHANCE SCARBOROUGH		WATER CONSOLIDATION	FLOW LINE RELEASE	BDS ENTERPRISES LLC	Contaminated Soil (RCRA Exempt)	yards	14	NON-DRILLING
CRI	1/2/2025	HW-725505	700-1669043		MR NM Operating	CHANCE SCARBOROUGH		WATER CONSOLIDATION	FLOW LINE RELEASE	2S TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	12	NON-DRILLING
CRI	1/2/2025	HW-728595	700-1669042		MR NM Operating	CHANCE SCARBOROUGH		WATER CONSOLIDATION	FLOW LINE RELEASE	2S TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	12	NON-DRILLING
CRI	1/2/2025	HW-729321	700-1669032		MR NM Operating	CHANCE SCARBOROUGH		WATER CONSOLIDATION	FLOW LINE RELEASE	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	12	NON-DRILLING
CRI	1/2/2025	HW-725507	700-1668923		MR NM Operating	CHANCE SCARBOROUGH		WATER CONSOLIDATION	FLOW LINE RELEASE	BDS ENTERPRISES LLC	Contaminated Soil (RCRA Exempt)	yards	14	NON-DRILLING
CRI	1/2/2025	HW-725503	700-1668916		MR NM Operating	CHANCE SCARBOROUGH		WATER CONSOLIDATION	FLOW LINE RELEASE	2S TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	12	NON-DRILLING
CRI	1/2/2025	HW-728593	700-1668915		MR NM Operating	CHANCE SCARBOROUGH		WATER CONSOLIDATION	FLOW LINE RELEASE	2S TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	12	NON-DRILLING
CRI	1/2/2025	HW-729320	700-1668887		MR NM Operating	CHANCE SCARBOROUGH		WATER CONSOLIDATION	FLOW LINE RELEASE	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	12	NON-DRILLING
CRI	1/2/2025	HW-725506	700-1668844		MR NM Operating	CHANCE SCARBOROUGH		WATER CONSOLIDATION	FLOW LINE RELEASE	BDS ENTERPRISES LLC	Contaminated Soil (RCRA Exempt)	yards	14	NON-DRILLING
CRI	1/2/2025	HW-725303	700-1668840		MR NM Operating	CHANCE SCARBOROUGH		WATER CONSOLIDATION	FLOW LINE RELEASE	2S TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	12	NON-DRILLING
CRI	1/2/2025	HW-729054	700-1668839		MR NM Operating	CHANCE SCARBOROUGH		WATER CONSOLIDATION	FLOW LINE RELEASE	2S TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	12	NON-DRILLING
CRI	1/2/2025	HW-729322	700-1668822		MR NM Operating	CHANCE SCARBOROUGH		WATER CONSOLIDATION	FLOW LINE RELEASE	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	12	NON-DRILLING
CRI	12/31/2024	HW-730101	700-1668292	C294552	MR NM Operating	CHANCE SCARBOROUGH		WATER CONSOLIDATION	FLOW LINE RELEASE	2S TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	12	NON-DRILLING
CRI	12/31/2024	HW-729343	700-1668290	C294552	MR NM Operating	CHANCE SCARBOROUGH		WATER CONSOLIDATION	FLOW LINE RELEASE	2S TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	12	NON-DRILLING
CRI	12/31/2024	HW-729668	700-1668288	C294552	MR NM Operating	CHANCE SCARBOROUGH		WATER CONSOLIDATION	FLOW LINE RELEASE	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	12	NON-DRILLING
CRI	12/31/2024	HW-729667	700-1668199	C294552	MR NM Operating	CHANCE SCARBOROUGH		WATER CONSOLIDATION	FLOW LINE RELEASE	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	12	NON-DRILLING
CRI	12/31/2024	HW-730100	700-1668198	C294552	MR NM Operating	CHANCE SCARBOROUGH		WATER CONSOLIDATION	FLOW LINE RELEASE	2S TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	12	NON-DRILLING
CRI	12/31/2024	HW-729342	700-1668197	C294552	MR NM Operating	CHANCE SCARBOROUGH		WATER CONSOLIDATION	FLOW LINE RELEASE	2S TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	12	NON-DRILLING
CRI	12/31/2024	HW-729357	700-1668106	C294552	MR NM Operating	CHANCE SCARBOROUGH		WATER CONSOLIDATION	FLOW LINE RELEASE	2S TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	12	NON-DRILLING
CRI	12/31/2024	HW-729356	700-1668105	C294552	MR NM Operating	CHANCE SCARBOROUGH		WATER CONSOLIDATION	FLOW LINE RELEASE	2S TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	12	NON-DRILLING
CRI	12/31/2024	HW-729663	700-1668096	C294552	MR NM Operating	CHANCE SCARBOROUGH		WATER CONSOLIDATION	FLOW LINE RELEASE	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	12	NON-DRILLING
CRI	12/30/2024	HW-729341	700-1667879	C294110	MR NM Operating	CHANCE SCARBOROUGH		WATER CONSOLIDATION	FLOW LINE RELEASE	2S TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	12	NON-DRILLING
CRI	12/30/2024	HW-729073	700-1667877	C294110	MR NM Operating	CHANCE SCARBOROUGH		WATER CONSOLIDATION	FLOW LINE RELEASE	2S TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	12	NON-DRILLING
CRI	12/30/2024	HW-729664	700-1667873	C294110	MR NM Operating	CHANCE SCARBOROUGH		WATER CONSOLIDATION	FLOW LINE RELEASE	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	12	NON-DRILLING
CRI	12/30/2024	HW-729325	700-1667794	C294110	MR NM Operating	CHANCE SCARBOROUGH		WATER CONSOLIDATION	FLOW LINE RELEASE	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	12	NON-DRILLING
CRI	12/30/2024	HW-730099	700-1667793	C294110	MR NM Operating	CHANCE SCARBOROUGH		WATER CONSOLIDATION	FLOW LINE RELEASE	2S TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	12	NON-DRILLING
CRI	12/30/2024	HW-729681	700-1667792	C294110	MR NM Operating	CHANCE SCARBBORUGH		WATER CONSOLIDATION	FLOW LINE RELEASE	2S TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	12	NON-DRILLING
CRI	12/30/2024	HW-729072	700-1667728	C294110	MR NM Operating	CHANCE SCARBOROUGH		WATER CONSOLIDATION	FLOW LINE RELEASE	2S TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	12	NON-DRILLING
CRI	12/30/2024	HW-729666	700-1667724	C294110	MR NM Operating	CHANCE SCARBOROUGH		WATER CONSOLIDATION	FLOW LINE RELEASE	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	12	NON-DRILLING
CRI	12/30/2024	HW-729680	700-1667722	C294110	MR NM Operating	CHANCE SCARBOROUGH		WATER CONSOLIDATION	FLOW LINE RELEASE	2S TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	12	NON-DRILLING
CRI	12/24/2024	HW-729053	700-1665917	C294110	MR NM Operating	CHANCE SCARBOROUGH		WATER CONSOLIDATION	FLOW LINE RELEASE	2S TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	12	NON-DRILLING

Facility	Manifest Date	Manifest #	Ticket ID	Invoice #	Generator	Ordered By	API #	Well Name	Well Number	Hauler Name	Product Name	Unit	Quantity	Rig
CRI	12/24/2024	HW-729628	700-1665916	C294110	MR NM Operating	CHANCE SCARBOROUGH		WATER CONSOLIDATION	FLOW LINE RELEASE	2S TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	12	NON-DRILLING
CRI	12/24/2024	HW-729665	700-1665911	C294110	MR NM Operating	CHANCE SCARBOROUGH		WATER CONSOLIDATION	FLOW LINE RELEASE	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	12	NON-DRILLING
CRI	12/24/2024	HW-729627	700-1665880	C294110	MR NM Operating	CHANCE SCARBOROUGH		WATER CONSOLIDATION	FLOW LINE RELEASE	2S TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	12	NON-DRILLING
CRI	12/24/2024	HW-721070	700-1665879	C294110	MR NM Operating	CHANCE SCARBOROUGH		WATER CONSOLIDATION	FLOW LINE RELEASE	2S TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	12	NON-DRILLING
CRI	12/24/2024	HW-721065	700-1665875	C294110	MR NM Operating	CHANCE SCARBOROUGH		WATER CONSOLIDATION	FLOW LINE RELEASE	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	12	NON-DRILLING
CRI	12/23/2024	HW-721064	700-1665581	C293399	MR NM Operating	CHANCE SCARBOROUGH		WATER CONSOLIDATION	FLOW LINE RELEASE	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	12	NON-DRILLING
CRI	12/23/2024	HW-729626	700-1665580	C293399	MR NM Operating	CHANCE SCARBOROUGH		WATER CONSOLIDATION	FLOW LINE RELEASE	2S TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	12	NON-DRILLING
CRI	12/23/2024	HW-729625	700-1665579	C293399	MR NM Operating	CHANCE SCARBOROUGH		WATER CONSOLIDATION	FLOW LINE RELEASE	2S TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	12	NON-DRILLING
CRI	12/23/2024	HW-721062	700-1665462	C293399	MR NM Operating	CHANCE SCARBOROUGH		WATER CONSOLIDATION	FLOW LINE RELEASE	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	12	NON-DRILLING
CRI	12/23/2024	HW-728374	700-1665455	C293399	MR NM Operating	CHANCE SCARBOROUGH		WATER CONSOLIDATION	FLOW LINE RELEASE	2S TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	12	NON-DRILLING
CRI	12/23/2024	HWW-728373	700-1665456	C293399	MR NM Operating	CHANCE SCARBOROUGH		WATER CONSOLIDATION	FLOW LINE RELEASE	2S TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	12	NON-DRILLING
CRI	12/20/2024	HW-728372	700-1664519	C293399	MR NM Operating	CHANCE SCARBOROUGH		WATER CONSOLIDATION	FLOW LINE RELEASE	2S TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	12	NON-DRILLING
CRI	12/20/2024	HW-721020	700-1664517	C293399	MR NM Operating	CHANCE SCARBOROUGH		WATER CONSOLIDATION	FLOW LINE RELEASE	2S TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	12	NON-DRILLING
CRI	12/20/2024	HW-728368	700-1664411	C293399	MR NM Operating	CHANCE SCARBOROUGH		WATER CONSOLIDATION	FLOW LINE RELEASE	2S TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	12	NON-DRILLING
CRI	12/20/2024	HW-721071	700-1664407	C293399	MR NM Operating	CHANCE SCARBOROUGH		WATER CONSOLIDATION	FLOW LINE RELEASE	2S TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	12	NON-DRILLING
CRI	12/20/2024	HW-721069	700-1664324	C293399	MR NM Operating	CHANCE SCARBOROUGH		WATER CONSOLIDATION	FLOW LINE RELEASE	2S TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	12	NON-DRILLING
CRI	12/20/2024	HW-728366	700-1664322	C293399	MR NM Operating	CHANCE SCARBOROUGH		WATER CONSOLIDATION	FLOW LINE RELEASE	2S TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	12	NON-DRILLING
CRI	12/20/2024	HW-721063	700-1664319	C293399	MR NM Operating	CHANCE SCARBOROUGH		WATER CONSOLIDATION	FLOW LINE RELEASE	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	12	NON-DRILLING
													988	

ATTACHMENT C
Photographic Logs

PHOTOGRAPHIC LOG
MR NM Operating, LLC
Water Disposal Flowline Release
January 3 & 10, 2025

Photo 1: Excavation overview, facing southeast

Photo 2: Excavation overview, facing southeast

PHOTOGRAPHIC LOG
MR NM Operating, LLC
Water Disposal Flowline Release
January 3 & 10, 2025

Photo 3: ~1 foot of topsoil observed in northeast corner of excavation, facing northeast

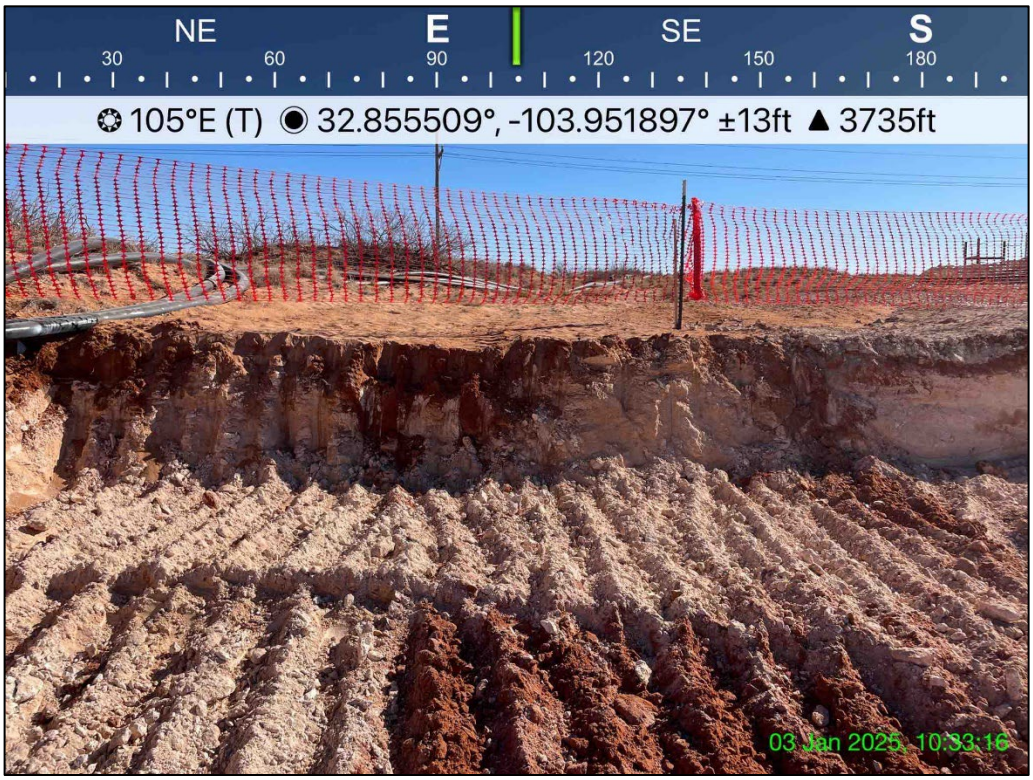

Photo 4: Excavation eastern sidewall

PHOTOGRAPHIC LOG
MR NM Operating, LLC
Water Disposal Flowline Release
January 3 & 10, 2025

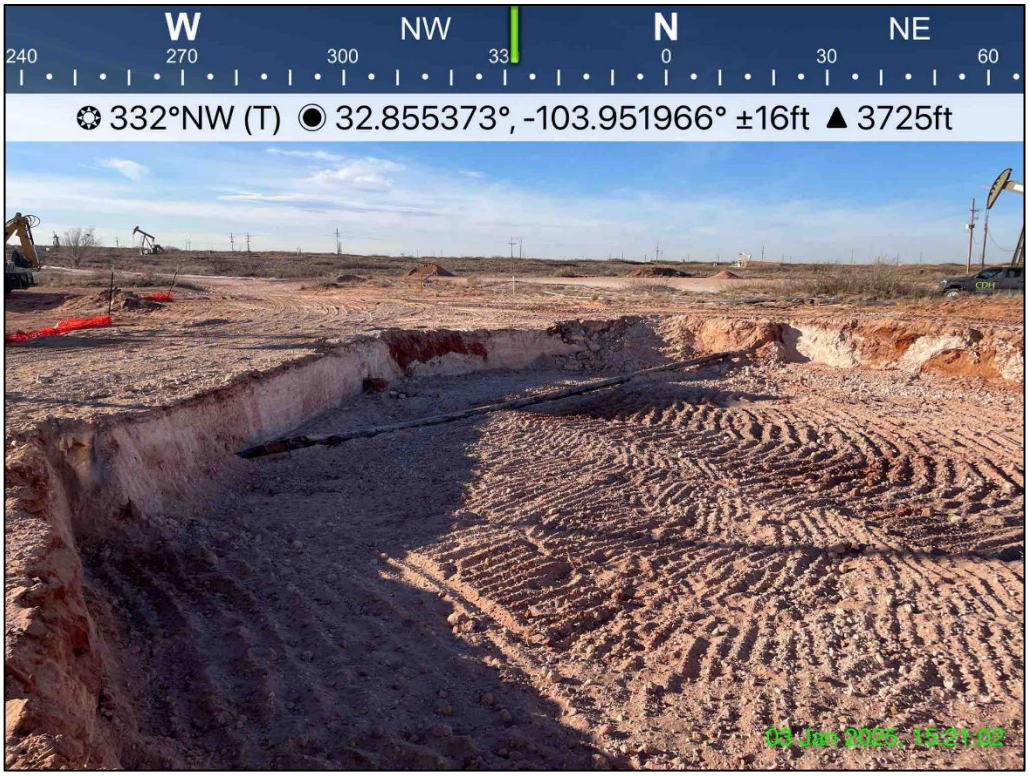

Photo 5: Excavation overview, facing northwest

Photo 6: Excavation overview, facing north

PHOTOGRAPHIC LOG
MR NM Operating, LLC
Water Disposal Flowline Release
January 3 & 10, 2025

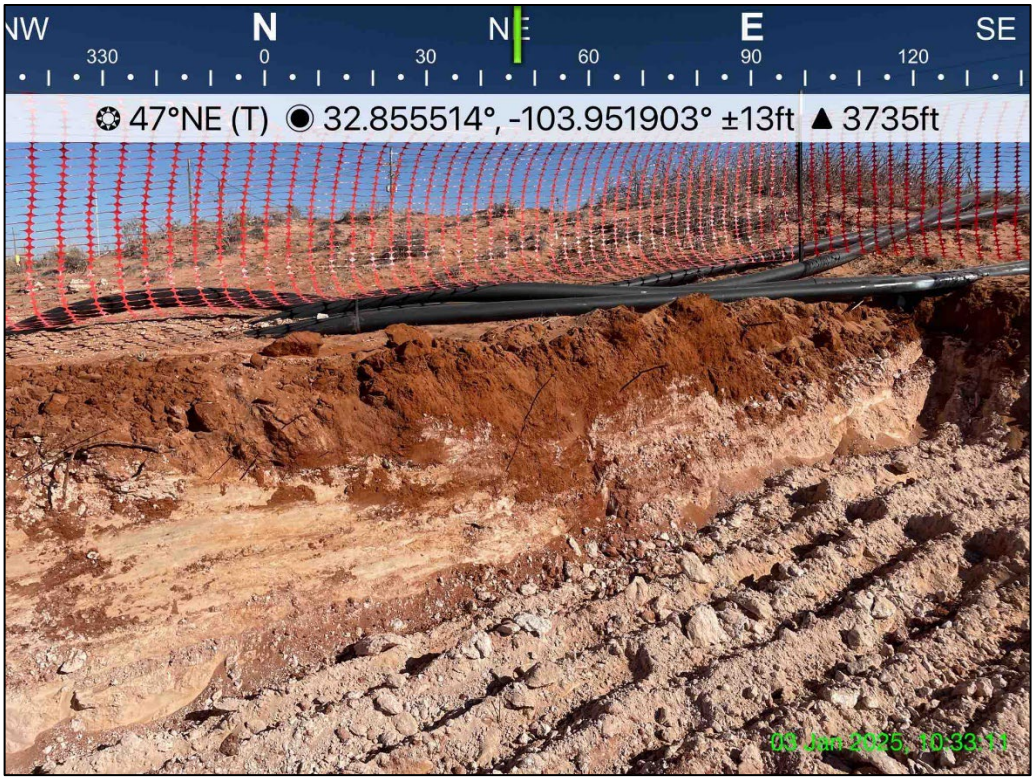

Photo 7: ~1 foot of topsoil observed in northeast corner of excavation, facing northeast

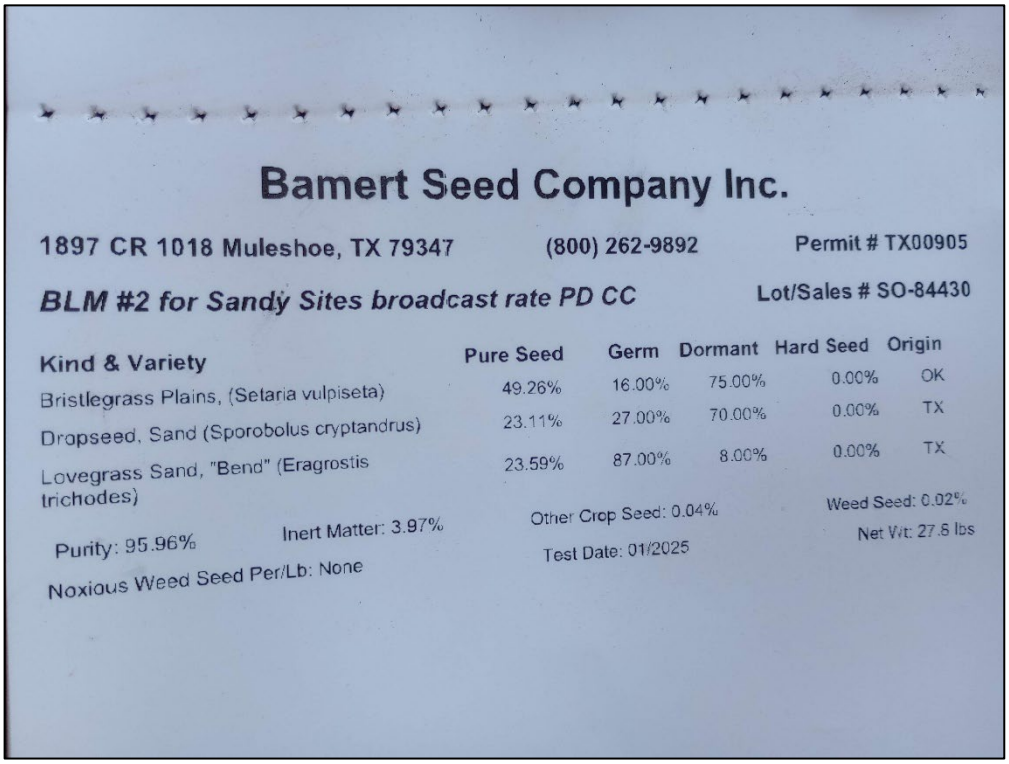

Photo 8: BLM #2 for sandy sites broadcast seeded within off-pad/off-road area

PHOTOGRAPHIC LOG
MR NM Operating, LLC
Water Disposal Flowline Release
January 3 & 10, 2025

Photo 9: Area backfilled with topsoil, seeded with BLM #2 for sandy sites

Photo 10: Area backfilled with topsoil, seeded with BLM #2 for sandy sites

PHOTOGRAPHIC LOG
MR NM Operating, LLC
Water Disposal Flowline Release
January 3 & 10, 2025

Photo 11: Site restoration

Photo 12: Site restoration

PHOTOGRAPHIC LOG
MR NM Operating, LLC
Water Disposal Flowline Release
July 16 and 22, 2025

Photo 1: Excavation overview, facing northeast

Photo 2: Excavation overview, facing southeast

PHOTOGRAPHIC LOG
MR NM Operating, LLC
Water Disposal Flowline Release
July 16 and 22, 2025

Photo 3: Backfilling activities

Photo 4: Backfill progress

PHOTOGRAPHIC LOG
MR NM Operating, LLC
Water Disposal Flowline Release
July 16 and 22, 2025

Photo 5: Backfilled excavation, facing northeast

Photo 6: Backfilled excavation overview, facing southeast

ATTACHMENT D

Laboratory Analytical Reports

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Michael Wicker
CDH Consulting
9446 Clermont St,
Thornton, Colorado 80229

Generated 12/26/2024 3:18:42 PM

JOB DESCRIPTION

WESTALL LINE RELEASE
LOCO HILLS, NM

JOB NUMBER

890-7509-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

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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12/26/2024 3:18:42 PM

Authorized for release by
Jodi Allen, Project Manager I
Jodi.Allen@et.eurofinsus.com
(281)520-2865

Client: CDH Consulting
Project/Site: WESTALL LINE RELEASE

Laboratory Job ID: 890-7509-1
SDG: LOCO HILLS, NM

Table of Contents

Definitions/Glossary

Client: CDH Consulting
Project/Site: WESTALL LINE RELEASE

Job ID: 890-7509-1
SDG: LOCO HILLS, NM

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*1	LCS/LCSD 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.

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: CDH Consulting
Project: WESTALL LINE RELEASE

Job ID: 890-7509-1

Job ID: 890-7509-1 Eurofins Carlsbad

Job Narrative
890-7509-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

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

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

Receipt
The sample was received on 12/20/2024 4:37 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.8°C.

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: SW 04 (890-7509-1).

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

Diesel Range Organics
Method 8015MOD_NM: An incorrect volume of surrogate spiking solution was inadvertently added the following samples: SW 04 (890-7509-1) and (LCSD 880-98818/3-A). Percent recoveries are based on the amount spiked.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (LCS 880-98818/2-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The laboratory control sample duplicate (LCSD) for preparation batch 880-98818 and analytical batch 880-98811 recovered outside control limits for the following analytes: Gasoline Range Organics (GRO)-C6-C10 and Diesel Range Organics (Over C10-C28). These analytes were biased high in the LCSD and were within the control limits for the laboratory control sample (LCS); therefore, the data have been reported.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-98818 and analytical batch 880-98811 was outside the upper control limits.

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

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

Client Sample Results

Client: CDH Consulting
Project/Site: WESTALL LINE RELEASE

Job ID: 890-7509-1
SDG: LOCO HILLS, NM

Client Sample ID: SW 04

Date Collected: 12/20/24 15:09
Date Received: 12/20/24 16:37
Sample Depth: 0 - 4'

Lab Sample ID: 890-7509-1
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		12/26/24 08:36	12/26/24 12:29	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/26/24 08:36	12/26/24 12:29	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/26/24 08:36	12/26/24 12:29	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/26/24 08:36	12/26/24 12:29	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/26/24 08:36	12/26/24 12:29	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/26/24 08:36	12/26/24 12:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*120*		*70 - 130*	*12/26/24 08:36*	*12/26/24 12:29*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*12/26/24 08:36*	*12/26/24 12:29*	*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			12/26/24 12:29	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			12/26/24 15:26	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 *+ *1	50.0		mg/Kg		12/26/24 12:00	12/26/24 15:26	1
Diesel Range Organics (Over C10-C28)	<50.0	U *+ *1	50.0		mg/Kg		12/26/24 12:00	12/26/24 15:26	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/26/24 12:00	12/26/24 15:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*69*	*S1-*	*70 - 130*	*12/26/24 12:00*	*12/26/24 15:26*	*1*
o-Terphenyl	*69*	*S1-*	*70 - 130*	*12/26/24 12:00*	*12/26/24 15:26*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**99.2**		9.98		mg/Kg			12/26/24 12:10	1

Surrogate Summary

Client: CDH Consulting
Project/Site: WESTALL LINE RELEASE

Job ID: 890-7509-1
SDG: LOCO HILLS, NM

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)
890-7509-1	SW 04	120	91
890-7509-1 MS	SW 04	101	96
890-7509-1 MSD	SW 04	99	100
LCS 880-98772/1-A	Lab Control Sample	94	101
LCSD 880-98772/2-A	Lab Control Sample Dup	94	100
MB 880-98772/5-A	Method Blank	108	83

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)
890-7509-1	SW 04	69 S1-	69 S1-
LCS 880-98818/2-A	Lab Control Sample	134 S1+	115
LCSD 880-98818/3-A	Lab Control Sample Dup	166 S1+	141 S1+
MB 880-98818/1-A	Method Blank	136 S1+	133 S1+

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: CDH Consulting
Project/Site: WESTALL LINE RELEASE

Job ID: 890-7509-1
SDG: LOCO HILLS, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-98772/5-A
Matrix: Solid
Analysis Batch: 98774

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 98772

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/26/24 08:36	12/26/24 12:07	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/26/24 08:36	12/26/24 12:07	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/26/24 08:36	12/26/24 12:07	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/26/24 08:36	12/26/24 12:07	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/26/24 08:36	12/26/24 12:07	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/26/24 08:36	12/26/24 12:07	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*12/26/24 08:36*	*12/26/24 12:07*	*1*
1,4-Difluorobenzene (Surr)	*83*		*70 - 130*	*12/26/24 08:36*	*12/26/24 12:07*	*1*

Lab Sample ID: LCS 880-98772/1-A
Matrix: Solid
Analysis Batch: 98774

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 98772

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1093		mg/Kg		109	70 - 130
Ethylbenzene	0.100	0.09946		mg/Kg		99	70 - 130
Toluene	0.100	0.09826		mg/Kg		98	70 - 130
m-Xylene & p-Xylene	0.200	0.1977		mg/Kg		99	70 - 130
o-Xylene	0.100	0.1008		mg/Kg		101	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*

Lab Sample ID: LCSD 880-98772/2-A
Matrix: Solid
Analysis Batch: 98774

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 98772

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1141		mg/Kg		114	70 - 130	4	35
Ethylbenzene	0.100	0.1045		mg/Kg		105	70 - 130	5	35
Toluene	0.100	0.1035		mg/Kg		104	70 - 130	5	35
m-Xylene & p-Xylene	0.200	0.2076		mg/Kg		104	70 - 130	5	35
o-Xylene	0.100	0.1053		mg/Kg		105	70 - 130	4	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*

Lab Sample ID: 890-7509-1 MS
Matrix: Solid
Analysis Batch: 98774

Client Sample ID: SW 04
Prep Type: Total/NA
Prep Batch: 98772

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U	0.0996	0.1039		mg/Kg		104	70 - 130
Ethylbenzene	<0.00199	U	0.0996	0.09343		mg/Kg		94	70 - 130

QC Sample Results

Client: CDH Consulting
Project/Site: WESTALL LINE RELEASE

Job ID: 890-7509-1
SDG: LOCO HILLS, NM

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

Lab Sample ID: 890-7509-1 MS
Matrix: Solid
Analysis Batch: 98774

Client Sample ID: SW 04
Prep Type: Total/NA
Prep Batch: 98772

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Toluene	<0.00199	U	0.0996	0.09379		mg/Kg		94	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.199	0.1856		mg/Kg		93	70 - 130
o-Xylene	<0.00199	U	0.0996	0.09443		mg/Kg		95	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*

Lab Sample ID: 890-7509-1 MSD
Matrix: Solid
Analysis Batch: 98774

Client Sample ID: SW 04
Prep Type: Total/NA
Prep Batch: 98772

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.101	0.1076		mg/Kg		107	70 - 130	4	35
Ethylbenzene	<0.00199	U	0.101	0.09758		mg/Kg		97	70 - 130	4	35
Toluene	<0.00199	U	0.101	0.09792		mg/Kg		97	70 - 130	4	35
m-Xylene & p-Xylene	<0.00398	U	0.202	0.1939		mg/Kg		96	70 - 130	4	35
o-Xylene	<0.00199	U	0.101	0.09873		mg/Kg		98	70 - 130	4	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*

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

Lab Sample ID: MB 880-98818/1-A
Matrix: Solid
Analysis Batch: 98811

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 98818

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		12/26/24 10:00	12/26/24 11:03	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/26/24 10:00	12/26/24 11:03	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/26/24 10:00	12/26/24 11:03	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*136*	*S1+*	*70 - 130*	*12/26/24 10:00*	*12/26/24 11:03*	*1*
o-Terphenyl	*133*	*S1+*	*70 - 130*	*12/26/24 10:00*	*12/26/24 11:03*	*1*

Lab Sample ID: LCS 880-98818/2-A
Matrix: Solid
Analysis Batch: 98811

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 98818

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1097		mg/Kg		110	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1118		mg/Kg		112	70 - 130

Eurofins Carlsbad

QC Sample Results

Client: CDH Consulting
Project/Site: WESTALL LINE RELEASE

Job ID: 890-7509-1
SDG: LOCO HILLS, NM

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

Lab Sample ID: LCS 880-98818/2-A
Matrix: Solid
Analysis Batch: 98811

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 98818

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	134	S1+	70 - 130
o-Terphenyl	115		70 - 130

Lab Sample ID: LCSD 880-98818/3-A
Matrix: Solid
Analysis Batch: 98811

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 98818

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1357	*+ *1	mg/Kg		136	70 - 130	21	20
Diesel Range Organics (Over C10-C28)			1000	1397	*+ *1	mg/Kg		140	70 - 130	22	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	166	S1+	70 - 130
o-Terphenyl	141	S1+	70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-98783/1-A
Matrix: Solid
Analysis Batch: 98786

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			12/26/24 10:43	1

Lab Sample ID: LCS 880-98783/2-A
Matrix: Solid
Analysis Batch: 98786

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	229.4		mg/Kg		92	90 - 110		

Lab Sample ID: LCSD 880-98783/3-A
Matrix: Solid
Analysis Batch: 98786

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	229.8		mg/Kg		92	90 - 110	0	20

QC Association Summary

Client: CDH Consulting
Project/Site: WESTALL LINE RELEASE

Job ID: 890-7509-1
SDG: LOCO HILLS, NM

GC VOA

Prep Batch: 98772

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7509-1	SW 04	Total/NA	Solid	5035	
MB 880-98772/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-98772/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-98772/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-7509-1 MS	SW 04	Total/NA	Solid	5035	
890-7509-1 MSD	SW 04	Total/NA	Solid	5035	

Analysis Batch: 98774

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7509-1	SW 04	Total/NA	Solid	8021B	98772
MB 880-98772/5-A	Method Blank	Total/NA	Solid	8021B	98772
LCS 880-98772/1-A	Lab Control Sample	Total/NA	Solid	8021B	98772
LCSD 880-98772/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	98772
890-7509-1 MS	SW 04	Total/NA	Solid	8021B	98772
890-7509-1 MSD	SW 04	Total/NA	Solid	8021B	98772

Analysis Batch: 98844

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7509-1	SW 04	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 98811

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7509-1	SW 04	Total/NA	Solid	8015B NM	98818
MB 880-98818/1-A	Method Blank	Total/NA	Solid	8015B NM	98818
LCS 880-98818/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	98818
LCSD 880-98818/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	98818

Prep Batch: 98818

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7509-1	SW 04	Total/NA	Solid	8015NM Prep	
MB 880-98818/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-98818/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-98818/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 98868

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7509-1	SW 04	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 98783

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7509-1	SW 04	Soluble	Solid	DI Leach	
MB 880-98783/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-98783/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-98783/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 98786

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7509-1	SW 04	Soluble	Solid	300.0	98783

QC Association Summary

Client: CDH Consulting
Project/Site: WESTALL LINE RELEASE

Job ID: 890-7509-1
SDG: LOCO HILLS, NM

HPLC/IC (Continued)

Analysis Batch: 98786 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-98783/1-A	Method Blank	Soluble	Solid	300.0	98783
LCS 880-98783/2-A	Lab Control Sample	Soluble	Solid	300.0	98783
LCSD 880-98783/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	98783

Lab Chronicle

Client: CDH Consulting
Project/Site: WESTALL LINE RELEASE

Job ID: 890-7509-1
SDG: LOCO HILLS, NM

Client Sample ID: SW 04

Date Collected: 12/20/24 15:09
Date Received: 12/20/24 16:37

Lab Sample ID: 890-7509-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			98772	MNR	EET MID	12/26/24 08:36
Total/NA	Analysis	8021B		1	98774	MNR	EET MID	12/26/24 12:29
Total/NA	Analysis	Total BTEX		1	98844	SM	EET MID	12/26/24 12:29
Total/NA	Analysis	8015 NM		1	98868	SM	EET MID	12/26/24 15:26
Total/NA	Prep	8015NM Prep			98818	TKC	EET MID	12/26/24 12:00
Total/NA	Analysis	8015B NM		1	98811	TKC	EET MID	12/26/24 15:26
Soluble	Leach	DI Leach			98783	CH	EET MID	12/26/24 09:10
Soluble	Analysis	300.0		1	98786	CH	EET MID	12/26/24 12:10

Laboratory References:

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

Accreditation/Certification Summary

Client: CDH Consulting
Job ID: 890-7509-1
Project/Site: WESTALL LINE RELEASE
SDG: LOCO HILLS, NM

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	06-30-25

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
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: CDH Consulting
Project/Site: WESTALL LINE RELEASE

Job ID: 890-7509-1
SDG: LOCO HILLS, NM

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
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: CDH Consulting
Project/Site: WESTALL LINE RELEASE

Job ID: 890-7509-1
SDG: LOCO HILLS, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-7509-1	SW 04	Solid	12/20/24 15:09	12/20/24 16:37	0 - 4'

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Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334
EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199
Little Rock, AR (501) 224-5060

Work Order No: _____

Page 1 of 1

Project Manager:	Michael Wacker	Bill to: (if different)	
Company Name:	COH Consulting	Company Name:	
Address:	9446 Clermont Street	Address:	
City, State ZIP:	Thornton, CO	City, State ZIP:	
Phone:	616-970-8459	Email:	

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

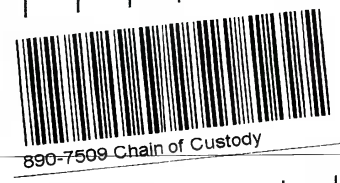
Project Name:	Westall Line Release	Turn Around	
Project Number:		☐ Routine ☒ Rush 24h	
Project Location:	Loco Hills NM	Due Date:	12/26
Sampler's Name:	Elizabeth Nalca	TAT starts the day received by the lab, if received by 4:30pm	
PO #:			

SAMPLE RECEIPT				
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No	
Samples Received Intact:	(Yes) No	Thermometer ID:	Thermo	
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2	
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	6.0	
Total Containers:		Corrected Temperature:	5.8	

Preservative Codes

None: NO | DI Water: H_2O
Cool: Cool | MeOH: Me
HCL: HC | HNO_3
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	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	Parameters: BTEX	TPH	Chloride	Sample Comments
SW04	S	12/20/24	1509	0'-4'	Comp	1		X	X	X	



Total 200.7 / 6010 200.8 / 6020: ~~8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn~~

Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010:** 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg: 1631 / 245.1 / 7470 / 7471

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		12/20 1637	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Eurofins Carlsbad
1089 N Canal St.
Carlsbad, NM 88220
Phone: 575-988-3199 Fax: 575-988-3199

Chain of Custody Record

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Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Allen, Jodi L	Carrier Tracking No(s): N/A	COC No: 890-4449.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Jodi.Allen@et.eurofinsus.com	State of Origin: Texas	Page: Page 1 of 1
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP - Texas		Job #: 890-7509-1
Address: 1211 W. Florida Ave, ,	Due Date Requested: 12/23/2024			Preservation Codes: -
City: Midland	TAT Requested (days): N/A			
State, Zip: TX, 79701				
Phone: 432-704-5440(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: WESTALL LINE RELEASE	Project #: 89000037			
Site: N/A	SSOW#: N/A			Other: N/A

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 (MOD) Full TPH	8015MOD_Calc	300_ORGFM_28D/DI_LEACH Chloride	8021B/5035FP_Calc (MOD) BTEX - LL	Total_BTEX_GCV	Total Number of containers	Special Instructions/Note:
			Preservation Code:										
SW 04 (890-7509-1)	12/20/24	15:09 Central	G	Solid			X	X	X	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	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ 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:	Date/Time:	Company
1		12/23 1630				
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	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: 10/10/2024

Login Sample Receipt Checklist

Client: CDH Consulting

Job Number: 890-7509-1
SDG Number: LOCO HILLS, NM

Login Number: 7509
List Number: 1
Creator: Bruns, Shannon

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: CDH Consulting

Job Number: 890-7509-1
SDG Number: LOCO HILLS, NM

Login Number: 7509
List Number: 2
Creator: Laing, Edmundo

List Source: Eurofins Midland
List Creation: 12/26/24 11:11 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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ANALYTICAL REPORT

PREPARED FOR

Attn: Michael Wicker
CDH Consulting
9446 Clermont St,
Thornton, Colorado 80229

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JOB DESCRIPTION

WESTALL LINE RELEASE
LOCO HILLS

JOB NUMBER

890-7542-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

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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1/7/2025 7:58:26 PM

Authorized for release by
Jodi Allen, Project Manager I
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(281)520-2865

Client: CDH Consulting
Project/Site: WESTALL LINE RELEASE

Laboratory Job ID: 890-7542-1
SDG: LOCO HILLS

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Definitions/Glossary

Client: CDH Consulting
Project/Site: WESTALL LINE RELEASE

Job ID: 890-7542-1
SDG: LOCO HILLS

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
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: CDH Consulting
Project: WESTALL LINE RELEASE

Job ID: 890-7542-1

Job ID: 890-7542-1 Eurofins Carlsbad

Job Narrative
890-7542-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

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

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

Receipt
The samples were received on 1/6/2025 4:20 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.6°C.

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: FS 01 (890-7542-1), FS 02 (890-7542-2), FS 03 (890-7542-3), FS 04 (890-7542-4), FS 05 (890-7542-5), FS 06 (890-7542-6), FS 07 (890-7542-7), FS 08 (890-7542-8), FS 09 (890-7542-9), FS 10 (890-7542-10), FS 11 (890-7542-11), FS 12 (890-7542-12), SW 01 (890-7542-13), SW 02 (890-7542-14), SW 03 (890-7542-15), SW 05 (890-7542-16), SW 06 (890-7542-17), FS 13 (890-7542-18) and FS 14 (890-7542-19).

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

Diesel Range Organics
Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-99660 and analytical batch 880-99659 was outside the upper control limits.

Method 8015MOD_NM: The laboratory control sample (LCS) associated with preparation batch 880-99660 and analytical batch 880-99659 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 8015MOD_NM: An incorrect volume of surrogate spiking solution was inadvertently added the following samples: (LCS 880-99660/2-A) and (LCSD 880-99660/3-A). Percent recoveries are based on the amount spiked.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-99661/2-A) and (LCSD 880-99661/3-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The laboratory control sample (LCS) associated with preparation batch 880-99661 and analytical batch 880-99653 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-99667/2-A) and (LCSD 880-99667/3-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: An incorrect volume of surrogate spiking solution was inadvertently added the following samples: FS 14 (890-7542-19). Percent recoveries are based on the amount spiked.

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: CDH Consulting
Project/Site: WESTALL LINE RELEASE

Job ID: 890-7542-1
SDG: LOCO HILLS

Client Sample ID: FS 01

Lab Sample ID: 890-7542-1
Matrix: Solid
Date Collected: 01/03/25 13:10
Date Received: 01/06/25 16:20
Sample Depth: 4'

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		01/07/25 08:40	01/07/25 11:36	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/07/25 08:40	01/07/25 11:36	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/07/25 08:40	01/07/25 11:36	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		01/07/25 08:40	01/07/25 11:36	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		01/07/25 08:40	01/07/25 11:36	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/07/25 08:40	01/07/25 11:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*01/07/25 08:40*	*01/07/25 11:36*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*01/07/25 08:40*	*01/07/25 11:36*	*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			01/07/25 11:36	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			01/07/25 14:05	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		01/07/25 09:45	01/07/25 14:05	1
Diesel Range Organics (Over C10-C28)	<49.8	U *+	49.8		mg/Kg		01/07/25 09:45	01/07/25 14:05	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		01/07/25 09:45	01/07/25 14:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*105*		*70 - 130*	*01/07/25 09:45*	*01/07/25 14:05*	*1*
o-Terphenyl	*111*		*70 - 130*	*01/07/25 09:45*	*01/07/25 14:05*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**337**		10.0		mg/Kg			01/07/25 10:48	1

Client Sample ID: FS 02

Lab Sample ID: 890-7542-2
Matrix: Solid
Date Collected: 01/03/25 13:00
Date Received: 01/06/25 16:20
Sample Depth: 4'

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		01/07/25 08:40	01/07/25 11:56	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		01/07/25 08:40	01/07/25 11:56	1
Toluene	<0.00201	U	0.00201		mg/Kg		01/07/25 08:40	01/07/25 11:56	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		01/07/25 08:40	01/07/25 11:56	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		01/07/25 08:40	01/07/25 11:56	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		01/07/25 08:40	01/07/25 11:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*	*01/07/25 08:40*	*01/07/25 11:56*	*1*

Client Sample Results

Client: CDH Consulting
Project/Site: WESTALL LINE RELEASE

Job ID: 890-7542-1
SDG: LOCO HILLS

Client Sample ID: FS 02

Lab Sample ID: 890-7542-2
Matrix: Solid
Date Collected: 01/03/25 13:00
Date Received: 01/06/25 16:20
Sample Depth: 4'

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*01/07/25 08:40*	*01/07/25 11:56*	*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			01/07/25 11:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			01/07/25 14:20	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)-C6-C10	<50.0	U *+	50.0		mg/Kg		01/07/25 09:45	01/07/25 14:20	1
Diesel Range Organics (Over C10-C28)	<50.0	U *+	50.0		mg/Kg		01/07/25 09:45	01/07/25 14:20	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/07/25 09:45	01/07/25 14:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	*109*		*70 - 130*	*01/07/25 09:45*	*01/07/25 14:20*	*1*
o-Terphenyl	*112*		*70 - 130*	*01/07/25 09:45*	*01/07/25 14:20*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**396**		9.92		mg/Kg			01/07/25 10:54	1

Client Sample ID: FS 03

Lab Sample ID: 890-7542-3
Matrix: Solid
Date Collected: 01/03/25 12:50
Date Received: 01/06/25 16:20
Sample Depth: 4'

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		01/07/25 08:40	01/07/25 12:17	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/07/25 08:40	01/07/25 12:17	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/07/25 08:40	01/07/25 12:17	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/07/25 08:40	01/07/25 12:17	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/07/25 08:40	01/07/25 12:17	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/07/25 08:40	01/07/25 12:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*	*01/07/25 08:40*	*01/07/25 12:17*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*01/07/25 08:40*	*01/07/25 12:17*	*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			01/07/25 12:17	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			01/07/25 14:36	1

Client Sample Results

Client: CDH Consulting
Project/Site: WESTALL LINE RELEASE

Job ID: 890-7542-1
SDG: LOCO HILLS

Client Sample ID: FS 03

Lab Sample ID: 890-7542-3
Matrix: Solid
Date Collected: 01/03/25 12:50
Date Received: 01/06/25 16:20
Sample Depth: 4'

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		01/07/25 09:45	01/07/25 14:36	1
Diesel Range Organics (Over C10-C28)	<49.8	U *+	49.8		mg/Kg		01/07/25 09:45	01/07/25 14:36	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		01/07/25 09:45	01/07/25 14:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*99*		*70 - 130*	*01/07/25 09:45*	*01/07/25 14:36*	*1*
o-Terphenyl	*103*		*70 - 130*	*01/07/25 09:45*	*01/07/25 14:36*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1170		9.92		mg/Kg			01/07/25 10:59	1

Client Sample ID: FS 04

Lab Sample ID: 890-7542-4
Matrix: Solid
Date Collected: 01/03/25 12:40
Date Received: 01/06/25 16:20
Sample Depth: 4'

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		01/07/25 08:40	01/07/25 12:37	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		01/07/25 08:40	01/07/25 12:37	1
Toluene	<0.00201	U	0.00201		mg/Kg		01/07/25 08:40	01/07/25 12:37	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		01/07/25 08:40	01/07/25 12:37	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		01/07/25 08:40	01/07/25 12:37	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		01/07/25 08:40	01/07/25 12:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*	*01/07/25 08:40*	*01/07/25 12:37*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*01/07/25 08:40*	*01/07/25 12:37*	*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			01/07/25 12:37	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			01/07/25 14:52	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		01/07/25 09:45	01/07/25 14:52	1
Diesel Range Organics (Over C10-C28)	<49.8	U *+	49.8		mg/Kg		01/07/25 09:45	01/07/25 14:52	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		01/07/25 09:45	01/07/25 14:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*103*		*70 - 130*	*01/07/25 09:45*	*01/07/25 14:52*	*1*
o-Terphenyl	*106*		*70 - 130*	*01/07/25 09:45*	*01/07/25 14:52*	*1*

Client Sample Results

Client: CDH Consulting
Project/Site: WESTALL LINE RELEASE

Job ID: 890-7542-1
SDG: LOCO HILLS

Client Sample ID: FS 04

Lab Sample ID: 890-7542-4
Matrix: Solid
Date Collected: 01/03/25 12:40
Date Received: 01/06/25 16:20
Sample Depth: 4'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	978		9.96		mg/Kg			01/07/25 11:05	1

Client Sample ID: FS 05

Lab Sample ID: 890-7542-5
Matrix: Solid
Date Collected: 01/03/25 12:30
Date Received: 01/06/25 16:20
Sample Depth: 4'

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		01/07/25 08:40	01/07/25 12:58	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/07/25 08:40	01/07/25 12:58	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/07/25 08:40	01/07/25 12:58	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/07/25 08:40	01/07/25 12:58	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/07/25 08:40	01/07/25 12:58	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/07/25 08:40	01/07/25 12:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*	*01/07/25 08:40*	*01/07/25 12:58*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*01/07/25 08:40*	*01/07/25 12:58*	*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			01/07/25 12:58	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			01/07/25 15:08	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		01/07/25 09:45	01/07/25 15:08	1
Diesel Range Organics (Over C10-C28)	<49.7	U *+	49.7		mg/Kg		01/07/25 09:45	01/07/25 15:08	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		01/07/25 09:45	01/07/25 15:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*105*		*70 - 130*	*01/07/25 09:45*	*01/07/25 15:08*	*1*
o-Terphenyl	*111*		*70 - 130*	*01/07/25 09:45*	*01/07/25 15:08*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2020		49.7		mg/Kg			01/07/25 13:04	5

Client Sample Results

Client: CDH Consulting
Project/Site: WESTALL LINE RELEASE

Job ID: 890-7542-1
SDG: LOCO HILLS

Client Sample ID: FS 06

Lab Sample ID: 890-7542-6
Matrix: Solid
Date Collected: 01/03/25 12:20
Date Received: 01/06/25 16:20
Sample Depth: 4'

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		01/07/25 08:40	01/07/25 13:18	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		01/07/25 08:40	01/07/25 13:18	1
Toluene	<0.00201	U	0.00201		mg/Kg		01/07/25 08:40	01/07/25 13:18	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		01/07/25 08:40	01/07/25 13:18	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		01/07/25 08:40	01/07/25 13:18	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		01/07/25 08:40	01/07/25 13:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*	*01/07/25 08:40*	*01/07/25 13:18*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*01/07/25 08:40*	*01/07/25 13:18*	*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			01/07/25 13:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			01/07/25 15:39	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	<49.7	U *+	49.7		mg/Kg		01/07/25 09:45	01/07/25 15:39	1
Diesel Range Organics (Over C10-C28)	<49.7	U *+	49.7		mg/Kg		01/07/25 09:45	01/07/25 15:39	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		01/07/25 09:45	01/07/25 15:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*106*		*70 - 130*	*01/07/25 09:45*	*01/07/25 15:39*	*1*
o-Terphenyl	*112*		*70 - 130*	*01/07/25 09:45*	*01/07/25 15:39*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**397**		9.92		mg/Kg			01/07/25 11:28	1

Client Sample ID: FS 07

Lab Sample ID: 890-7542-7
Matrix: Solid
Date Collected: 01/03/25 13:15
Date Received: 01/06/25 16:20
Sample Depth: 4'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		01/07/25 08:40	01/07/25 13:39	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		01/07/25 08:40	01/07/25 13:39	1
Toluene	<0.00202	U	0.00202		mg/Kg		01/07/25 08:40	01/07/25 13:39	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		01/07/25 08:40	01/07/25 13:39	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		01/07/25 08:40	01/07/25 13:39	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		01/07/25 08:40	01/07/25 13:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*	*01/07/25 08:40*	*01/07/25 13:39*	*1*

Client Sample Results

Client: CDH Consulting
Project/Site: WESTALL LINE RELEASE

Job ID: 890-7542-1
SDG: LOCO HILLS

Client Sample ID: FS 07

Lab Sample ID: 890-7542-7
Matrix: Solid
Date Collected: 01/03/25 13:15
Date Received: 01/06/25 16:20
Sample Depth: 4'

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*01/07/25 08:40*	*01/07/25 13:39*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			01/07/25 13:39	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			01/07/25 15:56	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	<49.9	U *+	49.9		mg/Kg		01/07/25 09:45	01/07/25 15:56	1
Diesel Range Organics (Over C10-C28)	<49.9	U *+	49.9		mg/Kg		01/07/25 09:45	01/07/25 15:56	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/07/25 09:45	01/07/25 15:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*101*		*70 - 130*	*01/07/25 09:45*	*01/07/25 15:56*	*1*
o-Terphenyl	*104*		*70 - 130*	*01/07/25 09:45*	*01/07/25 15:56*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**235**		10.1		mg/Kg			01/07/25 11:34	1

Client Sample ID: FS 08

Lab Sample ID: 890-7542-8
Matrix: Solid
Date Collected: 01/03/25 13:05
Date Received: 01/06/25 16:20
Sample Depth: 4'

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		01/07/25 08:40	01/07/25 13:59	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		01/07/25 08:40	01/07/25 13:59	1
Toluene	<0.00198	U	0.00198		mg/Kg		01/07/25 08:40	01/07/25 13:59	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		01/07/25 08:40	01/07/25 13:59	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		01/07/25 08:40	01/07/25 13:59	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		01/07/25 08:40	01/07/25 13:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*01/07/25 08:40*	*01/07/25 13:59*	*1*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*	*01/07/25 08:40*	*01/07/25 13:59*	*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			01/07/25 13:59	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			01/07/25 16:11	1

Eurofins Carlsbad

Client Sample Results

Client: CDH Consulting
Project/Site: WESTALL LINE RELEASE

Job ID: 890-7542-1
SDG: LOCO HILLS

Client Sample ID: FS 08

Lab Sample ID: 890-7542-8
Matrix: Solid
Date Collected: 01/03/25 13:05
Date Received: 01/06/25 16:20
Sample Depth: 4'

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		01/07/25 09:45	01/07/25 16:11	1
Diesel Range Organics (Over C10-C28)	<49.8	U *+	49.8		mg/Kg		01/07/25 09:45	01/07/25 16:11	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		01/07/25 09:45	01/07/25 16:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*107*		*70 - 130*	*01/07/25 09:45*	*01/07/25 16:11*	*1*
o-Terphenyl	*111*		*70 - 130*	*01/07/25 09:45*	*01/07/25 16:11*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**304**		10.1		mg/Kg			01/07/25 11:39	1

Client Sample ID: FS 09

Lab Sample ID: 890-7542-9
Matrix: Solid
Date Collected: 01/03/25 12:55
Date Received: 01/06/25 16:20
Sample Depth: 4'

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		01/07/25 08:40	01/07/25 14:20	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/07/25 08:40	01/07/25 14:20	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/07/25 08:40	01/07/25 14:20	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/07/25 08:40	01/07/25 14:20	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/07/25 08:40	01/07/25 14:20	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/07/25 08:40	01/07/25 14:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*01/07/25 08:40*	*01/07/25 14:20*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*01/07/25 08:40*	*01/07/25 14:20*	*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			01/07/25 14:20	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			01/07/25 16:28	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		01/07/25 09:45	01/07/25 16:28	1
Diesel Range Organics (Over C10-C28)	<49.8	U *+	49.8		mg/Kg		01/07/25 09:45	01/07/25 16:28	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		01/07/25 09:45	01/07/25 16:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*104*		*70 - 130*	*01/07/25 09:45*	*01/07/25 16:28*	*1*
o-Terphenyl	*108*		*70 - 130*	*01/07/25 09:45*	*01/07/25 16:28*	*1*

Client Sample Results

Client: CDH Consulting
Project/Site: WESTALL LINE RELEASE

Job ID: 890-7542-1
SDG: LOCO HILLS

Client Sample ID: FS 09

Lab Sample ID: 890-7542-9
Matrix: Solid
Date Collected: 01/03/25 12:55
Date Received: 01/06/25 16:20
Sample Depth: 4'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	244		10.1		mg/Kg			01/07/25 11:45	1

Client Sample ID: FS 10

Lab Sample ID: 890-7542-10
Matrix: Solid
Date Collected: 01/03/25 12:45
Date Received: 01/06/25 16:20
Sample Depth: 4'

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		01/07/25 08:40	01/07/25 14:40	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/07/25 08:40	01/07/25 14:40	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/07/25 08:40	01/07/25 14:40	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/07/25 08:40	01/07/25 14:40	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/07/25 08:40	01/07/25 14:40	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/07/25 08:40	01/07/25 14:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*	*01/07/25 08:40*	*01/07/25 14:40*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*01/07/25 08:40*	*01/07/25 14:40*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			01/07/25 14:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/07/25 16:44	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		01/07/25 09:45	01/07/25 16:44	1
Diesel Range Organics (Over C10-C28)	<49.9	U *+	49.9		mg/Kg		01/07/25 09:45	01/07/25 16:44	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/07/25 09:45	01/07/25 16:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*116*		*70 - 130*	*01/07/25 09:45*	*01/07/25 16:44*	*1*
o-Terphenyl	*120*		*70 - 130*	*01/07/25 09:45*	*01/07/25 16:44*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	243		10.1		mg/Kg			01/07/25 11:51	1

Client Sample Results

Client: CDH Consulting
Project/Site: WESTALL LINE RELEASE

Job ID: 890-7542-1
SDG: LOCO HILLS

Client Sample ID: FS 11

Lab Sample ID: 890-7542-11
Matrix: Solid
Date Collected: 01/03/25 12:35
Date Received: 01/06/25 16:20
Sample Depth: 4'

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		01/07/25 08:46	01/07/25 11:35	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/07/25 08:46	01/07/25 11:35	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/07/25 08:46	01/07/25 11:35	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		01/07/25 08:46	01/07/25 11:35	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		01/07/25 08:46	01/07/25 11:35	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/07/25 08:46	01/07/25 11:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*01/07/25 08:46*	*01/07/25 11:35*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*01/07/25 08:46*	*01/07/25 11:35*	*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			01/07/25 11:35	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			01/07/25 17:01	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		01/07/25 09:45	01/07/25 17:01	1
Diesel Range Organics (Over C10-C28)	<49.7	U *+	49.7		mg/Kg		01/07/25 09:45	01/07/25 17:01	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		01/07/25 09:45	01/07/25 17:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*102*		*70 - 130*	*01/07/25 09:45*	*01/07/25 17:01*	*1*
o-Terphenyl	*106*		*70 - 130*	*01/07/25 09:45*	*01/07/25 17:01*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**325**		10.1		mg/Kg			01/07/25 12:08	1

Client Sample ID: FS 12

Lab Sample ID: 890-7542-12
Matrix: Solid
Date Collected: 01/03/25 12:25
Date Received: 01/06/25 16:20
Sample Depth: 4'

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		01/07/25 08:46	01/07/25 11:55	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		01/07/25 08:46	01/07/25 11:55	1
Toluene	<0.00201	U	0.00201		mg/Kg		01/07/25 08:46	01/07/25 11:55	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		01/07/25 08:46	01/07/25 11:55	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		01/07/25 08:46	01/07/25 11:55	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		01/07/25 08:46	01/07/25 11:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*01/07/25 08:46*	*01/07/25 11:55*	*1*

Client Sample Results

Client: CDH Consulting
Project/Site: WESTALL LINE RELEASE

Job ID: 890-7542-1
SDG: LOCO HILLS

Client Sample ID: FS 12

Lab Sample ID: 890-7542-12
Matrix: Solid
Date Collected: 01/03/25 12:25
Date Received: 01/06/25 16:20
Sample Depth: 4'

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*01/07/25 08:46*	*01/07/25 11:55*	*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			01/07/25 11:55	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			01/07/25 17:16	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		01/07/25 09:45	01/07/25 17:16	1
Diesel Range Organics (Over C10-C28)	<50.0	U *+	50.0		mg/Kg		01/07/25 09:45	01/07/25 17:16	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/07/25 09:45	01/07/25 17:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*109*		*70 - 130*	*01/07/25 09:45*	*01/07/25 17:16*	*1*
o-Terphenyl	*114*		*70 - 130*	*01/07/25 09:45*	*01/07/25 17:16*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**581**		9.94		mg/Kg			01/07/25 12:13	1

Client Sample ID: SW 01

Lab Sample ID: 890-7542-13
Matrix: Solid
Date Collected: 01/03/25 14:40
Date Received: 01/06/25 16:20
Sample Depth: 0' - 4'

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		01/07/25 08:46	01/07/25 12:16	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/07/25 08:46	01/07/25 12:16	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/07/25 08:46	01/07/25 12:16	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/07/25 08:46	01/07/25 12:16	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/07/25 08:46	01/07/25 12:16	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/07/25 08:46	01/07/25 12:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*01/07/25 08:46*	*01/07/25 12:16*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*01/07/25 08:46*	*01/07/25 12:16*	*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			01/07/25 12:16	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			01/07/25 17:33	1

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Client Sample Results

Client: CDH Consulting
Project/Site: WESTALL LINE RELEASE

Job ID: 890-7542-1
SDG: LOCO HILLS

Client Sample ID: SW 01

Lab Sample ID: 890-7542-13
Matrix: Solid
Date Collected: 01/03/25 14:40
Date Received: 01/06/25 16:20
Sample Depth: 0' - 4'

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		01/07/25 09:45	01/07/25 17:33	1
Diesel Range Organics (Over C10-C28)	<49.8	U *+	49.8		mg/Kg		01/07/25 09:45	01/07/25 17:33	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		01/07/25 09:45	01/07/25 17:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*105*		*70 - 130*	*01/07/25 09:45*	*01/07/25 17:33*	*1*
o-Terphenyl	*109*		*70 - 130*	*01/07/25 09:45*	*01/07/25 17:33*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**261**		9.90		mg/Kg			01/07/25 12:30	1

Client Sample ID: SW 02

Lab Sample ID: 890-7542-14
Matrix: Solid
Date Collected: 01/03/25 14:45
Date Received: 01/06/25 16:20
Sample Depth: 0' - 4'

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		01/07/25 08:46	01/07/25 12:36	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		01/07/25 08:46	01/07/25 12:36	1
Toluene	<0.00201	U	0.00201		mg/Kg		01/07/25 08:46	01/07/25 12:36	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		01/07/25 08:46	01/07/25 12:36	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		01/07/25 08:46	01/07/25 12:36	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		01/07/25 08:46	01/07/25 12:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*01/07/25 08:46*	*01/07/25 12:36*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*01/07/25 08:46*	*01/07/25 12:36*	*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			01/07/25 12:36	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			01/07/25 17:48	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		01/07/25 09:45	01/07/25 17:48	1
Diesel Range Organics (Over C10-C28)	<49.8	U *+	49.8		mg/Kg		01/07/25 09:45	01/07/25 17:48	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		01/07/25 09:45	01/07/25 17:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*101*		*70 - 130*	*01/07/25 09:45*	*01/07/25 17:48*	*1*
o-Terphenyl	*105*		*70 - 130*	*01/07/25 09:45*	*01/07/25 17:48*	*1*

Client Sample Results

Client: CDH Consulting
Project/Site: WESTALL LINE RELEASE

Job ID: 890-7542-1
SDG: LOCO HILLS

Client Sample ID: SW 02

Lab Sample ID: 890-7542-14
Matrix: Solid
Date Collected: 01/03/25 14:45
Date Received: 01/06/25 16:20
Sample Depth: 0' - 4'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	796		10.0		mg/Kg			01/07/25 12:36	1

Client Sample ID: SW 03

Lab Sample ID: 890-7542-15
Matrix: Solid
Date Collected: 01/03/25 13:20
Date Received: 01/06/25 16:20
Sample Depth: 0' - 4'

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		01/07/25 08:46	01/07/25 12:57	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/07/25 08:46	01/07/25 12:57	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/07/25 08:46	01/07/25 12:57	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/07/25 08:46	01/07/25 12:57	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/07/25 08:46	01/07/25 12:57	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/07/25 08:46	01/07/25 12:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*01/07/25 08:46*	*01/07/25 12:57*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*01/07/25 08:46*	*01/07/25 12:57*	*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			01/07/25 12:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			01/07/25 18:04	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		01/07/25 09:45	01/07/25 18:04	1
Diesel Range Organics (Over C10-C28)	<49.8	U *+	49.8		mg/Kg		01/07/25 09:45	01/07/25 18:04	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		01/07/25 09:45	01/07/25 18:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*100*		*70 - 130*	*01/07/25 09:45*	*01/07/25 18:04*	*1*
o-Terphenyl	*105*		*70 - 130*	*01/07/25 09:45*	*01/07/25 18:04*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	208		9.96		mg/Kg			01/07/25 12:42	1

Client Sample Results

Client: CDH Consulting
Project/Site: WESTALL LINE RELEASE

Job ID: 890-7542-1
SDG: LOCO HILLS

Client Sample ID: SW 05

Lab Sample ID: 890-7542-16
Matrix: Solid
Date Collected: 01/03/25 14:30
Date Received: 01/06/25 16:20
Sample Depth: 0' - 4'

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		01/07/25 08:46	01/07/25 13:17	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		01/07/25 08:46	01/07/25 13:17	1
Toluene	<0.00201	U	0.00201		mg/Kg		01/07/25 08:46	01/07/25 13:17	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		01/07/25 08:46	01/07/25 13:17	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		01/07/25 08:46	01/07/25 13:17	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		01/07/25 08:46	01/07/25 13:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*127*		*70 - 130*	*01/07/25 08:46*	*01/07/25 13:17*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*01/07/25 08:46*	*01/07/25 13:17*	*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			01/07/25 13:17	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			01/07/25 19:31	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	<49.9	U *+	49.9		mg/Kg		01/07/25 09:48	01/07/25 19:31	1
Diesel Range Organics (Over C10-C28)	<49.9	U *+	49.9		mg/Kg		01/07/25 09:48	01/07/25 19:31	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/07/25 09:48	01/07/25 19:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*75*		*70 - 130*	*01/07/25 09:48*	*01/07/25 19:31*	*1*
o-Terphenyl	*76*		*70 - 130*	*01/07/25 09:48*	*01/07/25 19:31*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**211**		9.92		mg/Kg			01/07/25 12:47	1

Client Sample ID: SW 06

Lab Sample ID: 890-7542-17
Matrix: Solid
Date Collected: 01/03/25 14:35
Date Received: 01/06/25 16:20
Sample Depth: 0' - 4'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		01/07/25 08:46	01/07/25 13:38	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		01/07/25 08:46	01/07/25 13:38	1
Toluene	<0.00202	U	0.00202		mg/Kg		01/07/25 08:46	01/07/25 13:38	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		01/07/25 08:46	01/07/25 13:38	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		01/07/25 08:46	01/07/25 13:38	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		01/07/25 08:46	01/07/25 13:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*01/07/25 08:46*	*01/07/25 13:38*	*1*

Client Sample Results

Client: CDH Consulting
Project/Site: WESTALL LINE RELEASE

Job ID: 890-7542-1
SDG: LOCO HILLS

Client Sample ID: SW 06

Lab Sample ID: 890-7542-17
Matrix: Solid
Date Collected: 01/03/25 14:35
Date Received: 01/06/25 16:20
Sample Depth: 0' - 4'

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*01/07/25 08:46*	*01/07/25 13:38*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			01/07/25 13:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			01/07/25 20:16	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		01/07/25 09:48	01/07/25 20:16	1
Diesel Range Organics (Over C10-C28)	<49.7	U *+	49.7		mg/Kg		01/07/25 09:48	01/07/25 20:16	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		01/07/25 09:48	01/07/25 20:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*80*		*70 - 130*	*01/07/25 09:48*	*01/07/25 20:16*	*1*
o-Terphenyl	*78*		*70 - 130*	*01/07/25 09:48*	*01/07/25 20:16*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**439**		9.94		mg/Kg			01/07/25 12:53	1

Client Sample ID: FS 13

Lab Sample ID: 890-7542-18
Matrix: Solid
Date Collected: 01/03/25 15:40
Date Received: 01/06/25 16:20
Sample Depth: 4'

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		01/07/25 08:46	01/07/25 13:58	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		01/07/25 08:46	01/07/25 13:58	1
Toluene	<0.00198	U	0.00198		mg/Kg		01/07/25 08:46	01/07/25 13:58	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		01/07/25 08:46	01/07/25 13:58	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		01/07/25 08:46	01/07/25 13:58	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		01/07/25 08:46	01/07/25 13:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*01/07/25 08:46*	*01/07/25 13:58*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*01/07/25 08:46*	*01/07/25 13:58*	*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			01/07/25 13:58	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			01/07/25 20:30	1

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Client Sample Results

Client: CDH Consulting
Project/Site: WESTALL LINE RELEASE

Job ID: 890-7542-1
SDG: LOCO HILLS

Client Sample ID: FS 13

Lab Sample ID: 890-7542-18
Matrix: Solid
Date Collected: 01/03/25 15:40
Date Received: 01/06/25 16:20
Sample Depth: 4'

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		01/07/25 09:48	01/07/25 20:30	1
Diesel Range Organics (Over C10-C28)	<49.9	U *+	49.9		mg/Kg		01/07/25 09:48	01/07/25 20:30	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/07/25 09:48	01/07/25 20:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*79*		*70 - 130*	*01/07/25 09:48*	*01/07/25 20:30*	*1*
o-Terphenyl	*76*		*70 - 130*	*01/07/25 09:48*	*01/07/25 20:30*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1800**		49.6		mg/Kg			01/07/25 12:59	5

Client Sample ID: FS 14

Lab Sample ID: 890-7542-19
Matrix: Solid
Date Collected: 01/03/25 15:45
Date Received: 01/06/25 16:20
Sample Depth: 4'

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		01/07/25 08:46	01/07/25 14:19	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/07/25 08:46	01/07/25 14:19	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/07/25 08:46	01/07/25 14:19	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/07/25 08:46	01/07/25 14:19	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/07/25 08:46	01/07/25 14:19	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/07/25 08:46	01/07/25 14:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*01/07/25 08:46*	*01/07/25 14:19*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*01/07/25 08:46*	*01/07/25 14:19*	*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			01/07/25 14:19	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			01/07/25 20:16	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		01/07/25 10:51	01/07/25 20:16	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		01/07/25 10:51	01/07/25 20:16	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		01/07/25 10:51	01/07/25 20:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*67*	*S1-*	*70 - 130*	*01/07/25 10:51*	*01/07/25 20:16*	*1*
o-Terphenyl	*69*	*S1-*	*70 - 130*	*01/07/25 10:51*	*01/07/25 20:16*	*1*

Client Sample Results

Client: CDH Consulting
Project/Site: WESTALL LINE RELEASE

Job ID: 890-7542-1
SDG: LOCO HILLS

Client Sample ID: FS 14
Date Collected: 01/03/25 15:45
Date Received: 01/06/25 16:20
Sample Depth: 4'

Lab Sample ID: 890-7542-19
Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	556		10.0		mg/Kg			01/07/25 13:10	1

Surrogate Summary

Client: CDH Consulting
Project/Site: WESTALL LINE RELEASE

Job ID: 890-7542-1
SDG: LOCO HILLS

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)
890-7542-1	FS 01	102	98
890-7542-1 MS	FS 01	112	102
890-7542-1 MSD	FS 01	116	102
890-7542-2	FS 02	116	104
890-7542-3	FS 03	115	105
890-7542-4	FS 04	118	105
890-7542-5	FS 05	116	104
890-7542-6	FS 06	117	104
890-7542-7	FS 07	119	105
890-7542-8	FS 08	113	106
890-7542-9	FS 09	107	99
890-7542-10	FS 10	116	105
890-7542-11	FS 11	109	97
890-7542-11 MS	FS 11	114	97
890-7542-11 MSD	FS 11	111	98
890-7542-12	FS 12	107	95
890-7542-13	SW 01	98	94
890-7542-14	SW 02	102	94
890-7542-15	SW 03	96	98
890-7542-16	SW 05	127	90
890-7542-17	SW 06	107	95
890-7542-18	FS 13	103	100
890-7542-19	FS 14	109	98
LCS 880-99630/1-A	Lab Control Sample	113	102
LCS 880-99633/1-A	Lab Control Sample	110	97
LCSD 880-99630/2-A	Lab Control Sample Dup	115	102
LCSD 880-99633/2-A	Lab Control Sample Dup	96	101
MB 880-99630/5-A	Method Blank	109	102
MB 880-99633/5-A	Method Blank	86	91

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)
890-7542-1	FS 01	105	111
890-7542-2	FS 02	109	112
890-7542-3	FS 03	99	103
890-7542-4	FS 04	103	106
890-7542-5	FS 05	105	111
890-7542-6	FS 06	106	112
890-7542-7	FS 07	101	104
890-7542-8	FS 08	107	111
890-7542-9	FS 09	104	108
890-7542-10	FS 10	116	120

Surrogate Summary

Client: CDH Consulting Job ID: 890-7542-1
Project/Site: WESTALL LINE RELEASE SDG: LOCO HILLS

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)										
890-7542-11	FS 11	102	106										
890-7542-12	FS 12	109	114										
890-7542-13	SW 01	105	109										
890-7542-14	SW 02	101	105										
890-7542-15	SW 03	100	105										
890-7542-16	SW 05	75	76										
890-7542-16 MS	SW 05	84	81										
890-7542-16 MSD	SW 05	85	79										
890-7542-17	SW 06	80	78										
890-7542-18	FS 13	79	76										
890-7542-19	FS 14	67 S1-	69 S1-										
LCS 880-99660/2-A	Lab Control Sample	144 S1+	158 S1+										
LCS 880-99661/2-A	Lab Control Sample	155 S1+	147 S1+										
LCS 880-99667/2-A	Lab Control Sample	136 S1+	128										
LCSD 880-99660/3-A	Lab Control Sample Dup	152 S1+	162 S1+										
LCSD 880-99661/3-A	Lab Control Sample Dup	164 S1+	155 S1+										
LCSD 880-99667/3-A	Lab Control Sample Dup	137 S1+	130										
MB 880-99660/1-A	Method Blank	150 S1+	152 S1+										
MB 880-99661/1-A	Method Blank	112	114										
MB 880-99667/1-A	Method Blank	107	110										

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: CDH Consulting
Project/Site: WESTALL LINE RELEASE

Job ID: 890-7542-1
SDG: LOCO HILLS

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-99630/5-A
Matrix: Solid
Analysis Batch: 99626

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 99630

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/07/25 08:40	01/07/25 11:14	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/07/25 08:40	01/07/25 11:14	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/07/25 08:40	01/07/25 11:14	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/07/25 08:40	01/07/25 11:14	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/07/25 08:40	01/07/25 11:14	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/07/25 08:40	01/07/25 11:14	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*01/07/25 08:40*	*01/07/25 11:14*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*01/07/25 08:40*	*01/07/25 11:14*	*1*

Lab Sample ID: LCS 880-99630/1-A
Matrix: Solid
Analysis Batch: 99626

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 99630

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1038		mg/Kg		104	70 - 130		
Ethylbenzene			0.100	0.1019		mg/Kg		102	70 - 130		
Toluene			0.100	0.1022		mg/Kg		102	70 - 130		
m-Xylene & p-Xylene			0.200	0.2079		mg/Kg		104	70 - 130		
o-Xylene			0.100	0.1070		mg/Kg		107	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*

Lab Sample ID: LCSD 880-99630/2-A
Matrix: Solid
Analysis Batch: 99626

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 99630

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1101		mg/Kg		110	70 - 130	6	35
Ethylbenzene			0.100	0.1077		mg/Kg		108	70 - 130	5	35
Toluene			0.100	0.1083		mg/Kg		108	70 - 130	6	35
m-Xylene & p-Xylene			0.200	0.2194		mg/Kg		110	70 - 130	5	35
o-Xylene			0.100	0.1129		mg/Kg		113	70 - 130	5	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*

Lab Sample ID: 890-7542-1 MS
Matrix: Solid
Analysis Batch: 99626

Client Sample ID: FS 01
Prep Type: Total/NA
Prep Batch: 99630

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00200	U	0.100	0.1061		mg/Kg		106	70 - 130		
Ethylbenzene	<0.00200	U	0.100	0.1033		mg/Kg		103	70 - 130		

QC Sample Results

Client: CDH Consulting
Project/Site: WESTALL LINE RELEASE

Job ID: 890-7542-1
SDG: LOCO HILLS

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

Lab Sample ID: 890-7542-1 MS
Matrix: Solid
Analysis Batch: 99626

Client Sample ID: FS 01
Prep Type: Total/NA
Prep Batch: 99630

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Toluene	<0.00200	U	0.100	0.1041		mg/Kg		104	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.200	0.2098		mg/Kg		105	70 - 130
o-Xylene	<0.00200	U	0.100	0.1076		mg/Kg		108	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*

Lab Sample ID: 890-7542-1 MSD
Matrix: Solid
Analysis Batch: 99626

Client Sample ID: FS 01
Prep Type: Total/NA
Prep Batch: 99630

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.100	0.1070		mg/Kg		107	70 - 130	1	35
Ethylbenzene	<0.00200	U	0.100	0.1038		mg/Kg		104	70 - 130	0	35
Toluene	<0.00200	U	0.100	0.1047		mg/Kg		105	70 - 130	1	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.2114		mg/Kg		106	70 - 130	1	35
o-Xylene	<0.00200	U	0.100	0.1082		mg/Kg		108	70 - 130	1	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*

Lab Sample ID: MB 880-99633/5-A
Matrix: Solid
Analysis Batch: 99625

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 99633

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/07/25 08:46	01/07/25 11:13	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/07/25 08:46	01/07/25 11:13	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/07/25 08:46	01/07/25 11:13	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/07/25 08:46	01/07/25 11:13	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/07/25 08:46	01/07/25 11:13	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/07/25 08:46	01/07/25 11:13	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*86*		*70 - 130*	*01/07/25 08:46*	*01/07/25 11:13*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*01/07/25 08:46*	*01/07/25 11:13*	*1*

Lab Sample ID: LCS 880-99633/1-A
Matrix: Solid
Analysis Batch: 99625

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 99633

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1084		mg/Kg		108	70 - 130
Ethylbenzene	0.100	0.1074		mg/Kg		107	70 - 130
Toluene	0.100	0.1094		mg/Kg		109	70 - 130
m-Xylene & p-Xylene	0.200	0.2069		mg/Kg		103	70 - 130

QC Sample Results

Client: CDH Consulting
Project/Site: WESTALL LINE RELEASE

Job ID: 890-7542-1
SDG: LOCO HILLS

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

Lab Sample ID: LCS 880-99633/1-A
Matrix: Solid
Analysis Batch: 99625

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 99633

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
o-Xylene			0.100	0.1147		mg/Kg		115	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*

Lab Sample ID: LCSD 880-99633/2-A
Matrix: Solid
Analysis Batch: 99625

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 99633

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1013		mg/Kg		101	70 - 130	7	35
Ethylbenzene			0.100	0.1031		mg/Kg		103	70 - 130	4	35
Toluene			0.100	0.1065		mg/Kg		106	70 - 130	3	35
m-Xylene & p-Xylene			0.200	0.1968		mg/Kg		98	70 - 130	5	35
o-Xylene			0.100	0.1084		mg/Kg		108	70 - 130	6	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*

Lab Sample ID: 890-7542-11 MS
Matrix: Solid
Analysis Batch: 99625

Client Sample ID: FS 11
Prep Type: Total/NA
Prep Batch: 99633

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00200	U	0.100	0.1125		mg/Kg		112	70 - 130		
Ethylbenzene	<0.00200	U	0.100	0.1100		mg/Kg		110	70 - 130		
Toluene	<0.00200	U	0.100	0.1129		mg/Kg		113	70 - 130		
m-Xylene & p-Xylene	<0.00399	U	0.200	0.2123		mg/Kg		106	70 - 130		
o-Xylene	<0.00200	U	0.100	0.1168		mg/Kg		117	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*

Lab Sample ID: 890-7542-11 MSD
Matrix: Solid
Analysis Batch: 99625

Client Sample ID: FS 11
Prep Type: Total/NA
Prep Batch: 99633

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.100	0.1129		mg/Kg		113	70 - 130	0	35
Ethylbenzene	<0.00200	U	0.100	0.1106		mg/Kg		111	70 - 130	1	35
Toluene	<0.00200	U	0.100	0.1134		mg/Kg		113	70 - 130	1	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.2128		mg/Kg		106	70 - 130	0	35
o-Xylene	<0.00200	U	0.100	0.1166		mg/Kg		117	70 - 130	0	35

QC Sample Results

Client: CDH Consulting
Project/Site: WESTALL LINE RELEASE

Job ID: 890-7542-1
SDG: LOCO HILLS

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

Lab Sample ID: 890-7542-11 MSD
Matrix: Solid
Analysis Batch: 99625

Client Sample ID: FS 11
Prep Type: Total/NA
Prep Batch: 99633

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	111		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

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

Lab Sample ID: MB 880-99660/1-A
Matrix: Solid
Analysis Batch: 99659

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 99660

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		01/07/25 09:45	01/07/25 10:19	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/07/25 09:45	01/07/25 10:19	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/07/25 09:45	01/07/25 10:19	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	150	S1+	70 - 130	01/07/25 09:45	01/07/25 10:19	1
o-Terphenyl	152	S1+	70 - 130	01/07/25 09:45	01/07/25 10:19	1

Lab Sample ID: LCS 880-99660/2-A
Matrix: Solid
Analysis Batch: 99659

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 99660

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1326	*+	mg/Kg		133	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1353	*+	mg/Kg		135	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	144	S1+	70 - 130
o-Terphenyl	158	S1+	70 - 130

Lab Sample ID: LCSD 880-99660/3-A
Matrix: Solid
Analysis Batch: 99659

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 99660

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1384	*+	mg/Kg		138	70 - 130	4	20
Diesel Range Organics (Over C10-C28)			1000	1450	*+	mg/Kg		145	70 - 130	7	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	152	S1+	70 - 130
o-Terphenyl	162	S1+	70 - 130

QC Sample Results

Client: CDH Consulting
Project/Site: WESTALL LINE RELEASE

Job ID: 890-7542-1
SDG: LOCO HILLS

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

Lab Sample ID: MB 880-99661/1-A
Matrix: Solid
Analysis Batch: 99653

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 99661

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		01/07/25 09:48	01/07/25 18:47	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/07/25 09:48	01/07/25 18:47	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/07/25 09:48	01/07/25 18:47	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*112*		*70 - 130*	*01/07/25 09:48*	*01/07/25 18:47*	*1*
o-Terphenyl	*114*		*70 - 130*	*01/07/25 09:48*	*01/07/25 18:47*	*1*

Lab Sample ID: LCS 880-99661/2-A
Matrix: Solid
Analysis Batch: 99653

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 99661

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1360	*+	mg/Kg		136	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1425	*+	mg/Kg		143	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*155*	*S1+*	*70 - 130*
o-Terphenyl	*147*	*S1+*	*70 - 130*

Lab Sample ID: LCSD 880-99661/3-A
Matrix: Solid
Analysis Batch: 99653

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 99661

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1412	*+	mg/Kg		141	70 - 130	4	20
Diesel Range Organics (Over C10-C28)			1000	1450	*+	mg/Kg		145	70 - 130	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*164*	*S1+*	*70 - 130*
o-Terphenyl	*155*	*S1+*	*70 - 130*

Lab Sample ID: 890-7542-16 MS
Matrix: Solid
Analysis Batch: 99653

Client Sample ID: SW 05
Prep Type: Total/NA
Prep Batch: 99661

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *+	999	887.1		mg/Kg		89	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U *+	999	794.2		mg/Kg		80	70 - 130		

QC Sample Results

Client: CDH Consulting
Project/Site: WESTALL LINE RELEASE

Job ID: 890-7542-1
SDG: LOCO HILLS

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

Lab Sample ID: 890-7542-16 MS
Matrix: Solid
Analysis Batch: 99653

Client Sample ID: SW 05
Prep Type: Total/NA
Prep Batch: 99661

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	84		70 - 130
o-Terphenyl	81		70 - 130

Lab Sample ID: 890-7542-16 MSD
Matrix: Solid
Analysis Batch: 99653

Client Sample ID: SW 05
Prep Type: Total/NA
Prep Batch: 99661

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	<49.9	U *+	999	903.7		mg/Kg		90	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<49.9	U *+	999	852.2		mg/Kg		85	70 - 130	7	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	85		70 - 130
o-Terphenyl	79		70 - 130

Lab Sample ID: MB 880-99667/1-A
Matrix: Solid
Analysis Batch: 99655

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 99667

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		01/07/25 10:51	01/07/25 18:47	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/07/25 10:51	01/07/25 18:47	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/07/25 10:51	01/07/25 18:47	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130	01/07/25 10:51	01/07/25 18:47	1
o-Terphenyl	110		70 - 130	01/07/25 10:51	01/07/25 18:47	1

Lab Sample ID: LCS 880-99667/2-A
Matrix: Solid
Analysis Batch: 99655

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 99667

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1154		mg/Kg		115	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1224		mg/Kg		122	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	136	S1+	70 - 130
o-Terphenyl	128		70 - 130

QC Sample Results

Client: CDH Consulting
Project/Site: WESTALL LINE RELEASE

Job ID: 890-7542-1
SDG: LOCO HILLS

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

Lab Sample ID: LCSD 880-99667/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 99655 — **Prep Batch: 99667**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1174		mg/Kg		117	70 - 130	2	20
Diesel Range Organics (Over C10-C28)			1000	1280		mg/Kg		128	70 - 130	5	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*137*	*S1+*	*70 - 130*
o-Terphenyl	*130*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-99622/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 99648

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			01/07/25 10:14	1

Lab Sample ID: LCS 880-99622/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 99648

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	260.7		mg/Kg		104	90 - 110		

Lab Sample ID: LCSD 880-99622/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 99648

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	261.3		mg/Kg		105	90 - 110	0	20

Lab Sample ID: 890-7542-10 MS — **Client Sample ID: FS 10**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 99648

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	243		252	513.6		mg/Kg		108	90 - 110		

Lab Sample ID: 890-7542-10 MSD — **Client Sample ID: FS 10**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 99648

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	243		252	514.1		mg/Kg		108	90 - 110	0	20

QC Association Summary

Client: CDH Consulting
Project/Site: WESTALL LINE RELEASE

Job ID: 890-7542-1
SDG: LOCO HILLS

GC VOA

Analysis Batch: 99625

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7542-11	FS 11	Total/NA	Solid	8021B	99633
890-7542-12	FS 12	Total/NA	Solid	8021B	99633
890-7542-13	SW 01	Total/NA	Solid	8021B	99633
890-7542-14	SW 02	Total/NA	Solid	8021B	99633
890-7542-15	SW 03	Total/NA	Solid	8021B	99633
890-7542-16	SW 05	Total/NA	Solid	8021B	99633
890-7542-17	SW 06	Total/NA	Solid	8021B	99633
890-7542-18	FS 13	Total/NA	Solid	8021B	99633
890-7542-19	FS 14	Total/NA	Solid	8021B	99633
MB 880-99633/5-A	Method Blank	Total/NA	Solid	8021B	99633
LCS 880-99633/1-A	Lab Control Sample	Total/NA	Solid	8021B	99633
LCSD 880-99633/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	99633
890-7542-11 MS	FS 11	Total/NA	Solid	8021B	99633
890-7542-11 MSD	FS 11	Total/NA	Solid	8021B	99633

Analysis Batch: 99626

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7542-1	FS 01	Total/NA	Solid	8021B	99630
890-7542-2	FS 02	Total/NA	Solid	8021B	99630
890-7542-3	FS 03	Total/NA	Solid	8021B	99630
890-7542-4	FS 04	Total/NA	Solid	8021B	99630
890-7542-5	FS 05	Total/NA	Solid	8021B	99630
890-7542-6	FS 06	Total/NA	Solid	8021B	99630
890-7542-7	FS 07	Total/NA	Solid	8021B	99630
890-7542-8	FS 08	Total/NA	Solid	8021B	99630
890-7542-9	FS 09	Total/NA	Solid	8021B	99630
890-7542-10	FS 10	Total/NA	Solid	8021B	99630
MB 880-99630/5-A	Method Blank	Total/NA	Solid	8021B	99630
LCS 880-99630/1-A	Lab Control Sample	Total/NA	Solid	8021B	99630
LCSD 880-99630/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	99630
890-7542-1 MS	FS 01	Total/NA	Solid	8021B	99630
890-7542-1 MSD	FS 01	Total/NA	Solid	8021B	99630

Prep Batch: 99630

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7542-1	FS 01	Total/NA	Solid	5035	
890-7542-2	FS 02	Total/NA	Solid	5035	
890-7542-3	FS 03	Total/NA	Solid	5035	
890-7542-4	FS 04	Total/NA	Solid	5035	
890-7542-5	FS 05	Total/NA	Solid	5035	
890-7542-6	FS 06	Total/NA	Solid	5035	
890-7542-7	FS 07	Total/NA	Solid	5035	
890-7542-8	FS 08	Total/NA	Solid	5035	
890-7542-9	FS 09	Total/NA	Solid	5035	
890-7542-10	FS 10	Total/NA	Solid	5035	
MB 880-99630/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-99630/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-99630/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-7542-1 MS	FS 01	Total/NA	Solid	5035	
890-7542-1 MSD	FS 01	Total/NA	Solid	5035	

QC Association Summary

Client: CDH Consulting
Project/Site: WESTALL LINE RELEASE

Job ID: 890-7542-1
SDG: LOCO HILLS

GC VOA

Prep Batch: 99633

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7542-11	FS 11	Total/NA	Solid	5035	
890-7542-12	FS 12	Total/NA	Solid	5035	
890-7542-13	SW 01	Total/NA	Solid	5035	
890-7542-14	SW 02	Total/NA	Solid	5035	
890-7542-15	SW 03	Total/NA	Solid	5035	
890-7542-16	SW 05	Total/NA	Solid	5035	
890-7542-17	SW 06	Total/NA	Solid	5035	
890-7542-18	FS 13	Total/NA	Solid	5035	
890-7542-19	FS 14	Total/NA	Solid	5035	
MB 880-99633/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-99633/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-99633/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-7542-11 MS	FS 11	Total/NA	Solid	5035	
890-7542-11 MSD	FS 11	Total/NA	Solid	5035	

Analysis Batch: 99693

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7542-1	FS 01	Total/NA	Solid	Total BTEX	
890-7542-2	FS 02	Total/NA	Solid	Total BTEX	
890-7542-3	FS 03	Total/NA	Solid	Total BTEX	
890-7542-4	FS 04	Total/NA	Solid	Total BTEX	
890-7542-5	FS 05	Total/NA	Solid	Total BTEX	
890-7542-6	FS 06	Total/NA	Solid	Total BTEX	
890-7542-7	FS 07	Total/NA	Solid	Total BTEX	
890-7542-8	FS 08	Total/NA	Solid	Total BTEX	
890-7542-9	FS 09	Total/NA	Solid	Total BTEX	
890-7542-10	FS 10	Total/NA	Solid	Total BTEX	
890-7542-11	FS 11	Total/NA	Solid	Total BTEX	
890-7542-12	FS 12	Total/NA	Solid	Total BTEX	
890-7542-13	SW 01	Total/NA	Solid	Total BTEX	
890-7542-14	SW 02	Total/NA	Solid	Total BTEX	
890-7542-15	SW 03	Total/NA	Solid	Total BTEX	
890-7542-16	SW 05	Total/NA	Solid	Total BTEX	
890-7542-17	SW 06	Total/NA	Solid	Total BTEX	
890-7542-18	FS 13	Total/NA	Solid	Total BTEX	
890-7542-19	FS 14	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 99653

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7542-16	SW 05	Total/NA	Solid	8015B NM	99661
890-7542-17	SW 06	Total/NA	Solid	8015B NM	99661
890-7542-18	FS 13	Total/NA	Solid	8015B NM	99661
MB 880-99661/1-A	Method Blank	Total/NA	Solid	8015B NM	99661
LCS 880-99661/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	99661
LCSD 880-99661/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	99661
890-7542-16 MS	SW 05	Total/NA	Solid	8015B NM	99661
890-7542-16 MSD	SW 05	Total/NA	Solid	8015B NM	99661

QC Association Summary

Client: CDH Consulting
Project/Site: WESTALL LINE RELEASE

Job ID: 890-7542-1
SDG: LOCO HILLS

GC Semi VOA

Analysis Batch: 99655

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7542-19	FS 14	Total/NA	Solid	8015B NM	99667
MB 880-99667/1-A	Method Blank	Total/NA	Solid	8015B NM	99667
LCS 880-99667/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	99667
LCSD 880-99667/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	99667

Analysis Batch: 99659

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7542-1	FS 01	Total/NA	Solid	8015B NM	99660
890-7542-2	FS 02	Total/NA	Solid	8015B NM	99660
890-7542-3	FS 03	Total/NA	Solid	8015B NM	99660
890-7542-4	FS 04	Total/NA	Solid	8015B NM	99660
890-7542-5	FS 05	Total/NA	Solid	8015B NM	99660
890-7542-6	FS 06	Total/NA	Solid	8015B NM	99660
890-7542-7	FS 07	Total/NA	Solid	8015B NM	99660
890-7542-8	FS 08	Total/NA	Solid	8015B NM	99660
890-7542-9	FS 09	Total/NA	Solid	8015B NM	99660
890-7542-10	FS 10	Total/NA	Solid	8015B NM	99660
890-7542-11	FS 11	Total/NA	Solid	8015B NM	99660
890-7542-12	FS 12	Total/NA	Solid	8015B NM	99660
890-7542-13	SW 01	Total/NA	Solid	8015B NM	99660
890-7542-14	SW 02	Total/NA	Solid	8015B NM	99660
890-7542-15	SW 03	Total/NA	Solid	8015B NM	99660
MB 880-99660/1-A	Method Blank	Total/NA	Solid	8015B NM	99660
LCS 880-99660/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	99660
LCSD 880-99660/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	99660

Prep Batch: 99660

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7542-1	FS 01	Total/NA	Solid	8015NM Prep	
890-7542-2	FS 02	Total/NA	Solid	8015NM Prep	
890-7542-3	FS 03	Total/NA	Solid	8015NM Prep	
890-7542-4	FS 04	Total/NA	Solid	8015NM Prep	
890-7542-5	FS 05	Total/NA	Solid	8015NM Prep	
890-7542-6	FS 06	Total/NA	Solid	8015NM Prep	
890-7542-7	FS 07	Total/NA	Solid	8015NM Prep	
890-7542-8	FS 08	Total/NA	Solid	8015NM Prep	
890-7542-9	FS 09	Total/NA	Solid	8015NM Prep	
890-7542-10	FS 10	Total/NA	Solid	8015NM Prep	
890-7542-11	FS 11	Total/NA	Solid	8015NM Prep	
890-7542-12	FS 12	Total/NA	Solid	8015NM Prep	
890-7542-13	SW 01	Total/NA	Solid	8015NM Prep	
890-7542-14	SW 02	Total/NA	Solid	8015NM Prep	
890-7542-15	SW 03	Total/NA	Solid	8015NM Prep	
MB 880-99660/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-99660/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-99660/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Prep Batch: 99661

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7542-16	SW 05	Total/NA	Solid	8015NM Prep	
890-7542-17	SW 06	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: CDH Consulting
Project/Site: WESTALL LINE RELEASE

Job ID: 890-7542-1
SDG: LOCO HILLS

GC Semi VOA (Continued)

Prep Batch: 99661 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7542-18	FS 13	Total/NA	Solid	8015NM Prep	
MB 880-99661/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-99661/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-99661/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-7542-16 MS	SW 05	Total/NA	Solid	8015NM Prep	
890-7542-16 MSD	SW 05	Total/NA	Solid	8015NM Prep	

Prep Batch: 99667

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7542-19	FS 14	Total/NA	Solid	8015NM Prep	
MB 880-99667/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-99667/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-99667/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 99733

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7542-1	FS 01	Total/NA	Solid	8015 NM	
890-7542-2	FS 02	Total/NA	Solid	8015 NM	
890-7542-3	FS 03	Total/NA	Solid	8015 NM	
890-7542-4	FS 04	Total/NA	Solid	8015 NM	
890-7542-5	FS 05	Total/NA	Solid	8015 NM	
890-7542-6	FS 06	Total/NA	Solid	8015 NM	
890-7542-7	FS 07	Total/NA	Solid	8015 NM	
890-7542-8	FS 08	Total/NA	Solid	8015 NM	
890-7542-9	FS 09	Total/NA	Solid	8015 NM	
890-7542-10	FS 10	Total/NA	Solid	8015 NM	
890-7542-11	FS 11	Total/NA	Solid	8015 NM	
890-7542-12	FS 12	Total/NA	Solid	8015 NM	
890-7542-13	SW 01	Total/NA	Solid	8015 NM	
890-7542-14	SW 02	Total/NA	Solid	8015 NM	
890-7542-15	SW 03	Total/NA	Solid	8015 NM	
890-7542-16	SW 05	Total/NA	Solid	8015 NM	
890-7542-17	SW 06	Total/NA	Solid	8015 NM	
890-7542-18	FS 13	Total/NA	Solid	8015 NM	
890-7542-19	FS 14	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 99622

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7542-1	FS 01	Soluble	Solid	DI Leach	
890-7542-2	FS 02	Soluble	Solid	DI Leach	
890-7542-3	FS 03	Soluble	Solid	DI Leach	
890-7542-4	FS 04	Soluble	Solid	DI Leach	
890-7542-5	FS 05	Soluble	Solid	DI Leach	
890-7542-6	FS 06	Soluble	Solid	DI Leach	
890-7542-7	FS 07	Soluble	Solid	DI Leach	
890-7542-8	FS 08	Soluble	Solid	DI Leach	
890-7542-9	FS 09	Soluble	Solid	DI Leach	
890-7542-10	FS 10	Soluble	Solid	DI Leach	
890-7542-11	FS 11	Soluble	Solid	DI Leach	

QC Association Summary

Client: CDH Consulting
Project/Site: WESTALL LINE RELEASE

Job ID: 890-7542-1
SDG: LOCO HILLS

HPLC/IC (Continued)

Leach Batch: 99622 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7542-12	FS 12	Soluble	Solid	DI Leach	
890-7542-13	SW 01	Soluble	Solid	DI Leach	
890-7542-14	SW 02	Soluble	Solid	DI Leach	
890-7542-15	SW 03	Soluble	Solid	DI Leach	
890-7542-16	SW 05	Soluble	Solid	DI Leach	
890-7542-17	SW 06	Soluble	Solid	DI Leach	
890-7542-18	FS 13	Soluble	Solid	DI Leach	
890-7542-19	FS 14	Soluble	Solid	DI Leach	
MB 880-99622/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-99622/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-99622/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-7542-10 MS	FS 10	Soluble	Solid	DI Leach	
890-7542-10 MSD	FS 10	Soluble	Solid	DI Leach	

Analysis Batch: 99648

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7542-1	FS 01	Soluble	Solid	300.0	99622
890-7542-2	FS 02	Soluble	Solid	300.0	99622
890-7542-3	FS 03	Soluble	Solid	300.0	99622
890-7542-4	FS 04	Soluble	Solid	300.0	99622
890-7542-5	FS 05	Soluble	Solid	300.0	99622
890-7542-6	FS 06	Soluble	Solid	300.0	99622
890-7542-7	FS 07	Soluble	Solid	300.0	99622
890-7542-8	FS 08	Soluble	Solid	300.0	99622
890-7542-9	FS 09	Soluble	Solid	300.0	99622
890-7542-10	FS 10	Soluble	Solid	300.0	99622
890-7542-11	FS 11	Soluble	Solid	300.0	99622
890-7542-12	FS 12	Soluble	Solid	300.0	99622
890-7542-13	SW 01	Soluble	Solid	300.0	99622
890-7542-14	SW 02	Soluble	Solid	300.0	99622
890-7542-15	SW 03	Soluble	Solid	300.0	99622
890-7542-16	SW 05	Soluble	Solid	300.0	99622
890-7542-17	SW 06	Soluble	Solid	300.0	99622
890-7542-18	FS 13	Soluble	Solid	300.0	99622
890-7542-19	FS 14	Soluble	Solid	300.0	99622
MB 880-99622/1-A	Method Blank	Soluble	Solid	300.0	99622
LCS 880-99622/2-A	Lab Control Sample	Soluble	Solid	300.0	99622
LCSD 880-99622/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	99622
890-7542-10 MS	FS 10	Soluble	Solid	300.0	99622
890-7542-10 MSD	FS 10	Soluble	Solid	300.0	99622

Lab Chronicle

Client: CDH Consulting
Project/Site: WESTALL LINE RELEASE

Job ID: 890-7542-1
SDG: LOCO HILLS

Client Sample ID: FS 01
Date Collected: 01/03/25 13:10
Date Received: 01/06/25 16:20

Lab Sample ID: 890-7542-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			99630	MNR	EET MID	01/07/25 08:40
Total/NA	Analysis	8021B		1	99626	MNR	EET MID	01/07/25 11:36
Total/NA	Analysis	Total BTEX		1	99693	SM	EET MID	01/07/25 11:36
Total/NA	Analysis	8015 NM		1	99733	AJ	EET MID	01/07/25 14:05
Total/NA	Prep	8015NM Prep			99660	EL	EET MID	01/07/25 09:45
Total/NA	Analysis	8015B NM		1	99659	TKC	EET MID	01/07/25 14:05
Soluble	Leach	DI Leach			99622	SA	EET MID	01/07/25 08:05
Soluble	Analysis	300.0		1	99648	CH	EET MID	01/07/25 10:48

Client Sample ID: FS 02
Date Collected: 01/03/25 13:00
Date Received: 01/06/25 16:20

Lab Sample ID: 890-7542-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			99630	MNR	EET MID	01/07/25 08:40
Total/NA	Analysis	8021B		1	99626	MNR	EET MID	01/07/25 11:56
Total/NA	Analysis	Total BTEX		1	99693	SM	EET MID	01/07/25 11:56
Total/NA	Analysis	8015 NM		1	99733	AJ	EET MID	01/07/25 14:20
Total/NA	Prep	8015NM Prep			99660	EL	EET MID	01/07/25 09:45
Total/NA	Analysis	8015B NM		1	99659	TKC	EET MID	01/07/25 14:20
Soluble	Leach	DI Leach			99622	SA	EET MID	01/07/25 08:05
Soluble	Analysis	300.0		1	99648	CH	EET MID	01/07/25 10:54

Client Sample ID: FS 03
Date Collected: 01/03/25 12:50
Date Received: 01/06/25 16:20

Lab Sample ID: 890-7542-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			99630	MNR	EET MID	01/07/25 08:40
Total/NA	Analysis	8021B		1	99626	MNR	EET MID	01/07/25 12:17
Total/NA	Analysis	Total BTEX		1	99693	SM	EET MID	01/07/25 12:17
Total/NA	Analysis	8015 NM		1	99733	AJ	EET MID	01/07/25 14:36
Total/NA	Prep	8015NM Prep			99660	EL	EET MID	01/07/25 09:45
Total/NA	Analysis	8015B NM		1	99659	TKC	EET MID	01/07/25 14:36
Soluble	Leach	DI Leach			99622	SA	EET MID	01/07/25 08:05
Soluble	Analysis	300.0		1	99648	CH	EET MID	01/07/25 10:59

Client Sample ID: FS 04
Date Collected: 01/03/25 12:40
Date Received: 01/06/25 16:20

Lab Sample ID: 890-7542-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			99630	MNR	EET MID	01/07/25 08:40
Total/NA	Analysis	8021B		1	99626	MNR	EET MID	01/07/25 12:37
Total/NA	Analysis	Total BTEX		1	99693	SM	EET MID	01/07/25 12:37

Eurofins Carlsbad

Lab Chronicle

Client: CDH Consulting
Project/Site: WESTALL LINE RELEASE

Job ID: 890-7542-1
SDG: LOCO HILLS

Client Sample ID: FS 04

Lab Sample ID: 890-7542-4
Matrix: Solid
Date Collected: 01/03/25 12:40
Date Received: 01/06/25 16:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8015 NM		1	99733	AJ	EET MID	01/07/25 14:52
Total/NA	Prep	8015NM Prep			99660	EL	EET MID	01/07/25 09:45
Total/NA	Analysis	8015B NM		1	99659	TKC	EET MID	01/07/25 14:52
Soluble	Leach	DI Leach			99622	SA	EET MID	01/07/25 08:05
Soluble	Analysis	300.0		1	99648	CH	EET MID	01/07/25 11:05

Client Sample ID: FS 05

Lab Sample ID: 890-7542-5
Matrix: Solid
Date Collected: 01/03/25 12:30
Date Received: 01/06/25 16:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			99630	MNR	EET MID	01/07/25 08:40
Total/NA	Analysis	8021B		1	99626	MNR	EET MID	01/07/25 12:58
Total/NA	Analysis	Total BTEX		1	99693	SM	EET MID	01/07/25 12:58
Total/NA	Analysis	8015 NM		1	99733	AJ	EET MID	01/07/25 15:08
Total/NA	Prep	8015NM Prep			99660	EL	EET MID	01/07/25 09:45
Total/NA	Analysis	8015B NM		1	99659	TKC	EET MID	01/07/25 15:08
Soluble	Leach	DI Leach			99622	SA	EET MID	01/07/25 08:05
Soluble	Analysis	300.0		5	99648	CH	EET MID	01/07/25 13:04

Client Sample ID: FS 06

Lab Sample ID: 890-7542-6
Matrix: Solid
Date Collected: 01/03/25 12:20
Date Received: 01/06/25 16:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			99630	MNR	EET MID	01/07/25 08:40
Total/NA	Analysis	8021B		1	99626	MNR	EET MID	01/07/25 13:18
Total/NA	Analysis	Total BTEX		1	99693	SM	EET MID	01/07/25 13:18
Total/NA	Analysis	8015 NM		1	99733	AJ	EET MID	01/07/25 15:39
Total/NA	Prep	8015NM Prep			99660	EL	EET MID	01/07/25 09:45
Total/NA	Analysis	8015B NM		1	99659	TKC	EET MID	01/07/25 15:39
Soluble	Leach	DI Leach			99622	SA	EET MID	01/07/25 08:05
Soluble	Analysis	300.0		1	99648	CH	EET MID	01/07/25 11:28

Client Sample ID: FS 07

Lab Sample ID: 890-7542-7
Matrix: Solid
Date Collected: 01/03/25 13:15
Date Received: 01/06/25 16:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			99630	MNR	EET MID	01/07/25 08:40
Total/NA	Analysis	8021B		1	99626	MNR	EET MID	01/07/25 13:39
Total/NA	Analysis	Total BTEX		1	99693	SM	EET MID	01/07/25 13:39
Total/NA	Analysis	8015 NM		1	99733	AJ	EET MID	01/07/25 15:56
Total/NA	Prep	8015NM Prep			99660	EL	EET MID	01/07/25 09:45
Total/NA	Analysis	8015B NM		1	99659	TKC	EET MID	01/07/25 15:56

Lab Chronicle

Client: CDH Consulting
Project/Site: WESTALL LINE RELEASE

Job ID: 890-7542-1
SDG: LOCO HILLS

Client Sample ID: FS 07

Lab Sample ID: 890-7542-7

Date Collected: 01/03/25 13:15
Matrix: Solid
Date Received: 01/06/25 16:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Soluble	Leach	DI Leach			99622	SA	EET MID	01/07/25 08:05
Soluble	Analysis	300.0		1	99648	CH	EET MID	01/07/25 11:34

Client Sample ID: FS 08

Lab Sample ID: 890-7542-8

Date Collected: 01/03/25 13:05
Matrix: Solid
Date Received: 01/06/25 16:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			99630	MNR	EET MID	01/07/25 08:40
Total/NA	Analysis	8021B		1	99626	MNR	EET MID	01/07/25 13:59
Total/NA	Analysis	Total BTEX		1	99693	SM	EET MID	01/07/25 13:59
Total/NA	Analysis	8015 NM		1	99733	AJ	EET MID	01/07/25 16:11
Total/NA	Prep	8015NM Prep			99660	EL	EET MID	01/07/25 09:45
Total/NA	Analysis	8015B NM		1	99659	TKC	EET MID	01/07/25 16:11
Soluble	Leach	DI Leach			99622	SA	EET MID	01/07/25 08:05
Soluble	Analysis	300.0		1	99648	CH	EET MID	01/07/25 11:39

Client Sample ID: FS 09

Lab Sample ID: 890-7542-9

Date Collected: 01/03/25 12:55
Matrix: Solid
Date Received: 01/06/25 16:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			99630	MNR	EET MID	01/07/25 08:40
Total/NA	Analysis	8021B		1	99626	MNR	EET MID	01/07/25 14:20
Total/NA	Analysis	Total BTEX		1	99693	SM	EET MID	01/07/25 14:20
Total/NA	Analysis	8015 NM		1	99733	AJ	EET MID	01/07/25 16:28
Total/NA	Prep	8015NM Prep			99660	EL	EET MID	01/07/25 09:45
Total/NA	Analysis	8015B NM		1	99659	TKC	EET MID	01/07/25 16:28
Soluble	Leach	DI Leach			99622	SA	EET MID	01/07/25 08:05
Soluble	Analysis	300.0		1	99648	CH	EET MID	01/07/25 11:45

Client Sample ID: FS 10

Lab Sample ID: 890-7542-10

Date Collected: 01/03/25 12:45
Matrix: Solid
Date Received: 01/06/25 16:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			99630	MNR	EET MID	01/07/25 08:40
Total/NA	Analysis	8021B		1	99626	MNR	EET MID	01/07/25 14:40
Total/NA	Analysis	Total BTEX		1	99693	SM	EET MID	01/07/25 14:40
Total/NA	Analysis	8015 NM		1	99733	AJ	EET MID	01/07/25 16:44
Total/NA	Prep	8015NM Prep			99660	EL	EET MID	01/07/25 09:45
Total/NA	Analysis	8015B NM		1	99659	TKC	EET MID	01/07/25 16:44
Soluble	Leach	DI Leach			99622	SA	EET MID	01/07/25 08:05
Soluble	Analysis	300.0		1	99648	CH	EET MID	01/07/25 11:51

Lab Chronicle

Client: CDH Consulting
Project/Site: WESTALL LINE RELEASE

Job ID: 890-7542-1
SDG: LOCO HILLS

Client Sample ID: FS 11

Lab Sample ID: 890-7542-11
Matrix: Solid
Date Collected: 01/03/25 12:35
Date Received: 01/06/25 16:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			99633	MNR	EET MID	01/07/25 08:46
Total/NA	Analysis	8021B		1	99625	MNR	EET MID	01/07/25 11:35
Total/NA	Analysis	Total BTEX		1	99693	SM	EET MID	01/07/25 11:35
Total/NA	Analysis	8015 NM		1	99733	AJ	EET MID	01/07/25 17:01
Total/NA	Prep	8015NM Prep			99660	EL	EET MID	01/07/25 09:45
Total/NA	Analysis	8015B NM		1	99659	TKC	EET MID	01/07/25 17:01
Soluble	Leach	DI Leach			99622	SA	EET MID	01/07/25 08:05
Soluble	Analysis	300.0		1	99648	CH	EET MID	01/07/25 12:08

Client Sample ID: FS 12

Lab Sample ID: 890-7542-12
Matrix: Solid
Date Collected: 01/03/25 12:25
Date Received: 01/06/25 16:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			99633	MNR	EET MID	01/07/25 08:46
Total/NA	Analysis	8021B		1	99625	MNR	EET MID	01/07/25 11:55
Total/NA	Analysis	Total BTEX		1	99693	SM	EET MID	01/07/25 11:55
Total/NA	Analysis	8015 NM		1	99733	AJ	EET MID	01/07/25 17:16
Total/NA	Prep	8015NM Prep			99660	EL	EET MID	01/07/25 09:45
Total/NA	Analysis	8015B NM		1	99659	TKC	EET MID	01/07/25 17:16
Soluble	Leach	DI Leach			99622	SA	EET MID	01/07/25 08:05
Soluble	Analysis	300.0		1	99648	CH	EET MID	01/07/25 12:13

Client Sample ID: SW 01

Lab Sample ID: 890-7542-13
Matrix: Solid
Date Collected: 01/03/25 14:40
Date Received: 01/06/25 16:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			99633	MNR	EET MID	01/07/25 08:46
Total/NA	Analysis	8021B		1	99625	MNR	EET MID	01/07/25 12:16
Total/NA	Analysis	Total BTEX		1	99693	SM	EET MID	01/07/25 12:16
Total/NA	Analysis	8015 NM		1	99733	AJ	EET MID	01/07/25 17:33
Total/NA	Prep	8015NM Prep			99660	EL	EET MID	01/07/25 09:45
Total/NA	Analysis	8015B NM		1	99659	TKC	EET MID	01/07/25 17:33
Soluble	Leach	DI Leach			99622	SA	EET MID	01/07/25 08:05
Soluble	Analysis	300.0		1	99648	CH	EET MID	01/07/25 12:30

Client Sample ID: SW 02

Lab Sample ID: 890-7542-14
Matrix: Solid
Date Collected: 01/03/25 14:45
Date Received: 01/06/25 16:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			99633	MNR	EET MID	01/07/25 08:46
Total/NA	Analysis	8021B		1	99625	MNR	EET MID	01/07/25 12:36
Total/NA	Analysis	Total BTEX		1	99693	SM	EET MID	01/07/25 12:36

Lab Chronicle

Client: CDH Consulting
Project/Site: WESTALL LINE RELEASE

Job ID: 890-7542-1
SDG: LOCO HILLS

Client Sample ID: SW 02

Lab Sample ID: 890-7542-14
Matrix: Solid
Date Collected: 01/03/25 14:45
Date Received: 01/06/25 16:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8015 NM		1	99733	AJ	EET MID	01/07/25 17:48
Total/NA	Prep	8015NM Prep			99660	EL	EET MID	01/07/25 09:45
Total/NA	Analysis	8015B NM		1	99659	TKC	EET MID	01/07/25 17:48
Soluble	Leach	DI Leach			99622	SA	EET MID	01/07/25 08:05
Soluble	Analysis	300.0		1	99648	CH	EET MID	01/07/25 12:36

Client Sample ID: SW 03

Lab Sample ID: 890-7542-15
Matrix: Solid
Date Collected: 01/03/25 13:20
Date Received: 01/06/25 16:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			99633	MNR	EET MID	01/07/25 08:46
Total/NA	Analysis	8021B		1	99625	MNR	EET MID	01/07/25 12:57
Total/NA	Analysis	Total BTEX		1	99693	SM	EET MID	01/07/25 12:57
Total/NA	Analysis	8015 NM		1	99733	AJ	EET MID	01/07/25 18:04
Total/NA	Prep	8015NM Prep			99660	EL	EET MID	01/07/25 09:45
Total/NA	Analysis	8015B NM		1	99659	TKC	EET MID	01/07/25 18:04
Soluble	Leach	DI Leach			99622	SA	EET MID	01/07/25 08:05
Soluble	Analysis	300.0		1	99648	CH	EET MID	01/07/25 12:42

Client Sample ID: SW 05

Lab Sample ID: 890-7542-16
Matrix: Solid
Date Collected: 01/03/25 14:30
Date Received: 01/06/25 16:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			99633	MNR	EET MID	01/07/25 08:46
Total/NA	Analysis	8021B		1	99625	MNR	EET MID	01/07/25 13:17
Total/NA	Analysis	Total BTEX		1	99693	SM	EET MID	01/07/25 13:17
Total/NA	Analysis	8015 NM		1	99733	AJ	EET MID	01/07/25 19:31
Total/NA	Prep	8015NM Prep			99661	EL	EET MID	01/07/25 09:48
Total/NA	Analysis	8015B NM		1	99653	TKC	EET MID	01/07/25 19:31
Soluble	Leach	DI Leach			99622	SA	EET MID	01/07/25 08:05
Soluble	Analysis	300.0		1	99648	CH	EET MID	01/07/25 12:47

Client Sample ID: SW 06

Lab Sample ID: 890-7542-17
Matrix: Solid
Date Collected: 01/03/25 14:35
Date Received: 01/06/25 16:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			99633	MNR	EET MID	01/07/25 08:46
Total/NA	Analysis	8021B		1	99625	MNR	EET MID	01/07/25 13:38
Total/NA	Analysis	Total BTEX		1	99693	SM	EET MID	01/07/25 13:38
Total/NA	Analysis	8015 NM		1	99733	AJ	EET MID	01/07/25 20:16
Total/NA	Prep	8015NM Prep			99661	EL	EET MID	01/07/25 09:48
Total/NA	Analysis	8015B NM		1	99653	TKC	EET MID	01/07/25 20:16

Eurofins Carlsbad

Lab Chronicle

Client: CDH Consulting
Project/Site: WESTALL LINE RELEASE

Job ID: 890-7542-1
SDG: LOCO HILLS

Client Sample ID: SW 06
Date Collected: 01/03/25 14:35
Date Received: 01/06/25 16:20

Lab Sample ID: 890-7542-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Soluble	Leach	DI Leach			99622	SA	EET MID	01/07/25 08:05
Soluble	Analysis	300.0		1	99648	CH	EET MID	01/07/25 12:53

Client Sample ID: FS 13
Date Collected: 01/03/25 15:40
Date Received: 01/06/25 16:20

Lab Sample ID: 890-7542-18
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			99633	MNR	EET MID	01/07/25 08:46
Total/NA	Analysis	8021B		1	99625	MNR	EET MID	01/07/25 13:58
Total/NA	Analysis	Total BTEX		1	99693	SM	EET MID	01/07/25 13:58
Total/NA	Analysis	8015 NM		1	99733	AJ	EET MID	01/07/25 20:30
Total/NA	Prep	8015NM Prep			99661	EL	EET MID	01/07/25 09:48
Total/NA	Analysis	8015B NM		1	99653	TKC	EET MID	01/07/25 20:30
Soluble	Leach	DI Leach			99622	SA	EET MID	01/07/25 08:05
Soluble	Analysis	300.0		5	99648	CH	EET MID	01/07/25 12:59

Client Sample ID: FS 14
Date Collected: 01/03/25 15:45
Date Received: 01/06/25 16:20

Lab Sample ID: 890-7542-19
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			99633	MNR	EET MID	01/07/25 08:46
Total/NA	Analysis	8021B		1	99625	MNR	EET MID	01/07/25 14:19
Total/NA	Analysis	Total BTEX		1	99693	SM	EET MID	01/07/25 14:19
Total/NA	Analysis	8015 NM		1	99733	AJ	EET MID	01/07/25 20:16
Total/NA	Prep	8015NM Prep			99667	TKC	EET MID	01/07/25 10:51
Total/NA	Analysis	8015B NM		1	99655	TKC	EET MID	01/07/25 20:16
Soluble	Leach	DI Leach			99622	SA	EET MID	01/07/25 08:05
Soluble	Analysis	300.0		1	99648	CH	EET MID	01/07/25 13:10

Laboratory References:

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

Accreditation/Certification Summary

Client: CDH Consulting
Project/Site: WESTALL LINE RELEASE

Job ID: 890-7542-1
SDG: LOCO HILLS

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	06-30-25

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
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: CDH Consulting
Project/Site: WESTALL LINE RELEASE

Job ID: 890-7542-1
SDG: LOCO HILLS

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: CDH Consulting
Project/Site: WESTALL LINE RELEASE

Job ID: 890-7542-1
SDG: LOCO HILLS

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-7542-1	FS 01	Solid	01/03/25 13:10	01/06/25 16:20	4'
890-7542-2	FS 02	Solid	01/03/25 13:00	01/06/25 16:20	4'
890-7542-3	FS 03	Solid	01/03/25 12:50	01/06/25 16:20	4'
890-7542-4	FS 04	Solid	01/03/25 12:40	01/06/25 16:20	4'
890-7542-5	FS 05	Solid	01/03/25 12:30	01/06/25 16:20	4'
890-7542-6	FS 06	Solid	01/03/25 12:20	01/06/25 16:20	4'
890-7542-7	FS 07	Solid	01/03/25 13:15	01/06/25 16:20	4'
890-7542-8	FS 08	Solid	01/03/25 13:05	01/06/25 16:20	4'
890-7542-9	FS 09	Solid	01/03/25 12:55	01/06/25 16:20	4'
890-7542-10	FS 10	Solid	01/03/25 12:45	01/06/25 16:20	4'
890-7542-11	FS 11	Solid	01/03/25 12:35	01/06/25 16:20	4'
890-7542-12	FS 12	Solid	01/03/25 12:25	01/06/25 16:20	4'
890-7542-13	SW 01	Solid	01/03/25 14:40	01/06/25 16:20	0' - 4'
890-7542-14	SW 02	Solid	01/03/25 14:45	01/06/25 16:20	0' - 4'
890-7542-15	SW 03	Solid	01/03/25 13:20	01/06/25 16:20	0' - 4'
890-7542-16	SW 05	Solid	01/03/25 14:30	01/06/25 16:20	0' - 4'
890-7542-17	SW 06	Solid	01/03/25 14:35	01/06/25 16:20	0' - 4'
890-7542-18	FS 13	Solid	01/03/25 15:40	01/06/25 16:20	4'
890-7542-19	FS 14	Solid	01/03/25 15:45	01/06/25 16:20	4'

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Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334
EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199
Little Rock, AR (501) 224-5060

Work Order No: _____

Page 1 of 2

Project Manager:	Michael Wilcox	Bill to: (if different)	
Company Name:	COH Consulting	Company Name:	
Address:	9446 Clermont Street	Address:	
City, State ZIP:	Thornton, Co	City, State ZIP:	
Phone:	(616) 970-8459	Email:	mwilcox@cohconsult.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Westall Line Release	Turn Around	
Project Number:		☐ Routine ☒ Rush	
Project Location:	Loco Hills NM	Due Date:	24 hr
Sampler's Name:	Elizabeth Nuke	TAT starts the day received by the lab, if received by 4:30pm	
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	Yes No
Samples Received Intact:	Yes No	Thermometer ID:	IR#6
Cooler Custody Seals:	Yes No N/A	Correction Factor:	+0.2
Sample Custody Seals:	Yes No N/A	Temperature Reading:	1.8
Total Containers:		Corrected Temperature:	1.6

ANALYSIS REQUEST

Preservative Codes

None: NO DI Water: H_2O
Cool: Cool MeOH: Me
HCL: HC HNO_3
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

890-7542 Chain of Custody

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	Parameters: BTEX	TPH	Chloride	Sample Comments
FS01	S	01/03/25	1310	4'	Comp	1		X	X	X	
FS02			1300								
FS03			1250								
FS04			1240								
FS05			1230								
FS06			1220								
FS07			1315								
FS08			1305								
FS09			1255								
FS10			1245								

~~Total 200.7 / 6010 200.8 / 6020.~~ 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010**: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg: 1631 / 245.1 / 7470 / 7471

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		1/6 1620			
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

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Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334
EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199
Little Rock, AR (501) 224-5060

Work Order No: _____

Page 2 of 2

Project Manager:	Michael Wiecker	Bill to: (if different)	
Company Name:	CDH Consulting	Company Name:	
Address:	9446 Chermont Street	Address:	
City, State ZIP:	Thornton Co	City, State ZIP:	
Phone:	(616) 970-8459	Email:	mwiecker@cdhconsult.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Westall Line Release	Turn Around	☐ Routine ☒ Rush
Project Number:		Due Date:	24 hr
Project Location:	Loco Hills, NM	TAT starts the day received by the lab, if received by 4:30pm	
Sampler's Name:	Elizabeth Wake		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes ~~No~~	Wet Ice:	Yes ~~No~~
Samples Received Intact:	~~Yes~~ No	Thermometer ID:	Tracer
Cooler Custody Seals:	Yes No ~~N/A~~	Correction Factor:	-0.2
Sample Custody Seals:	Yes No ~~N/A~~	Temperature Reading:	1.8
Total Containers:		Corrected Temperature:	1.6

ANALYSIS REQUEST

Preservative Codes

None: NO — DI Water: H_2O
Cool: Cool — MeOH: Me
HCL: HC — HNO_3
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 Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	Parameters: BTEX	TPH	Chloride	Sample Comments
FS11	S	01/03/25	1235	4'	Comp	1		X	X	X	
FS12			1225	4'							
SW01			1440	0'-4'							
SW02			1445								
SW03			1320								
SW05			1430								
SW06			1435	↓							
FS13			1540	4'							
FS14	↓	↓	1545	4'	↓	↓		↓	↓	↓	

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010**: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg: 1631 / 245.1 / 7470 / 7471

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		1/6 1620	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Eurofins Carlsbad
1089 N Canal St.
Carlsbad, NM 88220
Phone: 575-988-3199 Fax: 575-988-3199

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Allen, Jodi L	Carrier Tracking No(s): N/A	COC No: 890-4478.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Jodi.Allen@et.eurofinsus.com	State of Origin: Texas	Page: Page 1 of 3
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP - Texas		Job #: 890-7542-1
Address: 1211 W. Florida Ave, ,	Due Date Requested: 1/7/2025			
City: Midland	TAT Requested (days): N/A			
State, Zip: TX, 79701				
Phone: 432-704-5440(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: WESTALL LINE RELEASE	Project #: 89000037			
Site: N/A	SSOW#: N/A			

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 (MOD) Full TPH	8015MOD_Calc	300_ORGFM_28D/DI_LEACH Chloride	8021B/5035FP_Calc (MOD) BTEX - LL	Total_BTEX_GCV	Total Number of containers	Special Instructions/Note:
			Preservation Code:										
FS 01 (890-7542-1)	1/3/25	13:10 Central	G	Solid			X	X	X	X	X	1	
FS 02 (890-7542-2)	1/3/25	13:00 Central	G	Solid			X	X	X	X	X	1	
FS 03 (890-7542-3)	1/3/25	12:50 Central	G	Solid			X	X	X	X	X	1	
FS 04 (890-7542-4)	1/3/25	12:40 Central	G	Solid			X	X	X	X	X	1	
FS 05 (890-7542-5)	1/3/25	12:30 Central	G	Solid			X	X	X	X	X	1	
FS 06 (890-7542-6)	1/3/25	12:20 Central	G	Solid			X	X	X	X	X	1	
FS 07 (890-7542-7)	1/3/25	13:15 Central	G	Solid			X	X	X	X	X	1	
FS 08 (890-7542-8)	1/3/25	13:05 Central	G	Solid			X	X	X	X	X	1	
FS 09 (890-7542-9)	1/3/25	12:55 Central	G	Solid			X	X	X	X	X	1	

Preservation Codes: -

Other: N/A

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:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	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: 10/10/2024

Eurofins Carlsbad
1089 N Canal St.
Carlsbad, NM 88220
Phone: 575-988-3199 Fax: 575-988-3199

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Allen, Jodi L	Carrier Tracking No(s): N/A	COC No: 890-4478.2
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Jodi.Allen@et.eurofinsus.com	State of Origin: Texas	Page: Page 2 of 3
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP - Texas		Job #: 890-7542-1
Address: 1211 W. Florida Ave,	Due Date Requested: 1/7/2025			
City: Midland	TAT Requested (days): N/A			
State, Zip: TX, 79701				
Phone: 432-704-5440(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: WESTALL LINE RELEASE	Project #: 89000037			
Site: N/A	SSOW#: N/A			

Analysis Requested

Preservation Codes:

Other: N/A

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 (MOD) Full TPH	8015MOD_Calc	300_ORGFM_28D/DI_LEACH Chloride	8021B/5035FP_Calc (MOD) BTEX - LL	Total_BTEX_GCV	Total Number of containers	Special Instructions/Note:
Preservation Code:													
FS 10 (890-7542-10)	1/3/25	12:45 Central	G	Solid			X	X	X	X	X	1	
FS 11 (890-7542-11)	1/3/25	12:35 Central	G	Solid			X	X	X	X	X	1	
FS 12 (890-7542-12)	1/3/25	12:25 Central	G	Solid			X	X	X	X	X	1	
SW 01 (890-7542-13)	1/3/25	14:40 Central	G	Solid			X	X	X	X	X	1	
SW 02 (890-7542-14)	1/3/25	14:45 Central	G	Solid			X	X	X	X	X	1	
SW 03 (890-7542-15)	1/3/25	13:20 Central	G	Solid			X	X	X	X	X	1	
SW 05 (890-7542-16)	1/3/25	14:30 Central	G	Solid			X	X	X	X	X	1	
SW 06 (890-7542-17)	1/3/25	14:35 Central	G	Solid			X	X	X	X	X	1	
FS 13 (890-7542-18)	1/3/25	15:40 Central	G	Solid			X	X	X	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	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)***
Unconfirmed	☐ *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:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	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: 10/10/2024

Eurofins Carlsbad
1089 N Canal St.
Carlsbad, NM 88220
Phone: 575-988-3199 Fax: 575-988-3199

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Allen, Jodi L	Carrier Tracking No(s): N/A	COC No: 890-4478.3
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Jodi.Allen@et.eurofinsus.com	State of Origin: Texas	Page: Page 3 of 3
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP - Texas		Job #: 890-7542-1
Address: 1211 W. Florida Ave, ,	Due Date Requested: 1/7/2025			Preservation Codes: -
City: Midland	TAT Requested (days): N/A			
State, Zip: TX, 79701				
Phone: 432-704-5440(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: WESTALL LINE RELEASE	Project #: 89000037			
Site: N/A	SSOW#: N/A			Other: N/A

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 (MOD) Full TPH	8015MOD_Calc	300_ORGFM_28D/DI_LEACH Chloride	8021B/5035FP_Calc (MOD) BTEX - LL	Total_BTEX_GCV	Total Number of containers	Special Instructions/Note:
			Preservation Code:										
FS 14 (890-7542-19)	1/3/25	15:45 Central	G	Solid			X	X	X	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	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ 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:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	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: 10/10/2024

Login Sample Receipt Checklist

Client: CDH Consulting

Job Number: 890-7542-1
SDG Number: LOCO HILLS

Login Number: 7542
List Number: 1
Creator: Bruns, Shannon

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: CDH Consulting

Job Number: 890-7542-1
SDG Number: LOCO HILLS

Login Number: 7542
List Number: 2
Creator: Lee, Randell

List Source: Eurofins Midland
List Creation: 01/07/25 08:20 AM

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

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Michael Wicker
CDH Consulting
9446 Clermont St,
Thornton, Colorado 80229

Generated 1/13/2025 5:20:06 PM

JOB DESCRIPTION

WESTALL LINE RELEASE

JOB NUMBER

890-7564-1

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

Generated
1/13/2025 5:20:06 PM

Authorized for release by
Jodi Allen, Project Manager I
Jodi.Allen@et.eurofinsus.com
(281)520-2865

Client: CDH Consulting
Project/Site: WESTALL LINE RELEASE

Laboratory Job ID: 890-7564-1

Table of Contents

Definitions/Glossary

Client: CDH Consulting
Job ID: 890-7564-1
Project/Site: WESTALL LINE RELEASE

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*1	LCS/LCSD 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.

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: CDH Consulting
Project: WESTALL LINE RELEASE

Job ID: 890-7564-1

Job ID: 890-7564-1 Eurofins Carlsbad

Job Narrative
890-7564-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

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

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

Receipt
The sample was received on 1/10/2025 3:30 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.2°C.

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

Diesel Range Organics
Method 8015MOD_NM: The laboratory control sample duplicate (LCSD) associated with preparation batch 880-100114 and analytical batch 880-100138 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 8015MOD_NM: An incorrect volume of surrogate spiking solution was inadvertently added the following samples: (LCSD 880-100114/3-A). Percent recoveries are based on the amount spiked.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: SW02 0-4 (890-7564-1). 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: CDH Consulting
Project/Site: WESTALL LINE RELEASE

Job ID: 890-7564-1

Client Sample ID: SW02 0-4

Date Collected: 01/10/25 08:14
Date Received: 01/10/25 15:30
Sample Depth: 0-4

Lab Sample ID: 890-7564-1

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		01/13/25 08:01	01/13/25 11:42	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		01/13/25 08:01	01/13/25 11:42	1
Toluene	<0.00202	U	0.00202		mg/Kg		01/13/25 08:01	01/13/25 11:42	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		01/13/25 08:01	01/13/25 11:42	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		01/13/25 08:01	01/13/25 11:42	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		01/13/25 08:01	01/13/25 11:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*130*		*70 - 130*	*01/13/25 08:01*	*01/13/25 11:42*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*01/13/25 08:01*	*01/13/25 11:42*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			01/13/25 11:42	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			01/13/25 12:27	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	<49.8	U *1	49.8		mg/Kg		01/13/25 08:26	01/13/25 12:27	1
Diesel Range Organics (Over C10-C28)	<49.8	U *+ *1	49.8		mg/Kg		01/13/25 08:26	01/13/25 12:27	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		01/13/25 08:26	01/13/25 12:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*73*		*70 - 130*	*01/13/25 08:26*	*01/13/25 12:27*	*1*
o-Terphenyl	*68*	*S1-*	*70 - 130*	*01/13/25 08:26*	*01/13/25 12:27*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**143**		10.1		mg/Kg			01/13/25 10:50	1

Surrogate Summary

Client: CDH Consulting
Project/Site: WESTALL LINE RELEASE

Job ID: 890-7564-1

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)
890-7564-1	SW02 0-4	130	96
LCS 880-100108/1-A	Lab Control Sample	123	96
LCSD 880-100108/2-A	Lab Control Sample Dup	127	94
MB 880-100108/5-A	Method Blank	127	91

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)
890-7564-1	SW02 0-4	73	68 S1-
LCS 880-100114/2-A	Lab Control Sample	90	84
LCSD 880-100114/3-A	Lab Control Sample Dup	159 S1+	138 S1+
MB 880-100114/1-A	Method Blank	90	90

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: CDH Consulting
Project/Site: WESTALL LINE RELEASE

Job ID: 890-7564-1

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-100108/5-A
Matrix: Solid
Analysis Batch: 100111

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 100108

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/13/25 08:01	01/13/25 11:00	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/13/25 08:01	01/13/25 11:00	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/13/25 08:01	01/13/25 11:00	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/13/25 08:01	01/13/25 11:00	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/13/25 08:01	01/13/25 11:00	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/13/25 08:01	01/13/25 11:00	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*127*		*70 - 130*	*01/13/25 08:01*	*01/13/25 11:00*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*01/13/25 08:01*	*01/13/25 11:00*	*1*

Lab Sample ID: LCS 880-100108/1-A
Matrix: Solid
Analysis Batch: 100111

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 100108

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1189		mg/Kg		119	70 - 130		
Ethylbenzene			0.100	0.1163		mg/Kg		116	70 - 130		
Toluene			0.100	0.1138		mg/Kg		114	70 - 130		
m-Xylene & p-Xylene			0.200	0.2387		mg/Kg		119	70 - 130		
o-Xylene			0.100	0.1202		mg/Kg		120	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*123*		*70 - 130*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*

Lab Sample ID: LCSD 880-100108/2-A
Matrix: Solid
Analysis Batch: 100111

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 100108

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1169		mg/Kg		117	70 - 130	2	35
Ethylbenzene			0.100	0.1148		mg/Kg		115	70 - 130	1	35
Toluene			0.100	0.1112		mg/Kg		111	70 - 130	2	35
m-Xylene & p-Xylene			0.200	0.2328		mg/Kg		116	70 - 130	2	35
o-Xylene			0.100	0.1178		mg/Kg		118	70 - 130	2	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*127*		*70 - 130*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*

QC Sample Results

Client: CDH Consulting
Project/Site: WESTALL LINE RELEASE

Job ID: 890-7564-1

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

Lab Sample ID: MB 880-100114/1-A
Matrix: Solid
Analysis Batch: 100138

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 100114

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		01/13/25 08:26	01/13/25 10:10	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/13/25 08:26	01/13/25 10:10	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/13/25 08:26	01/13/25 10:10	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*90*		*70 - 130*	*01/13/25 08:26*	*01/13/25 10:10*	*1*
o-Terphenyl	*90*		*70 - 130*	*01/13/25 08:26*	*01/13/25 10:10*	*1*

Lab Sample ID: LCS 880-100114/2-A
Matrix: Solid
Analysis Batch: 100138

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 100114

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	887.3		mg/Kg		89	70 - 130
Diesel Range Organics (Over C10-C28)	1000	840.1		mg/Kg		84	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*90*		*70 - 130*
o-Terphenyl	*84*		*70 - 130*

Lab Sample ID: LCSD 880-100114/3-A
Matrix: Solid
Analysis Batch: 100138

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 100114

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1180	*1	mg/Kg		118	70 - 130	28	20
Diesel Range Organics (Over C10-C28)	1000	1375	*+ *1	mg/Kg		138	70 - 130	48	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*159*	*S1+*	*70 - 130*
o-Terphenyl	*138*	*S1+*	*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-100105/1-A
Matrix: Solid
Analysis Batch: 100115

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			01/13/25 09:40	1

QC Sample Results

Client: CDH Consulting
Project/Site: WESTALL LINE RELEASE

Job ID: 890-7564-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-100105/2-A
Matrix: Solid
Analysis Batch: 100115

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	244.4		mg/Kg		98	90 - 110		

Lab Sample ID: LCSD 880-100105/3-A
Matrix: Solid
Analysis Batch: 100115

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	245.3		mg/Kg		98	90 - 110	0	20

QC Association Summary

Client: CDH Consulting
Project/Site: WESTALL LINE RELEASE

Job ID: 890-7564-1

GC VOA

Prep Batch: 100108

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7564-1	SW02 0-4	Total/NA	Solid	5035	
MB 880-100108/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-100108/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-100108/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 100111

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7564-1	SW02 0-4	Total/NA	Solid	8021B	100108
MB 880-100108/5-A	Method Blank	Total/NA	Solid	8021B	100108
LCS 880-100108/1-A	Lab Control Sample	Total/NA	Solid	8021B	100108
LCSD 880-100108/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	100108

Analysis Batch: 100161

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7564-1	SW02 0-4	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 100114

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7564-1	SW02 0-4	Total/NA	Solid	8015NM Prep	
MB 880-100114/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-100114/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-100114/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 100138

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7564-1	SW02 0-4	Total/NA	Solid	8015B NM	100114
MB 880-100114/1-A	Method Blank	Total/NA	Solid	8015B NM	100114
LCS 880-100114/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	100114
LCSD 880-100114/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	100114

Analysis Batch: 100157

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7564-1	SW02 0-4	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 100105

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7564-1	SW02 0-4	Soluble	Solid	DI Leach	
MB 880-100105/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-100105/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-100105/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 100115

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7564-1	SW02 0-4	Soluble	Solid	300.0	100105
MB 880-100105/1-A	Method Blank	Soluble	Solid	300.0	100105
LCS 880-100105/2-A	Lab Control Sample	Soluble	Solid	300.0	100105
LCSD 880-100105/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	100105

Lab Chronicle

Client: CDH Consulting
Project/Site: WESTALL LINE RELEASE

Job ID: 890-7564-1

Client Sample ID: SW02 0-4

Date Collected: 01/10/25 08:14
Date Received: 01/10/25 15:30

Lab Sample ID: 890-7564-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			100108	MNR	EET MID	01/13/25 08:01
Total/NA	Analysis	8021B		1	100111	MNR	EET MID	01/13/25 11:42
Total/NA	Analysis	Total BTEX		1	100161	SM	EET MID	01/13/25 11:42
Total/NA	Analysis	8015 NM		1	100157	SM	EET MID	01/13/25 12:27
Total/NA	Prep	8015NM Prep			100114	EL	EET MID	01/13/25 08:26
Total/NA	Analysis	8015B NM		1	100138	TKC	EET MID	01/13/25 12:27
Soluble	Leach	DI Leach			100105	SA	EET MID	01/13/25 07:53
Soluble	Analysis	300.0		1	100115	CH	EET MID	01/13/25 10:50

Laboratory References:

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

Accreditation/Certification Summary

Client: CDH Consulting
Job ID: 890-7564-1
Project/Site: WESTALL LINE RELEASE

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	06-30-25

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
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: CDH Consulting
Project/Site: WESTALL LINE RELEASE

Job ID: 890-7564-1

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: CDH Consulting
Project/Site: WESTALL LINE RELEASE

Job ID: 890-7564-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-7564-1	SW02 0-4	Solid	01/10/25 08:14	01/10/25 15:30	0-4

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Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334
EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199
Little Rock, AR (501) 224-5060

Work Orc 890-7564 Chain of Custody

1/13/2025

Page 1 of 1

Project Manager:	Michael Wicker	Bill to: (if different)	CDH Consulting
Company Name:	Ahr Cypress	Company Name:	
Address:		Address:	
City, State ZIP:		City, State ZIP:	
Phone:	616-970-8459	Email:	MWicker@cdhconsult.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Westall Line Release	Turn Around	
Project Number:		☐ Routine ☒ Rush	
Project Location:	Loco Hills NM	Due Date:	1-13-2025
Sampler's Name:	Elizabeth Naka	TAT starts the day received by the lab, if received by 4:30pm	
PO #:			

SAMPLE RECEIPT				
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No	
Samples Received Intact:	(Yes) No	Thermometer ID:	IR#007	
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2	
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	2.4	
Total Containers:		Corrected Temperature:	2.2	

ANALYSIS REQUEST

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	Parameters: BTEX	TPH	Chloride
SW02-0'-4'	S	1-10-2025	08:14	0'-4'	C	1		X	X	X

Preservative Codes

None: NO — DI Water: H_2O
Cool: Cool — MeOH: Me
HCL: HC — HNO_3
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

Page 16 of 18

~~Total 200.7 / 6010 200.8 / 6020:~~ 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K ~~Se~~ Ag SiO_2 Na Sr Tl ~~Sn~~ U V Zn

Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010**: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg: 1631 / 245.1 / 7470 / 7471

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1	2	1/10 1530	4		
3			6		
5					

Revised Date: 08/25/2020 Rev. 2020.2

Login Sample Receipt Checklist

Client: CDH Consulting Job Number: 890-7564-1

Login Number: 7564 **List Source: Eurofins Carlsbad**
List Number: 1
Creator: Lopez, Abraham

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: CDH Consulting Job Number: 890-7564-1

Login Number: 7564
List Number: 2
Creator: Laing, Edmundo

List Source: Eurofins Midland
List Creation: 01/13/25 08:12 AM

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

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ANALYTICAL REPORT

PREPARED FOR

Attn: Michael Wicker
CDH Consulting
9446 Clermont St,
Thornton, Colorado 80229

Generated 2/26/2025 3:13:18 PM

JOB DESCRIPTION

WESTALL LINE RELEASE
LOCO HILLS

JOB NUMBER

890-7712-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

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

Generated
2/26/2025 3:13:18 PM

Authorized for release by
Jodi Allen, Project Manager I
Jodi.Allen@et.eurofinsus.com
(281)520-2865

Client: CDH Consulting
Project/Site: WESTALL LINE RELEASE

Laboratory Job ID: 890-7712-1
SDG: LOCO HILLS

Table of Contents

Definitions/Glossary

Client: CDH Consulting
Project/Site: WESTALL LINE RELEASE

Job ID: 890-7712-1
SDG: LOCO HILLS

Qualifiers

GC VOA

Qualifier	Qualifier Description
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: CDH Consulting
Project: WESTALL LINE RELEASE

Job ID: 890-7712-1

Job ID: 890-7712-1 Eurofins Carlsbad

Job Narrative
890-7712-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

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

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

Receipt
The sample was received on 2/24/2025 3:30 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.0°C.

Receipt Exceptions
The following sample was received and analyzed from an unpreserved bulk soil jar: BACKFILL (890-7712-1).

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

Diesel Range Organics
Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: BACKFILL (890-7712-1). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-103582 and analytical batch 880-103632 was outside the upper control limits.

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

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

Client Sample Results

Client: CDH Consulting
Project/Site: WESTALL LINE RELEASE

Job ID: 890-7712-1
SDG: LOCO HILLS

Client Sample ID: BACKFILL

Date Collected: 02/22/25 14:28
Date Received: 02/24/25 15:30
Sample Depth: 0.5 - 2'

Lab Sample ID: 890-7712-1

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/25/25 11:38	02/25/25 14:20	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/25/25 11:38	02/25/25 14:20	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/25/25 11:38	02/25/25 14:20	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/25/25 11:38	02/25/25 14:20	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/25/25 11:38	02/25/25 14:20	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/25/25 11:38	02/25/25 14:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*02/25/25 11:38*	*02/25/25 14:20*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*02/25/25 11:38*	*02/25/25 14:20*	*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			02/25/25 14:20	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			02/25/25 11:40	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		02/24/25 17:22	02/25/25 11:40	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/24/25 17:22	02/25/25 11:40	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/24/25 17:22	02/25/25 11:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*133*	*S1+*	*70 - 130*	*02/24/25 17:22*	*02/25/25 11:40*	*1*
o-Terphenyl	*105*		*70 - 130*	*02/24/25 17:22*	*02/25/25 11:40*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1200**		49.8		mg/Kg			02/25/25 22:00	5

Surrogate Summary

Client: CDH Consulting
Project/Site: WESTALL LINE RELEASE

Job ID: 890-7712-1
SDG: LOCO HILLS

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)
890-7712-1	BACKFILL	102	92
LCS 880-103561/1-A	Lab Control Sample	93	103
LCSD 880-103561/2-A	Lab Control Sample Dup	96	103
MB 880-103561/5-A	Method Blank	92	92

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)
890-7712-1	BACKFILL	133 S1+	105
LCS 880-103582/2-A	Lab Control Sample	112	100
LCSD 880-103582/3-A	Lab Control Sample Dup	110	99
MB 880-103582/1-A	Method Blank	136 S1+	107

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: CDH Consulting
Project/Site: WESTALL LINE RELEASE

Job ID: 890-7712-1
SDG: LOCO HILLS

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-103561/5-A
Matrix: Solid
Analysis Batch: 103617

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 103561

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/24/25 16:08	02/25/25 11:56	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/24/25 16:08	02/25/25 11:56	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/24/25 16:08	02/25/25 11:56	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/24/25 16:08	02/25/25 11:56	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/24/25 16:08	02/25/25 11:56	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/24/25 16:08	02/25/25 11:56	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*	*02/24/25 16:08*	*02/25/25 11:56*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*02/24/25 16:08*	*02/25/25 11:56*	*1*

Lab Sample ID: LCS 880-103561/1-A
Matrix: Solid
Analysis Batch: 103617

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 103561

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1032		mg/Kg		103	70 - 130		
Ethylbenzene			0.100	0.1026		mg/Kg		103	70 - 130		
Toluene			0.100	0.1026		mg/Kg		103	70 - 130		
m-Xylene & p-Xylene			0.200	0.1918		mg/Kg		96	70 - 130		
o-Xylene			0.100	0.1061		mg/Kg		106	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*

Lab Sample ID: LCSD 880-103561/2-A
Matrix: Solid
Analysis Batch: 103617

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 103561

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1067		mg/Kg		107	70 - 130	3	35
Ethylbenzene			0.100	0.1047		mg/Kg		105	70 - 130	2	35
Toluene			0.100	0.1049		mg/Kg		105	70 - 130	2	35
m-Xylene & p-Xylene			0.200	0.1936		mg/Kg		97	70 - 130	1	35
o-Xylene			0.100	0.1079		mg/Kg		108	70 - 130	2	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*

QC Sample Results

Client: CDH Consulting
Project/Site: WESTALL LINE RELEASE

Job ID: 890-7712-1
SDG: LOCO HILLS

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

Lab Sample ID: MB 880-103582/1-A
Matrix: Solid
Analysis Batch: 103632

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 103582

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		02/24/25 17:19	02/25/25 02:34	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/24/25 17:19	02/25/25 02:34	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/24/25 17:19	02/25/25 02:34	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*136*	*S1+*	*70 - 130*	*02/24/25 17:19*	*02/25/25 02:34*	*1*
o-Terphenyl	*107*		*70 - 130*	*02/24/25 17:19*	*02/25/25 02:34*	*1*

Lab Sample ID: LCS 880-103582/2-A
Matrix: Solid
Analysis Batch: 103632

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 103582

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1044		mg/Kg		104	70 - 130
Diesel Range Organics (Over C10-C28)	1000	939.6		mg/Kg		94	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*112*		*70 - 130*
o-Terphenyl	*100*		*70 - 130*

Lab Sample ID: LCSD 880-103582/3-A
Matrix: Solid
Analysis Batch: 103632

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 103582

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1048		mg/Kg		105	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	1000	929.1		mg/Kg		93	70 - 130	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*110*		*70 - 130*
o-Terphenyl	*99*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-103611/1-A
Matrix: Solid
Analysis Batch: 103651

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			02/25/25 18:57	1

QC Sample Results

Client: CDH Consulting
Project/Site: WESTALL LINE RELEASE

Job ID: 890-7712-1
SDG: LOCO HILLS

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-103611/2-A
Matrix: Solid
Analysis Batch: 103651

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	249.7		mg/Kg		100	90 - 110		

Lab Sample ID: LCSD 880-103611/3-A
Matrix: Solid
Analysis Batch: 103651

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	250.5		mg/Kg		100	90 - 110	0	20

QC Association Summary

Client: CDH Consulting
Project/Site: WESTALL LINE RELEASE

Job ID: 890-7712-1
SDG: LOCO HILLS

GC VOA

Prep Batch: 103561

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7712-1	BACKFILL	Total/NA	Solid	5035	
MB 880-103561/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-103561/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-103561/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 103617

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7712-1	BACKFILL	Total/NA	Solid	8021B	103561
MB 880-103561/5-A	Method Blank	Total/NA	Solid	8021B	103561
LCS 880-103561/1-A	Lab Control Sample	Total/NA	Solid	8021B	103561
LCSD 880-103561/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	103561

Analysis Batch: 103676

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7712-1	BACKFILL	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 103582

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7712-1	BACKFILL	Total/NA	Solid	8015NM Prep	
MB 880-103582/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-103582/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-103582/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 103632

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7712-1	BACKFILL	Total/NA	Solid	8015B NM	103582
MB 880-103582/1-A	Method Blank	Total/NA	Solid	8015B NM	103582
LCS 880-103582/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	103582
LCSD 880-103582/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	103582

Analysis Batch: 103669

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7712-1	BACKFILL	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 103611

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7712-1	BACKFILL	Soluble	Solid	DI Leach	
MB 880-103611/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-103611/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-103611/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 103651

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7712-1	BACKFILL	Soluble	Solid	300.0	103611
MB 880-103611/1-A	Method Blank	Soluble	Solid	300.0	103611
LCS 880-103611/2-A	Lab Control Sample	Soluble	Solid	300.0	103611
LCSD 880-103611/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	103611

Lab Chronicle

Client: CDH Consulting
Project/Site: WESTALL LINE RELEASE

Job ID: 890-7712-1
SDG: LOCO HILLS

Client Sample ID: BACKFILL
Date Collected: 02/22/25 14:28
Date Received: 02/24/25 15:30

Lab Sample ID: 890-7712-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			103561	MNR	EET MID	02/25/25 11:38
Total/NA	Analysis	8021B		1	103617	MNR	EET MID	02/25/25 14:20
Total/NA	Analysis	Total BTEX		1	103676	AJ	EET MID	02/25/25 14:20
Total/NA	Analysis	8015 NM		1	103669	AJ	EET MID	02/25/25 11:40
Total/NA	Prep	8015NM Prep			103582	EL	EET MID	02/24/25 17:22
Total/NA	Analysis	8015B NM		1	103632	TKC	EET MID	02/25/25 11:40
Soluble	Leach	DI Leach			103611	SA	EET MID	02/25/25 09:17
Soluble	Analysis	300.0		5	103651	CH	EET MID	02/25/25 22:00

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

Accreditation/Certification Summary

Client: CDH Consulting
Project/Site: WESTALL LINE RELEASE

Job ID: 890-7712-1
SDG: LOCO HILLS

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	06-30-25

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
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: CDH Consulting
Project/Site: WESTALL LINE RELEASE

Job ID: 890-7712-1
SDG: LOCO HILLS

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: CDH Consulting
Project/Site: WESTALL LINE RELEASE

Job ID: 890-7712-1
SDG: LOCO HILLS

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-7712-1	BACKFILL	Solid	02/22/25 14:28	02/24/25 15:30	0.5 - 2'

eurofins | Environment Testing

Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334
EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199
Little Rock, AR (501) 224-5060

Work Order No: _____

Page 1 of 1

Project Manager:	Michael Wicker	Bill to: (if different)	EDH Consulting
Company Name:	Mr NM operating	Company Name:	
Address:		Address:	
City, State ZIP:		City, State ZIP:	
Phone:	616-970-8459	Email:	MWicker@edhconsulti.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Westall Line Release	Turn Around	
Project Number:		☐ Routine ☒ Rush	
Project Location:	Loco Hills NM	Due Date:	1-25-2025
Sampler's Name:	Bronson Thacker	TAT starts the day received by the lab, if received by 4:30pm	
PO #:			

SAMPLE RECEIPT				
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No	
Samples Received Intact:	(Yes) No	Thermometer ID:	TMNC07	
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2	
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	-0.2	
Total Containers:		Corrected Temperature:	0	

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code
Backfill	S	1-22-2025	14:28	0.5-1'	C	1	

Parameters: NM BGDOC

ANALYSIS REQUEST

890-7712 Chain of Custody

Preservative Codes

None: NO — DI Water: H_2O
Cool: Cool — MeOH: Me
HCL: HC — HNO_3
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

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na ~~Sr~~ Tl ~~Sn~~ U V Zn

Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010:** 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg: 1631 / 245.1 / 7470 / 7471

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

	Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1			2.3.4 13:30	2		
3				4		
5				6		

Revised Date: 08/25/2020 Rev. 2020.2

Login Sample Receipt Checklist

Client: CDH Consulting

Job Number: 890-7712-1
SDG Number: LOCO HILLS

Login Number: 7712
List Number: 1
Creator: Bruns, Shannon

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	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Michael Wicker
CDH Consulting
9446 Clermont St,
Thornton, Colorado 80229

Generated 3/6/2025 5:53:59 PM

JOB DESCRIPTION

WESTALL LINE RELEASE
LOCO HILLS

JOB NUMBER

890-7773-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

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

Generated
3/6/2025 5:53:59 PM

Authorized for release by
Jodi Allen, Project Manager I
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(281)520-2865

Client: CDH Consulting
Project/Site: WESTALL LINE RELEASE

Laboratory Job ID: 890-7773-1
SDG: LOCO HILLS

Table of Contents

Definitions/Glossary

Client: CDH Consulting
Project/Site: WESTALL LINE RELEASE

Job ID: 890-7773-1
SDG: LOCO HILLS

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
S1-	Surrogate recovery exceeds control limits, low 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: CDH Consulting
Project: WESTALL LINE RELEASE

Job ID: 890-7773-1

Job ID: 890-7773-1 Eurofins Carlsbad

Job Narrative
890-7773-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

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

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

Receipt
The samples were received on 3/5/2025 1:40 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.0°C.

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: TOPSOIL (890-7773-1) and BACKFILL (890-7773-2).

GC VOA
Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-104555 and analytical batch 880-104558 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.

Diesel Range Organics
Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-104525 and analytical batch 880-104415 was outside the upper control limits.

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

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

Client Sample Results

Client: CDH Consulting
Project/Site: WESTALL LINE RELEASE

Job ID: 890-7773-1
SDG: LOCO HILLS

Client Sample ID: TOPSOIL

Lab Sample ID: 890-7773-1
Matrix: Solid
Date Collected: 03/04/25 09:32
Date Received: 03/05/25 13:40
Sample Depth: 3"-9"

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U F1	0.00200		mg/Kg		03/05/25 18:00	03/06/25 12:02	1
Ethylbenzene	<0.00200	U F1	0.00200		mg/Kg		03/05/25 18:00	03/06/25 12:02	1
Toluene	<0.00200	U F1	0.00200		mg/Kg		03/05/25 18:00	03/06/25 12:02	1
Xylenes, Total	<0.00399	U F1	0.00399		mg/Kg		03/05/25 18:00	03/06/25 12:02	1
m-Xylene & p-Xylene	<0.00399	U F1	0.00399		mg/Kg		03/05/25 18:00	03/06/25 12:02	1
o-Xylene	<0.00200	U F1	0.00200		mg/Kg		03/05/25 18:00	03/06/25 12:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*03/05/25 18:00*	*03/06/25 12:02*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*03/05/25 18:00*	*03/06/25 12:02*	*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			03/06/25 12:02	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			03/06/25 02:01	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		03/05/25 20:25	03/06/25 02:01	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		03/05/25 20:25	03/06/25 02:01	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		03/05/25 20:25	03/06/25 02:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*97*		*70 - 130*	*03/05/25 20:25*	*03/06/25 02:01*	*1*
o-Terphenyl	*89*		*70 - 130*	*03/05/25 20:25*	*03/06/25 02:01*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**127**		10.0		mg/Kg			03/06/25 17:19	1

Client Sample ID: BACKFILL

Lab Sample ID: 890-7773-2
Matrix: Solid
Date Collected: 03/04/25 09:48
Date Received: 03/05/25 13:40
Sample Depth: 2.5'-3'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		03/05/25 18:00	03/06/25 12:23	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		03/05/25 18:00	03/06/25 12:23	1
Toluene	<0.00202	U	0.00202		mg/Kg		03/05/25 18:00	03/06/25 12:23	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		03/05/25 18:00	03/06/25 12:23	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		03/05/25 18:00	03/06/25 12:23	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		03/05/25 18:00	03/06/25 12:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*03/05/25 18:00*	*03/06/25 12:23*	*1*

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Client Sample Results

Client: CDH Consulting
Project/Site: WESTALL LINE RELEASE

Job ID: 890-7773-1
SDG: LOCO HILLS

Client Sample ID: BACKFILL
Date Collected: 03/04/25 09:48
Date Received: 03/05/25 13:40
Sample Depth: 2.5'-3'

Lab Sample ID: 890-7773-2
Matrix: Solid

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*03/05/25 18:00*	*03/06/25 12:23*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			03/06/25 12:23	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			03/06/25 02:01	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		03/05/25 20:27	03/06/25 02:01	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		03/05/25 20:27	03/06/25 02:01	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		03/05/25 20:27	03/06/25 02:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*77*		*70 - 130*	*03/05/25 20:27*	*03/06/25 02:01*	*1*
o-Terphenyl	*81*		*70 - 130*	*03/05/25 20:27*	*03/06/25 02:01*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**160**		10.0		mg/Kg			03/06/25 17:26	1

Surrogate Summary

Client: CDH Consulting
Project/Site: WESTALL LINE RELEASE

Job ID: 890-7773-1
SDG: LOCO HILLS

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)
890-7773-1	TOPSOIL	102	91
890-7773-1 MS	TOPSOIL	109	89
890-7773-1 MSD	TOPSOIL	101	91
890-7773-2	BACKFILL	106	89
LCS 880-104555/1-A	Lab Control Sample	98	91
LCSD 880-104555/2-A	Lab Control Sample Dup	98	93
MB 880-104555/5-A	Method Blank	100	83

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)
890-7773-1	TOPSOIL	97	89
890-7773-2	BACKFILL	77	81
LCS 880-104524/2-A	Lab Control Sample	118	105
LCS 880-104525/2-A	Lab Control Sample	100	98
LCSD 880-104524/3-A	Lab Control Sample Dup	118	105
LCSD 880-104525/3-A	Lab Control Sample Dup	100	98
MB 880-104524/1-A	Method Blank	83	76
MB 880-104525/1-A	Method Blank	69 S1-	72

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: CDH Consulting
Project/Site: WESTALL LINE RELEASE

Job ID: 890-7773-1
SDG: LOCO HILLS

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-104555/5-A
Matrix: Solid
Analysis Batch: 104558

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 104555

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/05/25 18:00	03/06/25 11:40	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/05/25 18:00	03/06/25 11:40	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/05/25 18:00	03/06/25 11:40	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/05/25 18:00	03/06/25 11:40	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/05/25 18:00	03/06/25 11:40	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/05/25 18:00	03/06/25 11:40	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*03/05/25 18:00*	*03/06/25 11:40*	*1*
1,4-Difluorobenzene (Surr)	*83*		*70 - 130*	*03/05/25 18:00*	*03/06/25 11:40*	*1*

Lab Sample ID: LCS 880-104555/1-A
Matrix: Solid
Analysis Batch: 104558

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 104555

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08388		mg/Kg		84	70 - 130
Ethylbenzene	0.100	0.07803		mg/Kg		78	70 - 130
Toluene	0.100	0.07655		mg/Kg		77	70 - 130
m-Xylene & p-Xylene	0.200	0.1596		mg/Kg		80	70 - 130
o-Xylene	0.100	0.08477		mg/Kg		85	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*

Lab Sample ID: LCSD 880-104555/2-A
Matrix: Solid
Analysis Batch: 104558

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 104555

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09037		mg/Kg		90	70 - 130	7	35
Ethylbenzene	0.100	0.08451		mg/Kg		85	70 - 130	8	35
Toluene	0.100	0.08163		mg/Kg		82	70 - 130	6	35
m-Xylene & p-Xylene	0.200	0.1718		mg/Kg		86	70 - 130	7	35
o-Xylene	0.100	0.08976		mg/Kg		90	70 - 130	6	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*

Lab Sample ID: 890-7773-1 MS
Matrix: Solid
Analysis Batch: 104558

Client Sample ID: TOPSOIL
Prep Type: Total/NA
Prep Batch: 104555

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U F1	0.100	0.03992	F1	mg/Kg		40	70 - 130
Ethylbenzene	<0.00200	U F1	0.100	0.04500	F1	mg/Kg		45	70 - 130

QC Sample Results

Client: CDH Consulting
Project/Site: WESTALL LINE RELEASE

Job ID: 890-7773-1
SDG: LOCO HILLS

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

Lab Sample ID: 890-7773-1 MS
Matrix: Solid
Analysis Batch: 104558

Client Sample ID: TOPSOIL
Prep Type: Total/NA
Prep Batch: 104555

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Toluene	<0.00200	U F1	0.100	0.04061	F1	mg/Kg		41	70 - 130
m-Xylene & p-Xylene	<0.00399	U F1	0.200	0.09331	F1	mg/Kg		47	70 - 130
o-Xylene	<0.00200	U F1	0.100	0.05085	F1	mg/Kg		51	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*

Lab Sample ID: 890-7773-1 MSD
Matrix: Solid
Analysis Batch: 104558

Client Sample ID: TOPSOIL
Prep Type: Total/NA
Prep Batch: 104555

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U F1	0.100	0.05621	F1	mg/Kg		56	70 - 130	34	35
Ethylbenzene	<0.00200	U F1	0.100	0.05819	F1	mg/Kg		58	70 - 130	26	35
Toluene	<0.00200	U F1	0.100	0.05391	F1	mg/Kg		54	70 - 130	28	35
m-Xylene & p-Xylene	<0.00399	U F1	0.200	0.1192	F1	mg/Kg		60	70 - 130	24	35
o-Xylene	<0.00200	U F1	0.100	0.06269	F1	mg/Kg		63	70 - 130	21	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*

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

Lab Sample ID: MB 880-104524/1-A
Matrix: Solid
Analysis Batch: 104413

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 104524

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		03/05/25 20:24	03/05/25 18:22	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/05/25 20:24	03/05/25 18:22	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/05/25 20:24	03/05/25 18:22	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*83*		*70 - 130*	*03/05/25 20:24*	*03/05/25 18:22*	*1*
o-Terphenyl	*76*		*70 - 130*	*03/05/25 20:24*	*03/05/25 18:22*	*1*

Lab Sample ID: LCS 880-104524/2-A
Matrix: Solid
Analysis Batch: 104413

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 104524

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1176		mg/Kg		118	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1140		mg/Kg		114	70 - 130

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QC Sample Results

Client: CDH Consulting
Project/Site: WESTALL LINE RELEASE

Job ID: 890-7773-1
SDG: LOCO HILLS

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

Lab Sample ID: LCS 880-104524/2-A
Matrix: Solid
Analysis Batch: 104413

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 104524

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	118		70 - 130
o-Terphenyl	105		70 - 130

Lab Sample ID: LCSD 880-104524/3-A
Matrix: Solid
Analysis Batch: 104413

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 104524

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1152		mg/Kg		115	70 - 130	2	20
Diesel Range Organics (Over C10-C28)			1000	1159		mg/Kg		116	70 - 130	2	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	118		70 - 130
o-Terphenyl	105		70 - 130

Lab Sample ID: MB 880-104525/1-A
Matrix: Solid
Analysis Batch: 104415

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 104525

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		03/05/25 20:27	03/05/25 18:22	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/05/25 20:27	03/05/25 18:22	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/05/25 20:27	03/05/25 18:22	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	69	S1-	70 - 130	03/05/25 20:27	03/05/25 18:22	1
o-Terphenyl	72		70 - 130	03/05/25 20:27	03/05/25 18:22	1

Lab Sample ID: LCS 880-104525/2-A
Matrix: Solid
Analysis Batch: 104415

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 104525

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10			1000	942.4		mg/Kg		94	70 - 130
Diesel Range Organics (Over C10-C28)			1000	1065		mg/Kg		106	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	100		70 - 130
o-Terphenyl	98		70 - 130

QC Sample Results

Client: CDH Consulting
Project/Site: WESTALL LINE RELEASE

Job ID: 890-7773-1
SDG: LOCO HILLS

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

Lab Sample ID: LCSD 880-104525/3-A
Matrix: Solid
Analysis Batch: 104415

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 104525

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	952.6		mg/Kg		95	70 - 130	1	20
Diesel Range Organics (Over C10-C28)			1000	1081		mg/Kg		108	70 - 130	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*100*		*70 - 130*
o-Terphenyl	*98*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-104570/1-A
Matrix: Solid
Analysis Batch: 104584

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			03/06/25 11:52	1

Lab Sample ID: LCS 880-104570/2-A
Matrix: Solid
Analysis Batch: 104584

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	237.9		mg/Kg		95	90 - 110		

Lab Sample ID: LCSD 880-104570/3-A
Matrix: Solid
Analysis Batch: 104584

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	239.4		mg/Kg		96	90 - 110	1	20

QC Association Summary

Client: CDH Consulting
Project/Site: WESTALL LINE RELEASE

Job ID: 890-7773-1
SDG: LOCO HILLS

GC VOA

Prep Batch: 104555

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7773-1	TOPSOIL	Total/NA	Solid	5035	
890-7773-2	BACKFILL	Total/NA	Solid	5035	
MB 880-104555/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-104555/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-104555/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-7773-1 MS	TOPSOIL	Total/NA	Solid	5035	
890-7773-1 MSD	TOPSOIL	Total/NA	Solid	5035	

Analysis Batch: 104558

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7773-1	TOPSOIL	Total/NA	Solid	8021B	104555
890-7773-2	BACKFILL	Total/NA	Solid	8021B	104555
MB 880-104555/5-A	Method Blank	Total/NA	Solid	8021B	104555
LCS 880-104555/1-A	Lab Control Sample	Total/NA	Solid	8021B	104555
LCSD 880-104555/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	104555
890-7773-1 MS	TOPSOIL	Total/NA	Solid	8021B	104555
890-7773-1 MSD	TOPSOIL	Total/NA	Solid	8021B	104555

Analysis Batch: 104655

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7773-1	TOPSOIL	Total/NA	Solid	Total BTEX	
890-7773-2	BACKFILL	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 104413

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7773-1	TOPSOIL	Total/NA	Solid	8015B NM	104524
MB 880-104524/1-A	Method Blank	Total/NA	Solid	8015B NM	104524
LCS 880-104524/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	104524
LCSD 880-104524/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	104524

Analysis Batch: 104415

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7773-2	BACKFILL	Total/NA	Solid	8015B NM	104525
MB 880-104525/1-A	Method Blank	Total/NA	Solid	8015B NM	104525
LCS 880-104525/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	104525
LCSD 880-104525/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	104525

Prep Batch: 104524

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7773-1	TOPSOIL	Total/NA	Solid	8015NM Prep	
MB 880-104524/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-104524/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-104524/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Prep Batch: 104525

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7773-2	BACKFILL	Total/NA	Solid	8015NM Prep	
MB 880-104525/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-104525/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: CDH Consulting
Project/Site: WESTALL LINE RELEASE

Job ID: 890-7773-1
SDG: LOCO HILLS

GC Semi VOA (Continued)

Prep Batch: 104525 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-104525/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 104579

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7773-1	TOPSOIL	Total/NA	Solid	8015 NM	
890-7773-2	BACKFILL	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 104570

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7773-1	TOPSOIL	Soluble	Solid	DI Leach	
890-7773-2	BACKFILL	Soluble	Solid	DI Leach	
MB 880-104570/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-104570/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-104570/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 104584

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7773-1	TOPSOIL	Soluble	Solid	300.0	104570
890-7773-2	BACKFILL	Soluble	Solid	300.0	104570
MB 880-104570/1-A	Method Blank	Soluble	Solid	300.0	104570
LCS 880-104570/2-A	Lab Control Sample	Soluble	Solid	300.0	104570
LCSD 880-104570/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	104570

Lab Chronicle

Client: CDH Consulting
Project/Site: WESTALL LINE RELEASE

Job ID: 890-7773-1
SDG: LOCO HILLS

Client Sample ID: TOPSOIL

Lab Sample ID: 890-7773-1
Matrix: Solid
Date Collected: 03/04/25 09:32
Date Received: 03/05/25 13:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			104555	MNR	EET MID	03/05/25 18:00
Total/NA	Analysis	8021B		1	104558	MNR	EET MID	03/06/25 12:02
Total/NA	Analysis	Total BTEX		1	104655	AJ	EET MID	03/06/25 12:02
Total/NA	Analysis	8015 NM		1	104579	AJ	EET MID	03/06/25 02:01
Total/NA	Prep	8015NM Prep			104524	TKC	EET MID	03/05/25 20:25
Total/NA	Analysis	8015B NM		1	104413	TKC	EET MID	03/06/25 02:01
Soluble	Leach	DI Leach			104570	SA	EET MID	03/06/25 09:35
Soluble	Analysis	300.0		1	104584	CH	EET MID	03/06/25 17:19

Client Sample ID: BACKFILL

Lab Sample ID: 890-7773-2
Matrix: Solid
Date Collected: 03/04/25 09:48
Date Received: 03/05/25 13:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			104555	MNR	EET MID	03/05/25 18:00
Total/NA	Analysis	8021B		1	104558	MNR	EET MID	03/06/25 12:23
Total/NA	Analysis	Total BTEX		1	104655	AJ	EET MID	03/06/25 12:23
Total/NA	Analysis	8015 NM		1	104579	AJ	EET MID	03/06/25 02:01
Total/NA	Prep	8015NM Prep			104525	TKC	EET MID	03/05/25 20:27
Total/NA	Analysis	8015B NM		1	104415	TKC	EET MID	03/06/25 02:01
Soluble	Leach	DI Leach			104570	SA	EET MID	03/06/25 09:35
Soluble	Analysis	300.0		1	104584	CH	EET MID	03/06/25 17:26

Laboratory References:

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

Accreditation/Certification Summary

Client: CDH Consulting
Project/Site: WESTALL LINE RELEASE

Job ID: 890-7773-1
SDG: LOCO HILLS

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	06-30-25

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
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: CDH Consulting
Project/Site: WESTALL LINE RELEASE

Job ID: 890-7773-1
SDG: LOCO HILLS

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: CDH Consulting
Project/Site: WESTALL LINE RELEASE

Job ID: 890-7773-1
SDG: LOCO HILLS

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-7773-1	TOPSOIL	Solid	03/04/25 09:32	03/05/25 13:40	3"-9"
890-7773-2	BACKFILL	Solid	03/04/25 09:48	03/05/25 13:40	2.5'-3'

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Chain of Custody

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

Work Order No: _____

www.xenco.com Page 1 of 1

Project Manager:	Michael Wicker	Bill to: (if different)	CDH Consulting
Company Name:	Mr NM operating	Company Name:	
Address:		Address:	
City, State ZIP:		City, State ZIP:	
Phone:	616-970-8459	Email:	MWicker@cdhconsult.com

Work Order Comments
Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Westall Line Release	Turn Around	
Project Number:		☐ Routine ☒ Rush	
Project Location:	Loco Hills NM	Due Date:	3/6/2025
Sampler's Name:	Dakoatah Cueto	TAT starts the day received by the lab, if received by 4:30pm	
PO #:			

SAMPLE RECEIPT				
Temp Blank:	Yes No	Wet Ice:	Yes No	
Samples Received Intact:	Yes No	Thermometer ID:	INMA2	
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.2	
Sample Custody Seals:	Yes No N/A	Temperature Reading:	4.2	
Total Containers:		Corrected Temperature:	4.0	

ANALYSIS REQUEST

Pres. Code / Parameters: UnBlgDoc

890-7773 Chain of Custody

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	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont
Topsoil	S	3/4/2025	09:32	3"-9"	C	1
Backfill	S	3/4/2025	09:48	2.5-3'	C	1

Sample Comments

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010 : 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg: 1631 / 245.1 / 7470 / 7471

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

	Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1	Dakoatah Cueto		3/5 1540	2		
3				4		
5				6		

Revised Date: 08/25/2020 Rev. 2020.2

Eurofins Carlsbad
1089 N Canal St.
Carlsbad, NM 88220
Phone: 575-988-3199 Fax: 575-988-3199

Chain of Custody Record

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Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Allen, Jodi L	Carrier Tracking No(s): N/A	COC No: 890-4693.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Jodi.Allen@et.eurofinsus.com	State of Origin: Texas	Page: Page 1 of 1
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP - Texas		Job #: 890-7773-1
Address: 1211 W. Florida Ave, ,	Due Date Requested: 3/6/2025			Preservation Codes: -
City: Midland	TAT Requested (days): N/A			
State, Zip: TX, 79701				
Phone: 432-704-5440(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: WESTALL LINE RELEASE	Project #: 89000037			
Site: N/A	SSOW#: N/A			Other: N/A

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 (MOD) Full TPH	8015MOD_Calc	300_ORGFM_28D/DI_LEACH Chloride	8021B/5035FP_Calc (MOD) BTEX - LL	Total_BTEX_GCV	Total Number of containers	Special Instructions/Note:
			Preservation Code:										
TOPSOIL (890-7773-1)	3/4/25	09:32 Central	G	Solid			X	X	X	X	X	1	
BACKFILL (890-7773-2)	3/4/25	09:48 Central	G	Solid			X	X	X	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	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ 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:	Date/Time:	Company
1		3/5 1630				
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 3/6/25 0800	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 10/10/2024

Login Sample Receipt Checklist

Client: CDH Consulting

Job Number: 890-7773-1
SDG Number: LOCO HILLS

Login Number: 7773
List Number: 1
Creator: Bruns, Shannon

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: CDH Consulting

Job Number: 890-7773-1
SDG Number: LOCO HILLS

Login Number: 7773
List Number: 2
Creator: Laing, Edmundo

List Source: Eurofins Midland
List Creation: 03/06/25 08:49 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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ANALYTICAL REPORT

PREPARED FOR

Attn: Michael Wicker
CDH Consulting
9446 Clermont St,
Thornton, Colorado 80229

Generated 4/22/2025 8:18:38 AM

JOB DESCRIPTION

WESTALL WATER LINE

JOB NUMBER

890-7983-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

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

Generated
4/22/2025 8:18:38 AM

Authorized for release by
Jodi Allen, Project Manager I
Jodi.Allen@et.eurofinsus.com
(281)520-2865

Client: CDH Consulting
Project/Site: WESTALL WATER LINE

Laboratory Job ID: 890-7983-1

Table of Contents

Definitions/Glossary

Client: CDH Consulting
Job ID: 890-7983-1
Project/Site: WESTALL WATER LINE

Qualifiers

HPLC/IC

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

Glossary

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

Job ID: 890-7983-1

Job ID: 890-7983-1 Eurofins Carlsbad

Job Narrative
890-7983-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

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

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

Receipt
The samples were received on 4/17/2025 2:43 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 3.8°C.

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: BF01@0.25-0.75 (890-7983-1), BF01@1.25-1.75 (890-7983-2), BF01@2.25-2.75 (890-7983-3), BF01@3.25-3.75 (890-7983-4), BF02@0.25-0.75 (890-7983-5), BF02@1.25-1.75 (890-7983-6), BF02@2.25-2.75 (890-7983-7), BF02@3.25-3.75 (890-7983-8), BF03@0.25-0.75 (890-7983-9), BF03@1.25-1.75 (890-7983-10), BF03@2.25-2.75 (890-7983-11), BF03@3.25-3.75 (890-7983-12), BF04@0.25-0.75 (890-7983-13), BF04@1.25-1.75 (890-7983-14), BF04@2.25-2.75 (890-7983-15), BF04@3.25-3.75 (890-7983-16), BF05@0.25-0.75 (890-7983-17), BF05@1.25-1.75 (890-7983-18), BF05@2.25-2.75 (890-7983-19), BF05@3.25-3.75 (890-7983-20), BF06@0.25-0.75 (890-7983-21), BF06@1.25-1.75 (890-7983-22), BF06@2.25-2.75 (890-7983-23), BF06@3.25-3.75 (890-7983-24), BF07@0.25-1.25 (890-7983-25), BF07@1.25-1.75 (890-7983-26), BF07@2.25-2.75 (890-7983-27), BF07@3.25-3.75 (890-7983-28), BF08@0.25-0.75 (890-7983-29), BF08@1.25-1.75 (890-7983-30), BF08@2.25-2.75 (890-7983-31), BF08@3.25-3.75 (890-7983-32), BF09@0.25-0.75 (890-7983-33), BF09@1.25-1.75 (890-7983-34), BF09@2.25-2.75 (890-7983-35), BF09@3.25-3.75 (890-7983-36), BF10@0.25-0.75 (890-7983-37), BF10@1.25-1.75 (890-7983-38), BF10@2.25-2.75 (890-7983-39), BF10@3.25-3.75 (890-7983-40), BF11@0.25-0.75 (890-7983-41), BF11@1.25-1.75 (890-7983-42), BF11@2.25-2.75 (890-7983-43), BF11@3.25-3.75 (890-7983-44), BF12@0.25-0.75 (890-7983-45), BF12@1.25-1.75 (890-7983-46), BF12@2.25-2.75 (890-7983-47) and BF12@3.25-3.75 (890-7983-48).

HPLC/IC
Method 300_ORGFM_28D - Soluble: The Chloride matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-108136 and analytical batch 880-108141 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.

The associated samples are: BF11@0.25-0.75 (890-7983-41), BF11@1.25-1.75 (890-7983-42), BF11@2.25-2.75 (890-7983-43), BF11@3.25-3.75 (890-7983-44), BF12@0.25-0.75 (890-7983-45), BF12@1.25-1.75 (890-7983-46), BF12@2.25-2.75 (890-7983-47), BF12@3.25-3.75 (890-7983-48), (890-7983-A-41-B MS) and (890-7983-A-41-C MSD).

Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-108095 and analytical batch 880-108131 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.

Client Sample Results

Client: CDH Consulting
Job ID: 890-7983-1
Project/Site: WESTALL WATER LINE

Client Sample ID: BF01@0.25-0.75
Lab Sample ID: 890-7983-1
Date Collected: 04/16/25 07:44
Matrix: Solid
Date Received: 04/17/25 14:43

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	125	F1	9.98		mg/Kg			04/22/25 04:40	1

Client Sample ID: BF01@1.25-1.75
Lab Sample ID: 890-7983-2
Date Collected: 04/16/25 07:49
Matrix: Solid
Date Received: 04/17/25 14:43

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	110		9.98		mg/Kg			04/22/25 05:02	1

Client Sample ID: BF01@2.25-2.75
Lab Sample ID: 890-7983-3
Date Collected: 04/16/25 07:56
Matrix: Solid
Date Received: 04/17/25 14:43

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	104		9.92		mg/Kg			04/22/25 05:09	1

Client Sample ID: BF01@3.25-3.75
Lab Sample ID: 890-7983-4
Date Collected: 04/16/25 08:04
Matrix: Solid
Date Received: 04/17/25 14:43

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	121		10.0		mg/Kg			04/22/25 05:16	1

Client Sample ID: BF02@0.25-0.75
Lab Sample ID: 890-7983-5
Date Collected: 04/16/25 08:10
Matrix: Solid
Date Received: 04/17/25 14:43

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	129		9.94		mg/Kg			04/22/25 05:23	1

Client Sample ID: BF02@1.25-1.75
Lab Sample ID: 890-7983-6
Date Collected: 04/16/25 08:14
Matrix: Solid
Date Received: 04/17/25 14:43

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	119		9.92		mg/Kg			04/22/25 05:45	1

Client Sample ID: BF02@2.25-2.75
Lab Sample ID: 890-7983-7
Date Collected: 04/16/25 08:17
Matrix: Solid
Date Received: 04/17/25 14:43

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	108		9.94		mg/Kg			04/22/25 05:52	1

Client Sample Results

Client: CDH Consulting
Job ID: 890-7983-1
Project/Site: WESTALL WATER LINE

Client Sample ID: BF02@3.25-3.75
Lab Sample ID: 890-7983-8
Date Collected: 04/16/25 08:21
Matrix: Solid
Date Received: 04/17/25 14:43

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	147		9.92		mg/Kg			04/22/25 05:59	1

Client Sample ID: BF03@0.25-0.75
Lab Sample ID: 890-7983-9
Date Collected: 04/16/25 08:26
Matrix: Solid
Date Received: 04/17/25 14:43

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	210		9.92		mg/Kg			04/22/25 06:06	1

Client Sample ID: BF03@1.25-1.75
Lab Sample ID: 890-7983-10
Date Collected: 04/16/25 08:31
Matrix: Solid
Date Received: 04/17/25 14:43

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	121		9.92		mg/Kg			04/22/25 06:13	1

Client Sample ID: BF03@2.25-2.75
Lab Sample ID: 890-7983-11
Date Collected: 04/16/25 08:35
Matrix: Solid
Date Received: 04/17/25 14:43

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	158	F1	10.0		mg/Kg			04/22/25 06:20	1

Client Sample ID: BF03@3.25-3.75
Lab Sample ID: 890-7983-12
Date Collected: 04/16/25 08:41
Matrix: Solid
Date Received: 04/17/25 14:43

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	332		10.1		mg/Kg			04/22/25 06:42	1

Client Sample ID: BF04@0.25-0.75
Lab Sample ID: 890-7983-13
Date Collected: 04/16/25 08:46
Matrix: Solid
Date Received: 04/17/25 14:43

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	144		10.1		mg/Kg			04/22/25 06:49	1

Client Sample ID: BF04@1.25-1.75
Lab Sample ID: 890-7983-14
Date Collected: 04/16/25 08:52
Matrix: Solid
Date Received: 04/17/25 14:43

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	187		10.1		mg/Kg			04/22/25 07:11	1

Client Sample Results

Client: CDH Consulting
Job ID: 890-7983-1
Project/Site: WESTALL WATER LINE

Client Sample ID: BF04@2.25-2.75
Lab Sample ID: 890-7983-15
Date Collected: 04/16/25 08:59
Matrix: Solid
Date Received: 04/17/25 14:43

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	128		9.92		mg/Kg			04/22/25 07:18	1

Client Sample ID: BF04@3.25-3.75
Lab Sample ID: 890-7983-16
Date Collected: 04/16/25 09:08
Matrix: Solid
Date Received: 04/17/25 14:43

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	142		10.0		mg/Kg			04/22/25 07:25	1

Client Sample ID: BF05@0.25-0.75
Lab Sample ID: 890-7983-17
Date Collected: 04/16/25 09:23
Matrix: Solid
Date Received: 04/17/25 14:43

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	129		9.98		mg/Kg			04/22/25 07:32	1

Client Sample ID: BF05@1.25-1.75
Lab Sample ID: 890-7983-18
Date Collected: 04/16/25 09:28
Matrix: Solid
Date Received: 04/17/25 14:43

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	273		9.92		mg/Kg			04/22/25 07:39	1

Client Sample ID: BF05@2.25-2.75
Lab Sample ID: 890-7983-19
Date Collected: 04/16/25 09:35
Matrix: Solid
Date Received: 04/17/25 14:43

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	157		10.0		mg/Kg			04/22/25 07:47	1

Client Sample ID: BF05@3.25-3.75
Lab Sample ID: 890-7983-20
Date Collected: 04/16/25 09:42
Matrix: Solid
Date Received: 04/17/25 14:43

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	152		10.1		mg/Kg			04/22/25 07:54	1

Client Sample ID: BF06@0.25-0.75
Lab Sample ID: 890-7983-21
Date Collected: 04/16/25 10:02
Matrix: Solid
Date Received: 04/17/25 14:43

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	98.7		10.0		mg/Kg			04/21/25 09:25	1

Client Sample Results

Client: CDH Consulting
Job ID: 890-7983-1
Project/Site: WESTALL WATER LINE

Client Sample ID: BF06@1.25-1.75
Lab Sample ID: 890-7983-22
Date Collected: 04/16/25 10:09
Matrix: Solid
Date Received: 04/17/25 14:43

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	107		10.0		mg/Kg			04/21/25 09:47	1

Client Sample ID: BF06@2.25-2.75
Lab Sample ID: 890-7983-23
Date Collected: 04/16/25 10:16
Matrix: Solid
Date Received: 04/17/25 14:43

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	166		9.98		mg/Kg			04/21/25 09:54	1

Client Sample ID: BF06@3.25-3.75
Lab Sample ID: 890-7983-24
Date Collected: 04/16/25 10:24
Matrix: Solid
Date Received: 04/17/25 14:43

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	88.6		9.94		mg/Kg			04/21/25 10:01	1

Client Sample ID: BF07@0.25-1.25
Lab Sample ID: 890-7983-25
Date Collected: 04/16/25 10:57
Matrix: Solid
Date Received: 04/17/25 14:43

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	117		9.92		mg/Kg			04/21/25 10:08	1

Client Sample ID: BF07@1.25-1.75
Lab Sample ID: 890-7983-26
Date Collected: 04/16/25 11:03
Matrix: Solid
Date Received: 04/17/25 14:43

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	252		10.0		mg/Kg			04/21/25 10:43	1

Client Sample ID: BF07@2.25-2.75
Lab Sample ID: 890-7983-27
Date Collected: 04/16/25 11:10
Matrix: Solid
Date Received: 04/17/25 14:43

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	229		9.94		mg/Kg			04/21/25 10:50	1

Client Sample ID: BF07@3.25-3.75
Lab Sample ID: 890-7983-28
Date Collected: 04/16/25 11:19
Matrix: Solid
Date Received: 04/17/25 14:43

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	151		9.96		mg/Kg			04/21/25 10:57	1

Client Sample Results

Client: CDH Consulting
Job ID: 890-7983-1
Project/Site: WESTALL WATER LINE

Client Sample ID: BF08@0.25-0.75
Lab Sample ID: 890-7983-29
Date Collected: 04/16/25 11:27
Matrix: Solid
Date Received: 04/17/25 14:43

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	98.8		9.94		mg/Kg			04/21/25 11:05	1

Client Sample ID: BF08@1.25-1.75
Lab Sample ID: 890-7983-30
Date Collected: 04/16/25 11:34
Matrix: Solid
Date Received: 04/17/25 14:43

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	230		9.92		mg/Kg			04/21/25 11:12	1

Client Sample ID: BF08@2.25-2.75
Lab Sample ID: 890-7983-31
Date Collected: 04/16/25 11:41
Matrix: Solid
Date Received: 04/17/25 14:43

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	245		10.0		mg/Kg			04/21/25 11:19	1

Client Sample ID: BF08@3.25-3.75
Lab Sample ID: 890-7983-32
Date Collected: 04/16/25 11:50
Matrix: Solid
Date Received: 04/17/25 14:43

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	259		10.0		mg/Kg			04/21/25 11:41	1

Client Sample ID: BF09@0.25-0.75
Lab Sample ID: 890-7983-33
Date Collected: 04/16/25 12:58
Matrix: Solid
Date Received: 04/17/25 14:43

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1410		10.0		mg/Kg			04/21/25 11:48	1

Client Sample ID: BF09@1.25-1.75
Lab Sample ID: 890-7983-34
Date Collected: 04/16/25 13:07
Matrix: Solid
Date Received: 04/17/25 14:43

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3260		49.7		mg/Kg			04/21/25 12:09	5

Client Sample ID: BF09@2.25-2.75
Lab Sample ID: 890-7983-35
Date Collected: 04/16/25 13:16
Matrix: Solid
Date Received: 04/17/25 14:43

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2380		49.6		mg/Kg			04/21/25 12:16	5

Client Sample Results

Client: CDH Consulting
Job ID: 890-7983-1
Project/Site: WESTALL WATER LINE

Client Sample ID: BF09@3.25-3.75
Lab Sample ID: 890-7983-36
Date Collected: 04/16/25 13:22
Matrix: Solid
Date Received: 04/17/25 14:43

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5410		100		mg/Kg			04/21/25 12:24	10

Client Sample ID: BF10@0.25-0.75
Lab Sample ID: 890-7983-37
Date Collected: 04/16/25 13:30
Matrix: Solid
Date Received: 04/17/25 14:43

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1230		9.96		mg/Kg			04/21/25 12:31	1

Client Sample ID: BF10@1.25-1.75
Lab Sample ID: 890-7983-38
Date Collected: 04/16/25 13:36
Matrix: Solid
Date Received: 04/17/25 14:43

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	564		9.92		mg/Kg			04/21/25 12:38	1

Client Sample ID: BF10@2.25-2.75
Lab Sample ID: 890-7983-39
Date Collected: 04/16/25 13:45
Matrix: Solid
Date Received: 04/17/25 14:43

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2890		50.1		mg/Kg			04/21/25 12:45	5

Client Sample ID: BF10@3.25-3.75
Lab Sample ID: 890-7983-40
Date Collected: 04/16/25 13:57
Matrix: Solid
Date Received: 04/17/25 14:43

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5640		99.4		mg/Kg			04/21/25 12:52	10

Client Sample ID: BF11@0.25-0.75
Lab Sample ID: 890-7983-41
Date Collected: 04/16/25 00:00
Matrix: Solid
Date Received: 04/17/25 14:43

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	635	F1	9.98		mg/Kg			04/21/25 09:55	1

Client Sample ID: BF11@1.25-1.75
Lab Sample ID: 890-7983-42
Date Collected: 04/16/25 00:00
Matrix: Solid
Date Received: 04/17/25 14:43

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	95.9		9.98		mg/Kg			04/21/25 10:18	1

Client Sample Results

Client: CDH Consulting
Job ID: 890-7983-1
Project/Site: WESTALL WATER LINE

Client Sample ID: BF11@2.25-2.75
Lab Sample ID: 890-7983-43
Date Collected: 04/16/25 00:00
Matrix: Solid
Date Received: 04/17/25 14:43

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	121		10.0		mg/Kg			04/21/25 10:25	1

Client Sample ID: BF11@3.25-3.75
Lab Sample ID: 890-7983-44
Date Collected: 04/16/25 00:00
Matrix: Solid
Date Received: 04/17/25 14:43

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	278		9.96		mg/Kg			04/21/25 10:33	1

Client Sample ID: BF12@0.25-0.75
Lab Sample ID: 890-7983-45
Date Collected: 04/16/25 00:00
Matrix: Solid
Date Received: 04/17/25 14:43

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	150		9.92		mg/Kg			04/21/25 10:41	1

Client Sample ID: BF12@1.25-1.75
Lab Sample ID: 890-7983-46
Date Collected: 04/16/25 00:00
Matrix: Solid
Date Received: 04/17/25 14:43

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	90.9		10.1		mg/Kg			04/21/25 11:03	1

Client Sample ID: BF12@2.25-2.75
Lab Sample ID: 890-7983-47
Date Collected: 04/16/25 00:00
Matrix: Solid
Date Received: 04/17/25 14:43

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	196		10.1		mg/Kg			04/21/25 11:11	1

Client Sample ID: BF12@3.25-3.75
Lab Sample ID: 890-7983-48
Date Collected: 04/16/25 00:00
Matrix: Solid
Date Received: 04/17/25 14:43

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	255		9.94		mg/Kg			04/21/25 11:18	1

QC Sample Results

Client: CDH Consulting
Project/Site: WESTALL WATER LINE

Job ID: 890-7983-1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-108095/1-A
Matrix: Solid
Analysis Batch: 108131

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			04/22/25 04:18	1

Lab Sample ID: LCS 880-108095/2-A
Matrix: Solid
Analysis Batch: 108131

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	251.8		mg/Kg		101	90 - 110

Lab Sample ID: LCSD 880-108095/3-A
Matrix: Solid
Analysis Batch: 108131

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	250.1		mg/Kg		100	90 - 110	1	20

Lab Sample ID: 890-7983-1 MS
Matrix: Solid
Analysis Batch: 108131

Client Sample ID: BF01@0.25-0.75
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	125	F1	250	409.0	F1	mg/Kg		114	90 - 110

Lab Sample ID: 890-7983-1 MSD
Matrix: Solid
Analysis Batch: 108131

Client Sample ID: BF01@0.25-0.75
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	125	F1	250	412.0	F1	mg/Kg		115	90 - 110	1	20

Lab Sample ID: 890-7983-11 MS
Matrix: Solid
Analysis Batch: 108131

Client Sample ID: BF03@2.25-2.75
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	158	F1	251	451.0	F1	mg/Kg		117	90 - 110

Lab Sample ID: 890-7983-11 MSD
Matrix: Solid
Analysis Batch: 108131

Client Sample ID: BF03@2.25-2.75
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	158	F1	251	451.7	F1	mg/Kg		117	90 - 110	0	20

Lab Sample ID: MB 880-108136/1-A
Matrix: Solid
Analysis Batch: 108141

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			04/21/25 09:33	1

QC Sample Results

Client: CDH Consulting
Project/Site: WESTALL WATER LINE

Job ID: 890-7983-1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCS 880-108136/2-A
Matrix: Solid
Analysis Batch: 108141

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	269.5		mg/Kg		108	90 - 110		

Lab Sample ID: LCSD 880-108136/3-A
Matrix: Solid
Analysis Batch: 108141

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	267.2		mg/Kg		107	90 - 110	1	20

Lab Sample ID: 890-7983-41 MS
Matrix: Solid
Analysis Batch: 108141

Client Sample ID: BF11@0.25-0.75
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	635	F1	250	922.5	F1	mg/Kg		115	90 - 110		

Lab Sample ID: 890-7983-41 MSD
Matrix: Solid
Analysis Batch: 108141

Client Sample ID: BF11@0.25-0.75
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	635	F1	250	922.6	F1	mg/Kg		115	90 - 110	0	20

Lab Sample ID: MB 880-108096/1-A
Matrix: Solid
Analysis Batch: 108142

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			04/21/25 09:04	1

Lab Sample ID: LCS 880-108096/2-A
Matrix: Solid
Analysis Batch: 108142

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	238.8		mg/Kg		96	90 - 110		

Lab Sample ID: LCSD 880-108096/3-A
Matrix: Solid
Analysis Batch: 108142

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	239.1		mg/Kg		96	90 - 110	0	20

Lab Sample ID: 890-7983-21 MS
Matrix: Solid
Analysis Batch: 108142

Client Sample ID: BF06@0.25-0.75
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	98.7		251	362.5		mg/Kg		105	90 - 110		

QC Sample Results

Client: CDH Consulting
Job ID: 890-7983-1
Project/Site: WESTALL WATER LINE

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 890-7983-21 MSD
Client Sample ID: BF06@0.25-0.75
Matrix: Solid
Prep Type: Soluble
Analysis Batch: 108142

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	98.7		251	364.3		mg/Kg		106	90 - 110	0	20

Lab Sample ID: 890-7983-31 MS
Client Sample ID: BF08@2.25-2.75
Matrix: Solid
Prep Type: Soluble
Analysis Batch: 108142

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	245		251	494.0		mg/Kg		99	90 - 110

Lab Sample ID: 890-7983-31 MSD
Client Sample ID: BF08@2.25-2.75
Matrix: Solid
Prep Type: Soluble
Analysis Batch: 108142

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	245		251	501.0		mg/Kg		102	90 - 110	1	20

QC Association Summary

Client: CDH Consulting
Job ID: 890-7983-1
Project/Site: WESTALL WATER LINE

HPLC/IC

Leach Batch: 108095

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7983-1	BF01@0.25-0.75	Soluble	Solid	DI Leach	
890-7983-2	BF01@1.25-1.75	Soluble	Solid	DI Leach	
890-7983-3	BF01@2.25-2.75	Soluble	Solid	DI Leach	
890-7983-4	BF01@3.25-3.75	Soluble	Solid	DI Leach	
890-7983-5	BF02@0.25-0.75	Soluble	Solid	DI Leach	
890-7983-6	BF02@1.25-1.75	Soluble	Solid	DI Leach	
890-7983-7	BF02@2.25-2.75	Soluble	Solid	DI Leach	
890-7983-8	BF02@3.25-3.75	Soluble	Solid	DI Leach	
890-7983-9	BF03@0.25-0.75	Soluble	Solid	DI Leach	
890-7983-10	BF03@1.25-1.75	Soluble	Solid	DI Leach	
890-7983-11	BF03@2.25-2.75	Soluble	Solid	DI Leach	
890-7983-12	BF03@3.25-3.75	Soluble	Solid	DI Leach	
890-7983-13	BF04@0.25-0.75	Soluble	Solid	DI Leach	
890-7983-14	BF04@1.25-1.75	Soluble	Solid	DI Leach	
890-7983-15	BF04@2.25-2.75	Soluble	Solid	DI Leach	
890-7983-16	BF04@3.25-3.75	Soluble	Solid	DI Leach	
890-7983-17	BF05@0.25-0.75	Soluble	Solid	DI Leach	
890-7983-18	BF05@1.25-1.75	Soluble	Solid	DI Leach	
890-7983-19	BF05@2.25-2.75	Soluble	Solid	DI Leach	
890-7983-20	BF05@3.25-3.75	Soluble	Solid	DI Leach	
MB 880-108095/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-108095/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-108095/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-7983-1 MS	BF01@0.25-0.75	Soluble	Solid	DI Leach	
890-7983-1 MSD	BF01@0.25-0.75	Soluble	Solid	DI Leach	
890-7983-11 MS	BF03@2.25-2.75	Soluble	Solid	DI Leach	
890-7983-11 MSD	BF03@2.25-2.75	Soluble	Solid	DI Leach	

Leach Batch: 108096

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7983-21	BF06@0.25-0.75	Soluble	Solid	DI Leach	
890-7983-22	BF06@1.25-1.75	Soluble	Solid	DI Leach	
890-7983-23	BF06@2.25-2.75	Soluble	Solid	DI Leach	
890-7983-24	BF06@3.25-3.75	Soluble	Solid	DI Leach	
890-7983-25	BF07@0.25-1.25	Soluble	Solid	DI Leach	
890-7983-26	BF07@1.25-1.75	Soluble	Solid	DI Leach	
890-7983-27	BF07@2.25-2.75	Soluble	Solid	DI Leach	
890-7983-28	BF07@3.25-3.75	Soluble	Solid	DI Leach	
890-7983-29	BF08@0.25-0.75	Soluble	Solid	DI Leach	
890-7983-30	BF08@1.25-1.75	Soluble	Solid	DI Leach	
890-7983-31	BF08@2.25-2.75	Soluble	Solid	DI Leach	
890-7983-32	BF08@3.25-3.75	Soluble	Solid	DI Leach	
890-7983-33	BF09@0.25-0.75	Soluble	Solid	DI Leach	
890-7983-34	BF09@1.25-1.75	Soluble	Solid	DI Leach	
890-7983-35	BF09@2.25-2.75	Soluble	Solid	DI Leach	
890-7983-36	BF09@3.25-3.75	Soluble	Solid	DI Leach	
890-7983-37	BF10@0.25-0.75	Soluble	Solid	DI Leach	
890-7983-38	BF10@1.25-1.75	Soluble	Solid	DI Leach	
890-7983-39	BF10@2.25-2.75	Soluble	Solid	DI Leach	
890-7983-40	BF10@3.25-3.75	Soluble	Solid	DI Leach	
MB 880-108096/1-A	Method Blank	Soluble	Solid	DI Leach	

QC Association Summary

Client: CDH Consulting
Project/Site: WESTALL WATER LINE

Job ID: 890-7983-1

HPLC/IC (Continued)

Leach Batch: 108096 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-108096/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-108096/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-7983-21 MS	BF06@0.25-0.75	Soluble	Solid	DI Leach	
890-7983-21 MSD	BF06@0.25-0.75	Soluble	Solid	DI Leach	
890-7983-31 MS	BF08@2.25-2.75	Soluble	Solid	DI Leach	
890-7983-31 MSD	BF08@2.25-2.75	Soluble	Solid	DI Leach	

Analysis Batch: 108131

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7983-1	BF01@0.25-0.75	Soluble	Solid	300.0	108095
890-7983-2	BF01@1.25-1.75	Soluble	Solid	300.0	108095
890-7983-3	BF01@2.25-2.75	Soluble	Solid	300.0	108095
890-7983-4	BF01@3.25-3.75	Soluble	Solid	300.0	108095
890-7983-5	BF02@0.25-0.75	Soluble	Solid	300.0	108095
890-7983-6	BF02@1.25-1.75	Soluble	Solid	300.0	108095
890-7983-7	BF02@2.25-2.75	Soluble	Solid	300.0	108095
890-7983-8	BF02@3.25-3.75	Soluble	Solid	300.0	108095
890-7983-9	BF03@0.25-0.75	Soluble	Solid	300.0	108095
890-7983-10	BF03@1.25-1.75	Soluble	Solid	300.0	108095
890-7983-11	BF03@2.25-2.75	Soluble	Solid	300.0	108095
890-7983-12	BF03@3.25-3.75	Soluble	Solid	300.0	108095
890-7983-13	BF04@0.25-0.75	Soluble	Solid	300.0	108095
890-7983-14	BF04@1.25-1.75	Soluble	Solid	300.0	108095
890-7983-15	BF04@2.25-2.75	Soluble	Solid	300.0	108095
890-7983-16	BF04@3.25-3.75	Soluble	Solid	300.0	108095
890-7983-17	BF05@0.25-0.75	Soluble	Solid	300.0	108095
890-7983-18	BF05@1.25-1.75	Soluble	Solid	300.0	108095
890-7983-19	BF05@2.25-2.75	Soluble	Solid	300.0	108095
890-7983-20	BF05@3.25-3.75	Soluble	Solid	300.0	108095
MB 880-108095/1-A	Method Blank	Soluble	Solid	300.0	108095
LCS 880-108095/2-A	Lab Control Sample	Soluble	Solid	300.0	108095
LCSD 880-108095/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	108095
890-7983-1 MS	BF01@0.25-0.75	Soluble	Solid	300.0	108095
890-7983-1 MSD	BF01@0.25-0.75	Soluble	Solid	300.0	108095
890-7983-11 MS	BF03@2.25-2.75	Soluble	Solid	300.0	108095
890-7983-11 MSD	BF03@2.25-2.75	Soluble	Solid	300.0	108095

Leach Batch: 108136

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7983-41	BF11@0.25-0.75	Soluble	Solid	DI Leach	
890-7983-42	BF11@1.25-1.75	Soluble	Solid	DI Leach	
890-7983-43	BF11@2.25-2.75	Soluble	Solid	DI Leach	
890-7983-44	BF11@3.25-3.75	Soluble	Solid	DI Leach	
890-7983-45	BF12@0.25-0.75	Soluble	Solid	DI Leach	
890-7983-46	BF12@1.25-1.75	Soluble	Solid	DI Leach	
890-7983-47	BF12@2.25-2.75	Soluble	Solid	DI Leach	
890-7983-48	BF12@3.25-3.75	Soluble	Solid	DI Leach	
MB 880-108136/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-108136/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-108136/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-7983-41 MS	BF11@0.25-0.75	Soluble	Solid	DI Leach	

QC Association Summary

Client: CDH Consulting
Job ID: 890-7983-1
Project/Site: WESTALL WATER LINE

HPLC/IC (Continued)

Leach Batch: 108136 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7983-41 MSD	BF11@0.25-0.75	Soluble	Solid	DI Leach	

Analysis Batch: 108141

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7983-41	BF11@0.25-0.75	Soluble	Solid	300.0	108136
890-7983-42	BF11@1.25-1.75	Soluble	Solid	300.0	108136
890-7983-43	BF11@2.25-2.75	Soluble	Solid	300.0	108136
890-7983-44	BF11@3.25-3.75	Soluble	Solid	300.0	108136
890-7983-45	BF12@0.25-0.75	Soluble	Solid	300.0	108136
890-7983-46	BF12@1.25-1.75	Soluble	Solid	300.0	108136
890-7983-47	BF12@2.25-2.75	Soluble	Solid	300.0	108136
890-7983-48	BF12@3.25-3.75	Soluble	Solid	300.0	108136
MB 880-108136/1-A	Method Blank	Soluble	Solid	300.0	108136
LCS 880-108136/2-A	Lab Control Sample	Soluble	Solid	300.0	108136
LCSD 880-108136/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	108136
890-7983-41 MS	BF11@0.25-0.75	Soluble	Solid	300.0	108136
890-7983-41 MSD	BF11@0.25-0.75	Soluble	Solid	300.0	108136

Analysis Batch: 108142

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7983-21	BF06@0.25-0.75	Soluble	Solid	300.0	108096
890-7983-22	BF06@1.25-1.75	Soluble	Solid	300.0	108096
890-7983-23	BF06@2.25-2.75	Soluble	Solid	300.0	108096
890-7983-24	BF06@3.25-3.75	Soluble	Solid	300.0	108096
890-7983-25	BF07@0.25-1.25	Soluble	Solid	300.0	108096
890-7983-26	BF07@1.25-1.75	Soluble	Solid	300.0	108096
890-7983-27	BF07@2.25-2.75	Soluble	Solid	300.0	108096
890-7983-28	BF07@3.25-3.75	Soluble	Solid	300.0	108096
890-7983-29	BF08@0.25-0.75	Soluble	Solid	300.0	108096
890-7983-30	BF08@1.25-1.75	Soluble	Solid	300.0	108096
890-7983-31	BF08@2.25-2.75	Soluble	Solid	300.0	108096
890-7983-32	BF08@3.25-3.75	Soluble	Solid	300.0	108096
890-7983-33	BF09@0.25-0.75	Soluble	Solid	300.0	108096
890-7983-34	BF09@1.25-1.75	Soluble	Solid	300.0	108096
890-7983-35	BF09@2.25-2.75	Soluble	Solid	300.0	108096
890-7983-36	BF09@3.25-3.75	Soluble	Solid	300.0	108096
890-7983-37	BF10@0.25-0.75	Soluble	Solid	300.0	108096
890-7983-38	BF10@1.25-1.75	Soluble	Solid	300.0	108096
890-7983-39	BF10@2.25-2.75	Soluble	Solid	300.0	108096
890-7983-40	BF10@3.25-3.75	Soluble	Solid	300.0	108096
MB 880-108096/1-A	Method Blank	Soluble	Solid	300.0	108096
LCS 880-108096/2-A	Lab Control Sample	Soluble	Solid	300.0	108096
LCSD 880-108096/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	108096
890-7983-21 MS	BF06@0.25-0.75	Soluble	Solid	300.0	108096
890-7983-21 MSD	BF06@0.25-0.75	Soluble	Solid	300.0	108096
890-7983-31 MS	BF08@2.25-2.75	Soluble	Solid	300.0	108096
890-7983-31 MSD	BF08@2.25-2.75	Soluble	Solid	300.0	108096

Lab Chronicle

Client: CDH Consulting
Job ID: 890-7983-1
Project/Site: WESTALL WATER LINE

Client Sample ID: BF01@0.25-0.75
Lab Sample ID: 890-7983-1
Date Collected: 04/16/25 07:44
Matrix: Solid
Date Received: 04/17/25 14:43

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Soluble	Leach	DI Leach			108095	SA	EET MID	04/18/25 11:44
Soluble	Analysis	300.0		1	108131	CH	EET MID	04/22/25 04:40

Client Sample ID: BF01@1.25-1.75
Lab Sample ID: 890-7983-2
Date Collected: 04/16/25 07:49
Matrix: Solid
Date Received: 04/17/25 14:43

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Soluble	Leach	DI Leach			108095	SA	EET MID	04/18/25 11:44
Soluble	Analysis	300.0		1	108131	CH	EET MID	04/22/25 05:02

Client Sample ID: BF01@2.25-2.75
Lab Sample ID: 890-7983-3
Date Collected: 04/16/25 07:56
Matrix: Solid
Date Received: 04/17/25 14:43

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Soluble	Leach	DI Leach			108095	SA	EET MID	04/18/25 11:44
Soluble	Analysis	300.0		1	108131	CH	EET MID	04/22/25 05:09

Client Sample ID: BF01@3.25-3.75
Lab Sample ID: 890-7983-4
Date Collected: 04/16/25 08:04
Matrix: Solid
Date Received: 04/17/25 14:43

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Soluble	Leach	DI Leach			108095	SA	EET MID	04/18/25 11:44
Soluble	Analysis	300.0		1	108131	CH	EET MID	04/22/25 05:16

Client Sample ID: BF02@0.25-0.75
Lab Sample ID: 890-7983-5
Date Collected: 04/16/25 08:10
Matrix: Solid
Date Received: 04/17/25 14:43

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Soluble	Leach	DI Leach			108095	SA	EET MID	04/18/25 11:44
Soluble	Analysis	300.0		1	108131	CH	EET MID	04/22/25 05:23

Client Sample ID: BF02@1.25-1.75
Lab Sample ID: 890-7983-6
Date Collected: 04/16/25 08:14
Matrix: Solid
Date Received: 04/17/25 14:43

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Soluble	Leach	DI Leach			108095	SA	EET MID	04/18/25 11:44
Soluble	Analysis	300.0		1	108131	CH	EET MID	04/22/25 05:45

Lab Chronicle

Client: CDH Consulting
Job ID: 890-7983-1
Project/Site: WESTALL WATER LINE

Client Sample ID: BF02@2.25-2.75
Lab Sample ID: 890-7983-7
Date Collected: 04/16/25 08:17
Matrix: Solid
Date Received: 04/17/25 14:43

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Soluble	Leach	DI Leach			108095	SA	EET MID	04/18/25 11:44
Soluble	Analysis	300.0		1	108131	CH	EET MID	04/22/25 05:52

Client Sample ID: BF02@3.25-3.75
Lab Sample ID: 890-7983-8
Date Collected: 04/16/25 08:21
Matrix: Solid
Date Received: 04/17/25 14:43

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Soluble	Leach	DI Leach			108095	SA	EET MID	04/18/25 11:44
Soluble	Analysis	300.0		1	108131	CH	EET MID	04/22/25 05:59

Client Sample ID: BF03@0.25-0.75
Lab Sample ID: 890-7983-9
Date Collected: 04/16/25 08:26
Matrix: Solid
Date Received: 04/17/25 14:43

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Soluble	Leach	DI Leach			108095	SA	EET MID	04/18/25 11:44
Soluble	Analysis	300.0		1	108131	CH	EET MID	04/22/25 06:06

Client Sample ID: BF03@1.25-1.75
Lab Sample ID: 890-7983-10
Date Collected: 04/16/25 08:31
Matrix: Solid
Date Received: 04/17/25 14:43

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Soluble	Leach	DI Leach			108095	SA	EET MID	04/18/25 11:44
Soluble	Analysis	300.0		1	108131	CH	EET MID	04/22/25 06:13

Client Sample ID: BF03@2.25-2.75
Lab Sample ID: 890-7983-11
Date Collected: 04/16/25 08:35
Matrix: Solid
Date Received: 04/17/25 14:43

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Soluble	Leach	DI Leach			108095	SA	EET MID	04/18/25 11:44
Soluble	Analysis	300.0		1	108131	CH	EET MID	04/22/25 06:20

Client Sample ID: BF03@3.25-3.75
Lab Sample ID: 890-7983-12
Date Collected: 04/16/25 08:41
Matrix: Solid
Date Received: 04/17/25 14:43

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Soluble	Leach	DI Leach			108095	SA	EET MID	04/18/25 11:44
Soluble	Analysis	300.0		1	108131	CH	EET MID	04/22/25 06:42

Lab Chronicle

Client: CDH Consulting
Job ID: 890-7983-1
Project/Site: WESTALL WATER LINE

Client Sample ID: BF04@0.25-0.75
Lab Sample ID: 890-7983-13
Date Collected: 04/16/25 08:46
Matrix: Solid
Date Received: 04/17/25 14:43

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Soluble	Leach	DI Leach			108095	SA	EET MID	04/18/25 11:44
Soluble	Analysis	300.0		1	108131	CH	EET MID	04/22/25 06:49

Client Sample ID: BF04@1.25-1.75
Lab Sample ID: 890-7983-14
Date Collected: 04/16/25 08:52
Matrix: Solid
Date Received: 04/17/25 14:43

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Soluble	Leach	DI Leach			108095	SA	EET MID	04/18/25 11:44
Soluble	Analysis	300.0		1	108131	CH	EET MID	04/22/25 07:11

Client Sample ID: BF04@2.25-2.75
Lab Sample ID: 890-7983-15
Date Collected: 04/16/25 08:59
Matrix: Solid
Date Received: 04/17/25 14:43

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Soluble	Leach	DI Leach			108095	SA	EET MID	04/18/25 11:44
Soluble	Analysis	300.0		1	108131	CH	EET MID	04/22/25 07:18

Client Sample ID: BF04@3.25-3.75
Lab Sample ID: 890-7983-16
Date Collected: 04/16/25 09:08
Matrix: Solid
Date Received: 04/17/25 14:43

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Soluble	Leach	DI Leach			108095	SA	EET MID	04/18/25 11:44
Soluble	Analysis	300.0		1	108131	CH	EET MID	04/22/25 07:25

Client Sample ID: BF05@0.25-0.75
Lab Sample ID: 890-7983-17
Date Collected: 04/16/25 09:23
Matrix: Solid
Date Received: 04/17/25 14:43

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Soluble	Leach	DI Leach			108095	SA	EET MID	04/18/25 11:44
Soluble	Analysis	300.0		1	108131	CH	EET MID	04/22/25 07:32

Client Sample ID: BF05@1.25-1.75
Lab Sample ID: 890-7983-18
Date Collected: 04/16/25 09:28
Matrix: Solid
Date Received: 04/17/25 14:43

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Soluble	Leach	DI Leach			108095	SA	EET MID	04/18/25 11:44
Soluble	Analysis	300.0		1	108131	CH	EET MID	04/22/25 07:39

Lab Chronicle

Client: CDH Consulting
Job ID: 890-7983-1
Project/Site: WESTALL WATER LINE

Client Sample ID: BF05@2.25-2.75
Lab Sample ID: 890-7983-19
Date Collected: 04/16/25 09:35
Matrix: Solid
Date Received: 04/17/25 14:43

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Soluble	Leach	DI Leach			108095	SA	EET MID	04/18/25 11:44
Soluble	Analysis	300.0		1	108131	CH	EET MID	04/22/25 07:47

Client Sample ID: BF05@3.25-3.75
Lab Sample ID: 890-7983-20
Date Collected: 04/16/25 09:42
Matrix: Solid
Date Received: 04/17/25 14:43

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Soluble	Leach	DI Leach			108095	SA	EET MID	04/18/25 11:44
Soluble	Analysis	300.0		1	108131	CH	EET MID	04/22/25 07:54

Client Sample ID: BF06@0.25-0.75
Lab Sample ID: 890-7983-21
Date Collected: 04/16/25 10:02
Matrix: Solid
Date Received: 04/17/25 14:43

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Soluble	Leach	DI Leach			108096	SA	EET MID	04/18/25 11:46
Soluble	Analysis	300.0		1	108142	SMC	EET MID	04/21/25 09:25

Client Sample ID: BF06@1.25-1.75
Lab Sample ID: 890-7983-22
Date Collected: 04/16/25 10:09
Matrix: Solid
Date Received: 04/17/25 14:43

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Soluble	Leach	DI Leach			108096	SA	EET MID	04/18/25 11:46
Soluble	Analysis	300.0		1	108142	SMC	EET MID	04/21/25 09:47

Client Sample ID: BF06@2.25-2.75
Lab Sample ID: 890-7983-23
Date Collected: 04/16/25 10:16
Matrix: Solid
Date Received: 04/17/25 14:43

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Soluble	Leach	DI Leach			108096	SA	EET MID	04/18/25 11:46
Soluble	Analysis	300.0		1	108142	SMC	EET MID	04/21/25 09:54

Client Sample ID: BF06@3.25-3.75
Lab Sample ID: 890-7983-24
Date Collected: 04/16/25 10:24
Matrix: Solid
Date Received: 04/17/25 14:43

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Soluble	Leach	DI Leach			108096	SA	EET MID	04/18/25 11:46
Soluble	Analysis	300.0		1	108142	SMC	EET MID	04/21/25 10:01

Lab Chronicle

Client: CDH Consulting
Job ID: 890-7983-1
Project/Site: WESTALL WATER LINE

Client Sample ID: BF07@0.25-1.25
Lab Sample ID: 890-7983-25
Date Collected: 04/16/25 10:57
Matrix: Solid
Date Received: 04/17/25 14:43

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Soluble	Leach	DI Leach			108096	SA	EET MID	04/18/25 11:46
Soluble	Analysis	300.0		1	108142	SMC	EET MID	04/21/25 10:08

Client Sample ID: BF07@1.25-1.75
Lab Sample ID: 890-7983-26
Date Collected: 04/16/25 11:03
Matrix: Solid
Date Received: 04/17/25 14:43

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Soluble	Leach	DI Leach			108096	SA	EET MID	04/18/25 11:46
Soluble	Analysis	300.0		1	108142	SMC	EET MID	04/21/25 10:43

Client Sample ID: BF07@2.25-2.75
Lab Sample ID: 890-7983-27
Date Collected: 04/16/25 11:10
Matrix: Solid
Date Received: 04/17/25 14:43

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Soluble	Leach	DI Leach			108096	SA	EET MID	04/18/25 11:46
Soluble	Analysis	300.0		1	108142	SMC	EET MID	04/21/25 10:50

Client Sample ID: BF07@3.25-3.75
Lab Sample ID: 890-7983-28
Date Collected: 04/16/25 11:19
Matrix: Solid
Date Received: 04/17/25 14:43

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Soluble	Leach	DI Leach			108096	SA	EET MID	04/18/25 11:46
Soluble	Analysis	300.0		1	108142	SMC	EET MID	04/21/25 10:57

Client Sample ID: BF08@0.25-0.75
Lab Sample ID: 890-7983-29
Date Collected: 04/16/25 11:27
Matrix: Solid
Date Received: 04/17/25 14:43

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Soluble	Leach	DI Leach			108096	SA	EET MID	04/18/25 11:46
Soluble	Analysis	300.0		1	108142	SMC	EET MID	04/21/25 11:05

Client Sample ID: BF08@1.25-1.75
Lab Sample ID: 890-7983-30
Date Collected: 04/16/25 11:34
Matrix: Solid
Date Received: 04/17/25 14:43

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Soluble	Leach	DI Leach			108096	SA	EET MID	04/18/25 11:46
Soluble	Analysis	300.0		1	108142	SMC	EET MID	04/21/25 11:12

Lab Chronicle

Client: CDH Consulting
Job ID: 890-7983-1
Project/Site: WESTALL WATER LINE

Client Sample ID: BF08@2.25-2.75
Lab Sample ID: 890-7983-31
Date Collected: 04/16/25 11:41
Matrix: Solid
Date Received: 04/17/25 14:43

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Soluble	Leach	DI Leach			108096	SA	EET MID	04/18/25 11:46
Soluble	Analysis	300.0		1	108142	SMC	EET MID	04/21/25 11:19

Client Sample ID: BF08@3.25-3.75
Lab Sample ID: 890-7983-32
Date Collected: 04/16/25 11:50
Matrix: Solid
Date Received: 04/17/25 14:43

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Soluble	Leach	DI Leach			108096	SA	EET MID	04/18/25 11:46
Soluble	Analysis	300.0		1	108142	SMC	EET MID	04/21/25 11:41

Client Sample ID: BF09@0.25-0.75
Lab Sample ID: 890-7983-33
Date Collected: 04/16/25 12:58
Matrix: Solid
Date Received: 04/17/25 14:43

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Soluble	Leach	DI Leach			108096	SA	EET MID	04/18/25 11:46
Soluble	Analysis	300.0		1	108142	SMC	EET MID	04/21/25 11:48

Client Sample ID: BF09@1.25-1.75
Lab Sample ID: 890-7983-34
Date Collected: 04/16/25 13:07
Matrix: Solid
Date Received: 04/17/25 14:43

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Soluble	Leach	DI Leach			108096	SA	EET MID	04/18/25 11:46
Soluble	Analysis	300.0		5	108142	SMC	EET MID	04/21/25 12:09

Client Sample ID: BF09@2.25-2.75
Lab Sample ID: 890-7983-35
Date Collected: 04/16/25 13:16
Matrix: Solid
Date Received: 04/17/25 14:43

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Soluble	Leach	DI Leach			108096	SA	EET MID	04/18/25 11:46
Soluble	Analysis	300.0		5	108142	SMC	EET MID	04/21/25 12:16

Client Sample ID: BF09@3.25-3.75
Lab Sample ID: 890-7983-36
Date Collected: 04/16/25 13:22
Matrix: Solid
Date Received: 04/17/25 14:43

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Soluble	Leach	DI Leach			108096	SA	EET MID	04/18/25 11:46
Soluble	Analysis	300.0		10	108142	SMC	EET MID	04/21/25 12:24

Lab Chronicle

Client: CDH Consulting
Job ID: 890-7983-1
Project/Site: WESTALL WATER LINE

Client Sample ID: BF10@0.25-0.75
Lab Sample ID: 890-7983-37
Date Collected: 04/16/25 13:30
Matrix: Solid
Date Received: 04/17/25 14:43

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Soluble	Leach	DI Leach			108096	SA	EET MID	04/18/25 11:46
Soluble	Analysis	300.0		1	108142	SMC	EET MID	04/21/25 12:31

Client Sample ID: BF10@1.25-1.75
Lab Sample ID: 890-7983-38
Date Collected: 04/16/25 13:36
Matrix: Solid
Date Received: 04/17/25 14:43

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Soluble	Leach	DI Leach			108096	SA	EET MID	04/18/25 11:46
Soluble	Analysis	300.0		1	108142	SMC	EET MID	04/21/25 12:38

Client Sample ID: BF10@2.25-2.75
Lab Sample ID: 890-7983-39
Date Collected: 04/16/25 13:45
Matrix: Solid
Date Received: 04/17/25 14:43

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Soluble	Leach	DI Leach			108096	SA	EET MID	04/18/25 11:46
Soluble	Analysis	300.0		5	108142	SMC	EET MID	04/21/25 12:45

Client Sample ID: BF10@3.25-3.75
Lab Sample ID: 890-7983-40
Date Collected: 04/16/25 13:57
Matrix: Solid
Date Received: 04/17/25 14:43

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Soluble	Leach	DI Leach			108096	SA	EET MID	04/18/25 11:46
Soluble	Analysis	300.0		10	108142	SMC	EET MID	04/21/25 12:52

Client Sample ID: BF11@0.25-0.75
Lab Sample ID: 890-7983-41
Date Collected: 04/16/25 00:00
Matrix: Solid
Date Received: 04/17/25 14:43

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Soluble	Leach	DI Leach			108136	SA	EET MID	04/18/25 15:49
Soluble	Analysis	300.0		1	108141	SMC	EET MID	04/21/25 09:55

Client Sample ID: BF11@1.25-1.75
Lab Sample ID: 890-7983-42
Date Collected: 04/16/25 00:00
Matrix: Solid
Date Received: 04/17/25 14:43

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Soluble	Leach	DI Leach			108136	SA	EET MID	04/18/25 15:49
Soluble	Analysis	300.0		1	108141	SMC	EET MID	04/21/25 10:18

Lab Chronicle

Client: CDH Consulting
Job ID: 890-7983-1
Project/Site: WESTALL WATER LINE

Client Sample ID: BF11@2.25-2.75
Lab Sample ID: 890-7983-43
Date Collected: 04/16/25 00:00
Matrix: Solid
Date Received: 04/17/25 14:43

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Soluble	Leach	DI Leach			108136	SA	EET MID	04/18/25 15:49
Soluble	Analysis	300.0		1	108141	SMC	EET MID	04/21/25 10:25

Client Sample ID: BF11@3.25-3.75
Lab Sample ID: 890-7983-44
Date Collected: 04/16/25 00:00
Matrix: Solid
Date Received: 04/17/25 14:43

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Soluble	Leach	DI Leach			108136	SA	EET MID	04/18/25 15:49
Soluble	Analysis	300.0		1	108141	SMC	EET MID	04/21/25 10:33

Client Sample ID: BF12@0.25-0.75
Lab Sample ID: 890-7983-45
Date Collected: 04/16/25 00:00
Matrix: Solid
Date Received: 04/17/25 14:43

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Soluble	Leach	DI Leach			108136	SA	EET MID	04/18/25 15:49
Soluble	Analysis	300.0		1	108141	SMC	EET MID	04/21/25 10:41

Client Sample ID: BF12@1.25-1.75
Lab Sample ID: 890-7983-46
Date Collected: 04/16/25 00:00
Matrix: Solid
Date Received: 04/17/25 14:43

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Soluble	Leach	DI Leach			108136	SA	EET MID	04/18/25 15:49
Soluble	Analysis	300.0		1	108141	SMC	EET MID	04/21/25 11:03

Client Sample ID: BF12@2.25-2.75
Lab Sample ID: 890-7983-47
Date Collected: 04/16/25 00:00
Matrix: Solid
Date Received: 04/17/25 14:43

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Soluble	Leach	DI Leach			108136	SA	EET MID	04/18/25 15:49
Soluble	Analysis	300.0		1	108141	SMC	EET MID	04/21/25 11:11

Client Sample ID: BF12@3.25-3.75
Lab Sample ID: 890-7983-48
Date Collected: 04/16/25 00:00
Matrix: Solid
Date Received: 04/17/25 14:43

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Soluble	Leach	DI Leach			108136	SA	EET MID	04/18/25 15:49
Soluble	Analysis	300.0		1	108141	SMC	EET MID	04/21/25 11:18

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

Accreditation/Certification Summary

Client: CDH Consulting
Job ID: 890-7983-1
Project/Site: WESTALL WATER LINE

Laboratory: Eurofins Midland

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-25

Method Summary

Client: CDH Consulting
Project/Site: WESTALL WATER LINE

Job ID: 890-7983-1

Method	Method Description	Protocol	Laboratory
300.0	Anions, Ion Chromatography	EPA	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

Laboratory References:

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

Sample Summary

Client: CDH Consulting
Project/Site: WESTALL WATER LINE

Job ID: 890-7983-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
890-7983-1	BF01@0.25-0.75	Solid	04/16/25 07:44	04/17/25 14:43
890-7983-2	BF01@1.25-1.75	Solid	04/16/25 07:49	04/17/25 14:43
890-7983-3	BF01@2.25-2.75	Solid	04/16/25 07:56	04/17/25 14:43
890-7983-4	BF01@3.25-3.75	Solid	04/16/25 08:04	04/17/25 14:43
890-7983-5	BF02@0.25-0.75	Solid	04/16/25 08:10	04/17/25 14:43
890-7983-6	BF02@1.25-1.75	Solid	04/16/25 08:14	04/17/25 14:43
890-7983-7	BF02@2.25-2.75	Solid	04/16/25 08:17	04/17/25 14:43
890-7983-8	BF02@3.25-3.75	Solid	04/16/25 08:21	04/17/25 14:43
890-7983-9	BF03@0.25-0.75	Solid	04/16/25 08:26	04/17/25 14:43
890-7983-10	BF03@1.25-1.75	Solid	04/16/25 08:31	04/17/25 14:43
890-7983-11	BF03@2.25-2.75	Solid	04/16/25 08:35	04/17/25 14:43
890-7983-12	BF03@3.25-3.75	Solid	04/16/25 08:41	04/17/25 14:43
890-7983-13	BF04@0.25-0.75	Solid	04/16/25 08:46	04/17/25 14:43
890-7983-14	BF04@1.25-1.75	Solid	04/16/25 08:52	04/17/25 14:43
890-7983-15	BF04@2.25-2.75	Solid	04/16/25 08:59	04/17/25 14:43
890-7983-16	BF04@3.25-3.75	Solid	04/16/25 09:08	04/17/25 14:43
890-7983-17	BF05@0.25-0.75	Solid	04/16/25 09:23	04/17/25 14:43
890-7983-18	BF05@1.25-1.75	Solid	04/16/25 09:28	04/17/25 14:43
890-7983-19	BF05@2.25-2.75	Solid	04/16/25 09:35	04/17/25 14:43
890-7983-20	BF05@3.25-3.75	Solid	04/16/25 09:42	04/17/25 14:43
890-7983-21	BF06@0.25-0.75	Solid	04/16/25 10:02	04/17/25 14:43
890-7983-22	BF06@1.25-1.75	Solid	04/16/25 10:09	04/17/25 14:43
890-7983-23	BF06@2.25-2.75	Solid	04/16/25 10:16	04/17/25 14:43
890-7983-24	BF06@3.25-3.75	Solid	04/16/25 10:24	04/17/25 14:43
890-7983-25	BF07@0.25-1.25	Solid	04/16/25 10:57	04/17/25 14:43
890-7983-26	BF07@1.25-1.75	Solid	04/16/25 11:03	04/17/25 14:43
890-7983-27	BF07@2.25-2.75	Solid	04/16/25 11:10	04/17/25 14:43
890-7983-28	BF07@3.25-3.75	Solid	04/16/25 11:19	04/17/25 14:43
890-7983-29	BF08@0.25-0.75	Solid	04/16/25 11:27	04/17/25 14:43
890-7983-30	BF08@1.25-1.75	Solid	04/16/25 11:34	04/17/25 14:43
890-7983-31	BF08@2.25-2.75	Solid	04/16/25 11:41	04/17/25 14:43
890-7983-32	BF08@3.25-3.75	Solid	04/16/25 11:50	04/17/25 14:43
890-7983-33	BF09@0.25-0.75	Solid	04/16/25 12:58	04/17/25 14:43
890-7983-34	BF09@1.25-1.75	Solid	04/16/25 13:07	04/17/25 14:43
890-7983-35	BF09@2.25-2.75	Solid	04/16/25 13:16	04/17/25 14:43
890-7983-36	BF09@3.25-3.75	Solid	04/16/25 13:22	04/17/25 14:43
890-7983-37	BF10@0.25-0.75	Solid	04/16/25 13:30	04/17/25 14:43
890-7983-38	BF10@1.25-1.75	Solid	04/16/25 13:36	04/17/25 14:43
890-7983-39	BF10@2.25-2.75	Solid	04/16/25 13:45	04/17/25 14:43
890-7983-40	BF10@3.25-3.75	Solid	04/16/25 13:57	04/17/25 14:43
890-7983-41	BF11@0.25-0.75	Solid	04/16/25 00:00	04/17/25 14:43
890-7983-42	BF11@1.25-1.75	Solid	04/16/25 00:00	04/17/25 14:43
890-7983-43	BF11@2.25-2.75	Solid	04/16/25 00:00	04/17/25 14:43
890-7983-44	BF11@3.25-3.75	Solid	04/16/25 00:00	04/17/25 14:43
890-7983-45	BF12@0.25-0.75	Solid	04/16/25 00:00	04/17/25 14:43
890-7983-46	BF12@1.25-1.75	Solid	04/16/25 00:00	04/17/25 14:43
890-7983-47	BF12@2.25-2.75	Solid	04/16/25 00:00	04/17/25 14:43
890-7983-48	BF12@3.25-3.75	Solid	04/16/25 00:00	04/17/25 14:43

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Chain of Custody

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

890-7983 Chain of Custody

Project Manager:	Michael Wicker	Bill to: (if different)	CDH Consulting
Company Name:	Mr. VNR Operating	Company Name:	
Address:		Address:	
City, State ZIP:		City, State ZIP:	
Phone:	616-970-8459	Email:	MWicker@cdhconsult.com

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Westall Water Line	Turn Around	☒ Routine ☐ Rush
Project Number:		Due Date:	
Project Location:	Loco Hills, NM	TAT starts the day received by the lab, if received by 4:30pm	
Sampler's Name:	Dakoatah Cueto		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	Yes No
Samples 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:	4.0
Total Containers:		Corrected Temperature:	3.8

Pres. Code

ANALYSIS REQUEST

Parameters: CHLORIDES

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	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Sample Comments
BF01@0.25-0.75	S	4/16/2025	07:44		G	1	
BF01@1.25-1.75			07:49				
BF01@2.25-2.75			07:56				
BF01@3.25-3.75			08:04				
BF02@0.25-0.75			08:10				
BF02@1.25-1.75			08:14				
BF02@2.25-2.75			08:17				
BF02@3.25-3.75			08:21				
BF03@0.25-0.75			08:26				
BF03@1.25-1.75			08:31				

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010 : 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg: 1631 / 245.1 / 7470 / 7471

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

	Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1	Dakoatah Cueto		14:43 4/17			
3				4		
5				6		

Revised Date: 08/25/2020 Rev. 2020.2

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Chain of Custody

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

Work Order No:

www.xenco.com Page 2 of 5

Project Manager:	Michael Wicker	Bill to: (if different)	COH Consulting
Company Name:	Mr. NM Operating	Company Name:	
Address:		Address:	
City, State ZIP:		City, State ZIP:	
Phone:	616-970-8459	Email:	mwicker@cdhconsult.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Westall Water Line	Turn Around	
Project Number:		☒ Routine ☐ Rush	
Project Location:	Loco Hills NM	Due Date:	
Sampler's Name:	Dakoatah Cueto	TAT starts the day received by the lab, if received by 4:30pm	
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	Yes No
Samples 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:	

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	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	Parameters: CHLORIDES	Sample Comments
BF03@2.25-2.75	S	4/16/2025	08:35		G	1			
BF03@3.25-3.75			08:41						
BF04@0.25-0.75			08:46						
BF04@1.25-1.75			08:52						
BF04@2.25-2.75			08:59						
BF04@3.25-3.75			09:08						
BF05@0.25-0.75			09:23						
BF05@1.25-1.75			09:28						
BF05@2.25-2.75			09:35						
BF05@3.25-3.75			09:42						

ANALYSIS REQUEST

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010 : 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg: 1631 / 245.1 / 7470 / 7471

	Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1	Dakoatah Cueto		1443 4/16	2		
3				4		
5				6		

Revised Date: 08/25/2020 Rev. 2020.2

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Chain of Custody

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Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334
EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Work Order No: _____

www.xenco.com Page 4 of 5

Project Manager:	Michael Wicker	Bill to: (if different)	CDH Consulting
Company Name:	Mr. NM Operating	Company Name:	
Address:		Address:	
City, State ZIP:		City, State ZIP:	
Phone:	616-970-8459	Email:	mwicker@cdhconsult.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Westall Water Line	Turn Around	
Project Number:		☒ Routine ☐ Rush	
Project Location:	Loco Hills NM	Due Date:	
Sampler's Name:	Dakotah Cueto	TAT starts the day received by the lab, if received by 4:30pm	
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	Yes No
Samples 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:	

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	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	Parameters: CHLORIDES	Sample Comments
BF08@2.25-2.75	S	4/16/2025	11:41		G	1		✓	
BF08@3.25-3.75			11:50					✓	
BF09@0.25-0.75			12:58					✓	
BF09@1.25-1.75			13:07					✓	
BF09@2.25-2.75			13:16					✓	
BF09@3.25-3.75			13:22					✓	
BF10@0.25-0.75			13:30					✓	
BF10@1.25-1.75			13:36					✓	
BF10@2.25-2.75			13:45					✓	
BF10@3.25-3.75			13:57					✓	

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010 : 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg: 1631 / 245.1 / 7470 / 7471

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	Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1	Dakotah Cueto		14:45 4/17			
3				4		
5				6		

Revised Date: 08/25/2020 Rev. 2020.2

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Chain of Custody

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

Work Order No: _____

www.xenco.com Page 3 of 5

Project Manager:	Michael Wicker	Bill to: (if different)	CDH Consulting
Company Name:	Mr. NM. Operating	Company Name:	
Address:		Address:	
City, State ZIP:		City, State ZIP:	
Phone:	616-970-8459	Email:	MWicker@cdhconsult.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Westall Water Line	Turn Around	
Project Number:		☒ Routine ☐ Rush	
Project Location:	Loco Hills NM	Due Date:	
Sampler's Name:	Dakoatah Cueto	TAT starts the day received by the lab, if received by 4:30pm	
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	Yes No
Samples 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:	

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	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Parameters: Chlorides	Sample Comments
BF06@0.25-0.75	S	4/16/2025	10:02		G	1	✓	
BF06@1.25-1.75			10:09				✓	
BF06@2.25-2.75			10:16				✓	
BF06@3.25-3.75			10:24				✓	
BF07@0.25-0.75			10:57				✓	
BF07@1.25-1.75			11:03				✓	
BF07@2.25-2.75			11:10				✓	
BF07@3.25-3.75			11:19				✓	
BF08@0.25-0.75			11:27				✓	
BF08@1.25-1.75			11:34				✓	

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010 : 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg: 1631 / 245.1 / 7470 / 7471

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	Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1	Dakoatah Cueto		14:43 4/16			
3				4		
5				6		

Revised Date: 08/25/2020 Rev. 2020.2

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Chain of Custody

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

Work Order No: _____

www.xenco.com Page 5 of 5

Project Manager:	Michael Wicker	Bill to: (if different)	CDH Consulting
Company Name:	Mr NM Operating	Company Name:	
Address:		Address:	
City, State ZIP:		City, State ZIP:	
Phone:	1016-970-8459	Email:	MWicker@cdhconsult.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Westall Water Line	Turn Around	
Project Number:		☒ Routine ☐ Rush	
Project Location:	Loco Hills, NM	Due Date:	
Sampler's Name:	Dakota Cueto	TAT starts the day received by the lab, if received by 4:30pm	
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	Yes No
Samples 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:	

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	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	Parameters: CHLORIDES	Sample Comments
BF11@0.25-0.75	S	4/16/2025			G	1			
BF11@1.25-1.75									
BF11@2.25-2.75									
BF11@3.25-3.75									
BF12@0.25-0.75									
BF12@0.25-1.75									
BF12@0.25-2.75									
BF12@3.25-3.75									

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010 : 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg: 1631 / 245.1 / 7470 / 7471

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	Relinquished by: (Signature)	Received by: (Signature)	Date/Time		Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1	Dakota Cueto	Abraham	14:42	4/17			
3				4			
5				6			

Revised Date: 08/25/2020 Rev. 2020.2

Login Sample Receipt Checklist

Client: CDH Consulting Job Number: 890-7983-1

Login Number: 7983 **List Source: Eurofins Carlsbad**
List Number: 1
Creator: Lopez, Abraham

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: CDH Consulting Job Number: 890-7983-1

Login Number: 7983 **List Source: Eurofins Midland**
List Number: 2 **List Creation: 04/17/25 08:56 PM**
Creator: Laing, Edmundo

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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ANALYTICAL REPORT

PREPARED FOR

Attn: Devin Girtin
CDH Consulting
9446 Clermont St,
Thornton, Colorado 80229

Generated 8/6/2025 8:43:48 AM

JOB DESCRIPTION

Westall Line Release

JOB NUMBER

890-8454-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

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

Generated
8/6/2025 8:43:48 AM

Authorized for release by
Jodi Allen, Project Manager I
Jodi.Allen@et.eurofinsus.com
(281)520-2865

Client: CDH Consulting
Project/Site: Westall Line Release

Laboratory Job ID: 890-8454-1

Table of Contents

Definitions/Glossary

Client: CDH Consulting
Project/Site: Westall Line Release

Job ID: 890-8454-1

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
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: CDH Consulting
Project: Westall Line Release

Job ID: 890-8454-1

Job ID: 890-8454-1 Eurofins Carlsbad

Job Narrative
890-8454-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

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

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

Receipt
The samples were received on 7/16/2025 11:34 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 5.8°C.

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

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

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

Case Narrative

Client: CDH Consulting
Project: Westall Line Release

Job ID: 890-8454-1

Job ID: 890-8454-2 Eurofins Carlsbad

Job Narrative
890-8454-2

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 7/16/2025 11:34 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 5.8°C.

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: CDH Consulting
Project/Site: Westall Line Release

Job ID: 890-8454-1

Client Sample ID: BFN
Lab Sample ID: 890-8454-1
Date Collected: 07/16/25 08:21
Matrix: Solid
Date Received: 07/16/25 11:34
Sample Depth: 0-4

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1110		49.9		mg/Kg			07/17/25 10:09	5

Client Sample ID: BFE
Lab Sample ID: 890-8454-2
Date Collected: 07/16/25 08:37
Matrix: Solid
Date Received: 07/16/25 11:34
Sample Depth: 0-4

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	420		9.92		mg/Kg			07/17/25 10:17	1

Client Sample ID: BFS
Lab Sample ID: 890-8454-3
Date Collected: 07/16/25 08:44
Matrix: Solid
Date Received: 07/16/25 11:34
Sample Depth: 0-4

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	808		50.2		mg/Kg			07/17/25 10:40	5

Client Sample ID: BFW
Lab Sample ID: 890-8454-4
Date Collected: 07/16/25 08:50
Matrix: Solid
Date Received: 07/16/25 11:34
Sample Depth: 0-4

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	538		49.8		mg/Kg			07/17/25 10:48	5

Client Sample ID: BFF 1
Lab Sample ID: 890-8454-5
Date Collected: 07/16/25 08:58
Matrix: Solid
Date Received: 07/16/25 11:34
Sample Depth: 4.5

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7930		99.8		mg/Kg			07/17/25 10:55	10

Client Sample ID: BFF 2
Lab Sample ID: 890-8454-6
Date Collected: 07/16/25 09:09
Matrix: Solid
Date Received: 07/16/25 11:34
Sample Depth: 4.5

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	603		10.0		mg/Kg			07/17/25 11:03	1

Client Sample Results

Client: CDH Consulting
Project/Site: Westall Line Release

Job ID: 890-8454-1

Client Sample ID: BFTS

Lab Sample ID: 890-8454-7
Matrix: Solid
Date Collected: 07/16/25 09:15
Date Received: 07/16/25 11:34

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		07/17/25 07:50	07/17/25 08:14	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/17/25 07:50	07/17/25 08:14	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/17/25 07:50	07/17/25 08:14	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/17/25 07:50	07/17/25 08:14	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/17/25 07:50	07/17/25 08:14	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/17/25 07:50	07/17/25 08:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*	*07/17/25 07:50*	*07/17/25 08:14*	*1*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*	*07/17/25 07:50*	*07/17/25 08:14*	*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			07/17/25 08:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			07/17/25 08:58	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	<49.6	U	49.6		mg/Kg		07/16/25 08:25	07/17/25 08:58	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		07/16/25 08:25	07/17/25 08:58	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		07/16/25 08:25	07/17/25 08:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*118*		*70 - 130*	*07/16/25 08:25*	*07/17/25 08:58*	*1*
o-Terphenyl	*110*		*70 - 130*	*07/16/25 08:25*	*07/17/25 08:58*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**48.5**		10.0		mg/Kg			08/06/25 04:38	1

Client Sample ID: BFC

Lab Sample ID: 890-8454-8
Matrix: Solid
Date Collected: 07/16/25 09:23
Date Received: 07/16/25 11:34

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		07/17/25 07:50	07/17/25 08:35	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/17/25 07:50	07/17/25 08:35	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/17/25 07:50	07/17/25 08:35	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/17/25 07:50	07/17/25 08:35	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		07/17/25 07:50	07/17/25 08:35	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/17/25 07:50	07/17/25 08:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*07/17/25 07:50*	*07/17/25 08:35*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*07/17/25 07:50*	*07/17/25 08:35*	*1*

Client Sample Results

Client: CDH Consulting
Project/Site: Westall Line Release

Job ID: 890-8454-1

Client Sample ID: BFC

Date Collected: 07/16/25 09:23
Date Received: 07/16/25 11:34

Lab Sample ID: 890-8454-8
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			07/17/25 08:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/17/25 09:14	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		07/16/25 08:25	07/17/25 09:14	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/16/25 08:25	07/17/25 09:14	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/16/25 08:25	07/17/25 09:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*114*		*70 - 130*	*07/16/25 08:25*	*07/17/25 09:14*	*1*
o-Terphenyl	*97*		*70 - 130*	*07/16/25 08:25*	*07/17/25 09:14*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**68.8**		9.94		mg/Kg			08/06/25 04:55	1

Surrogate Summary

Client: CDH Consulting
Project/Site: Westall Line Release

Job ID: 890-8454-1

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)
890-8454-7	BFTS	92	106
890-8454-8	BFC	99	98
LCS 880-114301/1-A	Lab Control Sample	98	109
LCSD 880-114301/2-A	Lab Control Sample Dup	98	102
MB 880-114291/8	Method Blank	102	93
MB 880-114301/5-A	Method Blank	99	91

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)
890-8454-7	BFTS	118	110
890-8454-8	BFC	114	97
LCS 880-114246/2-A	Lab Control Sample	107	107
LCSD 880-114246/3-A	Lab Control Sample Dup	108	107
MB 880-114246/1-A	Method Blank	103	94

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: CDH Consulting
Project/Site: Westall Line Release

Job ID: 890-8454-1

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-114291/8
Matrix: Solid
Analysis Batch: 114291

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg			07/16/25 16:28	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg			07/16/25 16:28	1
Toluene	<0.00200	U	0.00200		mg/Kg			07/16/25 16:28	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg			07/16/25 16:28	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg			07/16/25 16:28	1
o-Xylene	<0.00200	U	0.00200		mg/Kg			07/16/25 16:28	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*		*07/16/25 16:28*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*		*07/16/25 16:28*	*1*

Lab Sample ID: MB 880-114301/5-A
Matrix: Solid
Analysis Batch: 114291

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 114301

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/16/25 20:24	07/16/25 23:27	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/16/25 20:24	07/16/25 23:27	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/16/25 20:24	07/16/25 23:27	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/16/25 20:24	07/16/25 23:27	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/16/25 20:24	07/16/25 23:27	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/16/25 20:24	07/16/25 23:27	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*07/16/25 20:24*	*07/16/25 23:27*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*07/16/25 20:24*	*07/16/25 23:27*	*1*

Lab Sample ID: LCS 880-114301/1-A
Matrix: Solid
Analysis Batch: 114291

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 114301

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1056		mg/Kg		106	70 - 130
Ethylbenzene	0.100	0.1081		mg/Kg		108	70 - 130
Toluene	0.100	0.09573		mg/Kg		96	70 - 130
m-Xylene & p-Xylene	0.200	0.2152		mg/Kg		108	70 - 130
o-Xylene	0.100	0.1059		mg/Kg		106	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*

Lab Sample ID: LCSD 880-114301/2-A
Matrix: Solid
Analysis Batch: 114291

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 114301

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1001		mg/Kg		100	70 - 130	5	35

QC Sample Results

Client: CDH Consulting
Project/Site: Westall Line Release

Job ID: 890-8454-1

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

Lab Sample ID: LCSD 880-114301/2-A
Matrix: Solid
Analysis Batch: 114291

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 114301

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ethylbenzene			0.100	0.1072		mg/Kg		107	70 - 130	1	35
Toluene			0.100	0.09540		mg/Kg		95	70 - 130	0	35
m-Xylene & p-Xylene			0.200	0.2130		mg/Kg		107	70 - 130	1	35
o-Xylene			0.100	0.1056		mg/Kg		106	70 - 130	0	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*

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

Lab Sample ID: MB 880-114246/1-A
Matrix: Solid
Analysis Batch: 114289

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 114246

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		07/16/25 08:25	07/16/25 22:00	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/16/25 08:25	07/16/25 22:00	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/16/25 08:25	07/16/25 22:00	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*103*		*70 - 130*	*07/16/25 08:25*	*07/16/25 22:00*	*1*
o-Terphenyl	*94*		*70 - 130*	*07/16/25 08:25*	*07/16/25 22:00*	*1*

Lab Sample ID: LCS 880-114246/2-A
Matrix: Solid
Analysis Batch: 114289

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 114246

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10			1000	1091		mg/Kg		109	70 - 130
Diesel Range Organics (Over C10-C28)			1000	1076		mg/Kg		108	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*107*		*70 - 130*
o-Terphenyl	*107*		*70 - 130*

Lab Sample ID: LCSD 880-114246/3-A
Matrix: Solid
Analysis Batch: 114289

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 114246

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1081		mg/Kg		108	70 - 130	1	20
Diesel Range Organics (Over C10-C28)			1000	1086		mg/Kg		109	70 - 130	1	20

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QC Sample Results

Client: CDH Consulting
Project/Site: Westall Line Release

Job ID: 890-8454-1

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

Lab Sample ID: LCSD 880-114246/3-A
Matrix: Solid
Analysis Batch: 114289

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 114246

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*108*		*70 - 130*
o-Terphenyl	*107*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-114312/1-A
Matrix: Solid
Analysis Batch: 114319

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			07/17/25 09:08	1

Lab Sample ID: LCS 880-114312/2-A
Matrix: Solid
Analysis Batch: 114319

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	234.8		mg/Kg		94	90 - 110		

Lab Sample ID: LCSD 880-114312/3-A
Matrix: Solid
Analysis Batch: 114319

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	230.3		mg/Kg		92	90 - 110	2	20

Lab Sample ID: MB 880-115878/1-A
Matrix: Solid
Analysis Batch: 115892

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			08/06/25 03:47	1

Lab Sample ID: LCS 880-115878/2-A
Matrix: Solid
Analysis Batch: 115892

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	233.0		mg/Kg		93	90 - 110		

Lab Sample ID: LCSD 880-115878/3-A
Matrix: Solid
Analysis Batch: 115892

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	234.2		mg/Kg		94	90 - 110	1	20

QC Association Summary

Client: CDH Consulting
Project/Site: Westall Line Release

Job ID: 890-8454-1

GC VOA

Analysis Batch: 114291

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8454-7	BFTS	Total/NA	Solid	8021B	114301
890-8454-8	BFC	Total/NA	Solid	8021B	114301
MB 880-114291/8	Method Blank	Total/NA	Solid	8021B	
MB 880-114301/5-A	Method Blank	Total/NA	Solid	8021B	114301
LCS 880-114301/1-A	Lab Control Sample	Total/NA	Solid	8021B	114301
LCSD 880-114301/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	114301

Prep Batch: 114301

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8454-7	BFTS	Total/NA	Solid	5035	
890-8454-8	BFC	Total/NA	Solid	5035	
MB 880-114301/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-114301/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-114301/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 114384

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8454-7	BFTS	Total/NA	Solid	Total BTEX	
890-8454-8	BFC	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 114246

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8454-7	BFTS	Total/NA	Solid	8015NM Prep	
890-8454-8	BFC	Total/NA	Solid	8015NM Prep	
MB 880-114246/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-114246/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-114246/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 114289

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8454-7	BFTS	Total/NA	Solid	8015B NM	114246
890-8454-8	BFC	Total/NA	Solid	8015B NM	114246
MB 880-114246/1-A	Method Blank	Total/NA	Solid	8015B NM	114246
LCS 880-114246/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	114246
LCSD 880-114246/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	114246

Analysis Batch: 114370

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8454-7	BFTS	Total/NA	Solid	8015 NM	
890-8454-8	BFC	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 114312

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8454-1	BFN	Soluble	Solid	DI Leach	
890-8454-2	BFE	Soluble	Solid	DI Leach	
890-8454-3	BFS	Soluble	Solid	DI Leach	
890-8454-4	BFW	Soluble	Solid	DI Leach	
890-8454-5	BFF 1	Soluble	Solid	DI Leach	

QC Association Summary

Client: CDH Consulting
Project/Site: Westall Line Release

Job ID: 890-8454-1

HPLC/IC (Continued)

Leach Batch: 114312 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8454-6	BFF 2	Soluble	Solid	DI Leach	
MB 880-114312/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-114312/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-114312/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 114319

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8454-1	BFN	Soluble	Solid	300.0	114312
890-8454-2	BFE	Soluble	Solid	300.0	114312
890-8454-3	BFS	Soluble	Solid	300.0	114312
890-8454-4	BFW	Soluble	Solid	300.0	114312
890-8454-5	BFF 1	Soluble	Solid	300.0	114312
890-8454-6	BFF 2	Soluble	Solid	300.0	114312
MB 880-114312/1-A	Method Blank	Soluble	Solid	300.0	114312
LCS 880-114312/2-A	Lab Control Sample	Soluble	Solid	300.0	114312
LCSD 880-114312/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	114312

Leach Batch: 115878

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8454-7	BFTS	Soluble	Solid	DI Leach	
890-8454-8	BFC	Soluble	Solid	DI Leach	
MB 880-115878/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-115878/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-115878/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 115892

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8454-7	BFTS	Soluble	Solid	300.0	115878
890-8454-8	BFC	Soluble	Solid	300.0	115878
MB 880-115878/1-A	Method Blank	Soluble	Solid	300.0	115878
LCS 880-115878/2-A	Lab Control Sample	Soluble	Solid	300.0	115878
LCSD 880-115878/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	115878

Lab Chronicle

Client: CDH Consulting
Project/Site: Westall Line Release

Job ID: 890-8454-1

Client Sample ID: BFN
Date Collected: 07/16/25 08:21
Date Received: 07/16/25 11:34

Lab Sample ID: 890-8454-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Soluble	Leach	DI Leach			114312	SA	EET MID	07/17/25 08:00
Soluble	Analysis	300.0		5	114319	SMC	EET MID	07/17/25 10:09

Client Sample ID: BFE
Date Collected: 07/16/25 08:37
Date Received: 07/16/25 11:34

Lab Sample ID: 890-8454-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Soluble	Leach	DI Leach			114312	SA	EET MID	07/17/25 08:00
Soluble	Analysis	300.0		1	114319	SMC	EET MID	07/17/25 10:17

Client Sample ID: BFS
Date Collected: 07/16/25 08:44
Date Received: 07/16/25 11:34

Lab Sample ID: 890-8454-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Soluble	Leach	DI Leach			114312	SA	EET MID	07/17/25 08:00
Soluble	Analysis	300.0		5	114319	SMC	EET MID	07/17/25 10:40

Client Sample ID: BFW
Date Collected: 07/16/25 08:50
Date Received: 07/16/25 11:34

Lab Sample ID: 890-8454-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Soluble	Leach	DI Leach			114312	SA	EET MID	07/17/25 08:00
Soluble	Analysis	300.0		5	114319	SMC	EET MID	07/17/25 10:48

Client Sample ID: BFF 1
Date Collected: 07/16/25 08:58
Date Received: 07/16/25 11:34

Lab Sample ID: 890-8454-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Soluble	Leach	DI Leach			114312	SA	EET MID	07/17/25 08:00
Soluble	Analysis	300.0		10	114319	SMC	EET MID	07/17/25 10:55

Client Sample ID: BFF 2
Date Collected: 07/16/25 09:09
Date Received: 07/16/25 11:34

Lab Sample ID: 890-8454-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Soluble	Leach	DI Leach			114312	SA	EET MID	07/17/25 08:00
Soluble	Analysis	300.0		1	114319	SMC	EET MID	07/17/25 11:03

Lab Chronicle

Client: CDH Consulting
Project/Site: Westall Line Release

Job ID: 890-8454-1

Client Sample ID: BFTS
Date Collected: 07/16/25 09:15
Date Received: 07/16/25 11:34

Lab Sample ID: 890-8454-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			114301	MNR	EET MID	07/17/25 07:50
Total/NA	Analysis	8021B		1	114291	MNR	EET MID	07/17/25 08:14
Total/NA	Analysis	Total BTEX		1	114384	SA	EET MID	07/17/25 08:14
Total/NA	Analysis	8015 NM		1	114370	SA	EET MID	07/17/25 08:58
Total/NA	Prep	8015NM Prep			114246	FC	EET MID	07/16/25 08:25
Total/NA	Analysis	8015B NM		1	114289	TKC	EET MID	07/17/25 08:58
Soluble	Leach	DI Leach			115878	SA	EET MID	08/05/25 12:56
Soluble	Analysis	300.0		1	115892	CS	EET MID	08/06/25 04:38

Client Sample ID: BFC
Date Collected: 07/16/25 09:23
Date Received: 07/16/25 11:34

Lab Sample ID: 890-8454-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			114301	MNR	EET MID	07/17/25 07:50
Total/NA	Analysis	8021B		1	114291	MNR	EET MID	07/17/25 08:35
Total/NA	Analysis	Total BTEX		1	114384	SA	EET MID	07/17/25 08:35
Total/NA	Analysis	8015 NM		1	114370	SA	EET MID	07/17/25 09:14
Total/NA	Prep	8015NM Prep			114246	FC	EET MID	07/16/25 08:25
Total/NA	Analysis	8015B NM		1	114289	TKC	EET MID	07/17/25 09:14
Soluble	Leach	DI Leach			115878	SA	EET MID	08/05/25 12:56
Soluble	Analysis	300.0		1	115892	CS	EET MID	08/06/25 04:55

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

Accreditation/Certification Summary

Client: CDH Consulting
Job ID: 890-8454-1
Project/Site: Westall Line Release

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	06-30-26

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
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: CDH Consulting
Project/Site: Westall Line Release

Job ID: 890-8454-1

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: CDH Consulting
Project/Site: Westall Line Release

Job ID: 890-8454-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-8454-1	BFN	Solid	07/16/25 08:21	07/16/25 11:34	0-4
890-8454-2	BFE	Solid	07/16/25 08:37	07/16/25 11:34	0-4
890-8454-3	BFS	Solid	07/16/25 08:44	07/16/25 11:34	0-4
890-8454-4	BFW	Solid	07/16/25 08:50	07/16/25 11:34	0-4
890-8454-5	BFF 1	Solid	07/16/25 08:58	07/16/25 11:34	4.5
890-8454-6	BFF 2	Solid	07/16/25 09:09	07/16/25 11:34	4.5
890-8454-7	BFTS	Solid	07/16/25 09:15	07/16/25 11:34	
890-8454-8	BFC	Solid	07/16/25 09:23	07/16/25 11:34	

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Chain of Custody

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

890-8454 Chain of Custody

Project Manager:	Devin Girtin	Bill to: (if different)	CDH Consulting
Company Name:	Mr. NM Operating	Company Name:	
Address:		Address:	
City, State ZIP:		City, State ZIP:	
Phone:	303-895-7556	Email:	dgirtin@cdhconsulti.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Westall Line Release	Turn Around	☐ Routine ☒ Rush
Project Number:		Pres. Code	
Project Location:	Loco Hills NM	Due Date:	7-17-2025
Sampler's Name:	Dakoatah Cueto	TAT starts the day received by the lab, if received by 4:30pm	
PO #:			

SAMPLE RECEIPT			
Temp Blank:	(Yes) No	Wet Ice:	(Yes) No
Samples Received Intact:	(Yes) No	Thermometer ID:	TR0007
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	6.0
Total Containers:		Corrected Temperature:	5.8

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	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Parameters: Chloride	Parameters: NM13GRO	Sample Comments
BFN	S	7-16-2025	08:21	0-4.5	C	1	✓		
BFE	S	7-16-2025	08:37	0-4.5	C	1	✓		
BFS	S	7-16-2025	08:44	0-4.5	C	1	✓		
BFW	S	7-16-2025	08:50	0-4.5	C	1	✓		
BFF1	S	7-16-2025	08:58	4.5	C	1	✓		
BFF2	S	7-16-2025	09:09	4.5	C	1	✓		
BFTS	S	7-16-2025	09:15	-	C	1		✓	
BFC	S	7-16-2025	09:23	-	C	1		✓	

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010 : 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg: 1631 / 245.1 / 7470 / 7471

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

	Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1	Dakoatah Cueto		11:54 7/16			
3				4		
5				6		

Revised Date: 08/25/2020 Rev. 2020.2

Login Sample Receipt Checklist

Client: CDH Consulting Job Number: 890-8454-2

Login Number: 8454 **List Source: Eurofins Carlsbad**
List Number: 1
Creator: Lopez, Abraham

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	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.
Eurofins Carlsbad

Login Sample Receipt Checklist

Client: CDH Consulting Job Number: 890-8454-2

Login Number: 8454
List Number: 2
Creator: Laing, Edmundo

List Source: Eurofins Midland
List Creation: 07/17/25 07:34 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	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

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ANALYTICAL REPORT

PREPARED FOR

Attn: Devin Girtin
CDH Consulting
9446 Clermont St,
Thornton, Colorado 80229

Generated 7/23/2025 1:59:39 PM

JOB DESCRIPTION

WESTALL LINE RELEASE
LOCO HILLS

JOB NUMBER

890-8496-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

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

Generated
7/23/2025 1:59:39 PM

Authorized for release by
Jodi Allen, Project Manager I
Jodi.Allen@et.eurofinsus.com
(281)520-2865

Client: CDH Consulting
Project/Site: WESTALL LINE RELEASE

Laboratory Job ID: 890-8496-1
SDG: LOCO HILLS

Table of Contents

Definitions/Glossary

Client: CDH Consulting
Project/Site: WESTALL LINE RELEASE

Job ID: 890-8496-1
SDG: LOCO HILLS

Qualifiers

HPLC/IC

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

Glossary

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

Job ID: 890-8496-1

Job ID: 890-8496-1 Eurofins Carlsbad

Job Narrative
890-8496-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

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

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

Receipt
The samples were received on 7/22/2025 2:02 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 3.0°C.

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: BFN (890-8496-1) and BFS (890-8496-2).

HPLC/IC
Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-114762 and analytical batch 880-114796 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.

Client Sample Results

Client: CDH Consulting
Project/Site: WESTALL LINE RELEASE

Job ID: 890-8496-1
SDG: LOCO HILLS

Client Sample ID: BFN

Lab Sample ID: 890-8496-1
Matrix: Solid
Date Collected: 07/22/25 09:23
Date Received: 07/22/25 14:02
Sample Depth: 0-4.5

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	399	F1	9.94		mg/Kg			07/23/25 12:23	1

Client Sample ID: BFS

Lab Sample ID: 890-8496-2
Matrix: Solid
Date Collected: 07/22/25 09:32
Date Received: 07/22/25 14:02
Sample Depth: 0-4.5

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	405		9.92		mg/Kg			07/23/25 12:46	1

QC Sample Results

Client: CDH Consulting
Project/Site: WESTALL LINE RELEASE

Job ID: 890-8496-1
SDG: LOCO HILLS

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-114762/1-A
Matrix: Solid
Analysis Batch: 114796

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			07/23/25 10:13	1

Lab Sample ID: LCS 880-114762/2-A
Matrix: Solid
Analysis Batch: 114796

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	225.8		mg/Kg		90	90 - 110		

Lab Sample ID: LCSD 880-114762/3-A
Matrix: Solid
Analysis Batch: 114796

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	229.4		mg/Kg		92	90 - 110	2	20

Lab Sample ID: 890-8496-1 MS
Matrix: Solid
Analysis Batch: 114796

Client Sample ID: BFN
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	399	F1	249	619.2	F1	mg/Kg		88	90 - 110		

Lab Sample ID: 890-8496-1 MSD
Matrix: Solid
Analysis Batch: 114796

Client Sample ID: BFN
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	399	F1	249	621.0	F1	mg/Kg		89	90 - 110	0	20

QC Association Summary

Client: CDH Consulting
Project/Site: WESTALL LINE RELEASE

Job ID: 890-8496-1
SDG: LOCO HILLS

HPLC/IC

Leach Batch: 114762

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8496-1	BFN	Soluble	Solid	DI Leach	
890-8496-2	BFS	Soluble	Solid	DI Leach	
MB 880-114762/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-114762/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-114762/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-8496-1 MS	BFN	Soluble	Solid	DI Leach	
890-8496-1 MSD	BFN	Soluble	Solid	DI Leach	

Analysis Batch: 114796

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8496-1	BFN	Soluble	Solid	300.0	114762
890-8496-2	BFS	Soluble	Solid	300.0	114762
MB 880-114762/1-A	Method Blank	Soluble	Solid	300.0	114762
LCS 880-114762/2-A	Lab Control Sample	Soluble	Solid	300.0	114762
LCSD 880-114762/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	114762
890-8496-1 MS	BFN	Soluble	Solid	300.0	114762
890-8496-1 MSD	BFN	Soluble	Solid	300.0	114762

Lab Chronicle

Client: CDH Consulting
Project/Site: WESTALL LINE RELEASE

Job ID: 890-8496-1
SDG: LOCO HILLS

Client Sample ID: BFN

Lab Sample ID: 890-8496-1

Date Collected: 07/22/25 09:23
Matrix: Solid
Date Received: 07/22/25 14:02

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Soluble	Leach	DI Leach			114762	SA	EET MID	07/22/25 16:45
Soluble	Analysis	300.0		1	114796	CS	EET MID	07/23/25 12:23

Client Sample ID: BFS

Lab Sample ID: 890-8496-2

Date Collected: 07/22/25 09:32
Matrix: Solid
Date Received: 07/22/25 14:02

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Soluble	Leach	DI Leach			114762	SA	EET MID	07/22/25 16:45
Soluble	Analysis	300.0		1	114796	CS	EET MID	07/23/25 12:46

Laboratory References:

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

Accreditation/Certification Summary

Client: CDH Consulting
Project/Site: WESTALL LINE RELEASE

Job ID: 890-8496-1
SDG: LOCO HILLS

Laboratory: Eurofins Midland

The accreditations/certifications listed below are applicable to this report.

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

Method Summary

Client: CDH Consulting
Project/Site: WESTALL LINE RELEASE

Job ID: 890-8496-1
SDG: LOCO HILLS

Method	Method Description	Protocol	Laboratory
300.0	Anions, Ion Chromatography	EPA	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

Laboratory References:

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

Sample Summary

Client: CDH Consulting
Project/Site: WESTALL LINE RELEASE

Job ID: 890-8496-1
SDG: LOCO HILLS

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-8496-1	BFN	Solid	07/22/25 09:23	07/22/25 14:02	0-4.5
890-8496-2	BFS	Solid	07/22/25 09:32	07/22/25 14:02	0-4.5

Chain of Custody

eurofins | Environment Testing Xenco

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

Work Order No: _____

www.xenco.com Page 1 of 1

Project Manager:	Devin Girtin	Bill to: (if different)	CDH Consulting
Company Name:	MR. NM Operating	Company Name:	
Address:		Address:	
City, State ZIP:		City, State ZIP:	
Phone:	303-895-7556	Email:	dgirtin@cdhconsult.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Westall Line Release	Turn Around	
Project Number:		☐ Routine ☒ Rush	Pres. Code
Project Location:	Loco Hills NM	Due Date:	7-23-2025
Sampler's Name:	Dakoatah Cueto	TAT starts the day received by the lab, if received by 4:30pm	
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	Yes No
Samples Received Intact:	Yes No	Thermometer ID:	TUN007
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.2
Sample Custody Seals:	Yes No N/A	Temperature Reading:	3.2
Total Containers:		Corrected Temperature:	3.0

ANALYSIS REQUEST

890-8496 Chain of Custody

Parameters: Chloride

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	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Sample Comments
BFN	S	7.22.2025	09:23	0-4.5	C	1	
BFS	S	7.22.2025	09:32	0-4.5	C	1	

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010 : 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg: 1631 / 245.1 / 7470 / 7471

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 Dakoatah Cueto		7/22 14:02	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Login Sample Receipt Checklist

Client: CDH Consulting

Job Number: 890-8496-1
SDG Number: LOCO HILLS

Login Number: 8496
List Number: 1
Creator: Bruns, Shannon

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: CDH Consulting

Job Number: 890-8496-1
SDG Number: LOCO HILLS

Login Number: 8496
List Number: 2
Creator: Vasquez, Julisa

List Source: Eurofins Midland
List Creation: 07/23/25 08:38 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 492800

QUESTIONS

Operator: MR NM Operating LLC 5950 Berkshire Lane Dallas, TX 75225	OGRID: 330506
	Action Number: 492800
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2322554757**
Incident Name	**NAPP2322554757 WATER DISPOSAL FLOWLINE RELEASE @ 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	WATER DISPOSAL FLOWLINE RELEASE
Date Release Discovered	07/31/2023
Surface Owner	Federal

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: Human Error | Flow Line - Production | Produced Water | Released: 150 BBL | Recovered: 25 BBL | Lost: 125 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	*Not answered.*
Natural Gas Vented (Mcf) Details	*Not answered.*
Natural Gas Flared (Mcf) Details	*Not answered.*
Other Released Details	*Not answered.*
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	*Not answered.*

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QUESTIONS (continued)

Operator: MR NM Operating LLC 5950 Berkshire Lane Dallas, TX 75225	OGRID: 330506
	Action Number: 492800
	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: Ginger Fast Title: Consultant Email: gfast@CDHConsult.com Date: 10/04/2024

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QUESTIONS (continued)

Operator: MR NM Operating LLC 5950 Berkshire Lane Dallas, TX 75225	OGRID: 330506
	Action Number: 492800
	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	Attached Document
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 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Greater than 5 (mi.)
Any other fresh water well or spring	Greater than 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Between 1 and 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	Yes

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)	13900
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	0
GRO+DRO (EPA SW-846 Method 8015M)	0
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	12/15/2024
On what date will (or did) the final sampling or liner inspection occur	09/05/2024
On what date will (or was) the remediation complete(d)	07/22/2025
What is the estimated surface area (in square feet) that will be reclaimed	4600
What is the estimated volume (in cubic yards) that will be reclaimed	700
What is the estimated surface area (in square feet) that will be remediated	4600
What is the estimated volume (in cubic yards) that will be remediated	700
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: MR NM Operating LLC 5950 Berkshire Lane Dallas, TX 75225	OGRID: 330506
	Action Number: 492800
	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.)	Yes
Which OCD approved facility will be used for **off-site** disposal	R360 ARTESIA LLC LANDFARM [fEEM0112340644]
OR which OCD approved well (API) will be used for **off-site** disposal	*Not answered.*
OR is the **off-site** disposal site, to be used, out-of-state	No
OR is the **off-site** disposal site, to be used, an NMED facility	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)	No
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: Ginger Fast Title: Consultant Email: gfast@CDHConsult.com Date: 08/06/2025
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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QUESTIONS (continued)

Operator: MR NM Operating LLC 5950 Berkshire Lane Dallas, TX 75225	OGRID: 330506
	Action Number: 492800
	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: MR NM Operating LLC 5950 Berkshire Lane Dallas, TX 75225	OGRID: 330506
	Action Number: 492800
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	**451119**
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	**04/16/2025**
What was the (estimated) number of samples that were to be gathered	**10**
What was the sampling surface area in square feet	**746**

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	7870
What was the total volume (cubic yards) remediated	3935
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)	Remediation activities included delineation, excavation, and backfilling.

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: Ginger Fast Title: Consultant Email: gfast@CDHConsult.com Date: 08/06/2025

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

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

QUESTIONS (continued)

Operator: MR NM Operating LLC 5950 Berkshire Lane Dallas, TX 75225	OGRID: 330506
	Action Number: 492800
	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

Operator: MR NM Operating LLC 5950 Berkshire Lane Dallas, TX 75225	OGRID: 330506
	Action Number: 492800
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
scwells	Remediation closure approved with the following condition:	8/28/2025
scwells	Operator failed to provide proper Sampling Notification pursuant to 19.15.29.12.D.(1).(a) NMAC. Confirmation samples were collected on 7/16/25 and 7/22/25 but no C-141N was submitted. Failure to provide proper sampling notice is a compliance issue and the OCD may pursue compliance actions pursuant to 19.15.5 NMAC. Operator shall ensure future compliance with 19.15.29.12.D.(1).(a) NMAC.	8/28/2025