CDH Consulting, LLC
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REMEDIATION CLOSURE REPORT

Jackson B #029Y
Incident #nAPP2235556172
Loco Hills, New Mexico
32.8613129, -103.9286346
NESW, Section 1, Township 17 South, Range 30 East

Prepared For

MR NM Operating, LLC
Dallas, Texas

Prepared By

CDH Consulting, LLC
Thornton, Colorado

CDH CONSULTING

March 17, 2025

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

RE: Remediation Closure Report
MR NM Operating, LLC
Jackson B #029Y
Incident # nAPP2235556172
Loco Hills, New Mexico
32.8613129, -103.9286346
NESW, Section 1, Township 17 South, Range 30 East

Scott Rogers,

CDH Consulting, LLC (CDH) on behalf of MR NM Operating, LLC (MR NM) presents this Remediation Closure Report for the Jackson B #029Y (Incident # nAPP2235556172) to the New Mexico Oil Conservation Division (OCD).

SITE INFORMATION

The Jackson B #029 is located approximately 26.7 miles east of Artesia, New Mexico (Figure 1). The legal location description is northeast quarter of the southwest quarter of Section 01, Township 17 South, Range 30 East, Eddy County, New Mexico. This location was officially plugged and abandoned (PA) on July 10, 2008.

On September 29, 2022, a release of approximately 18 barrels (bbls) of produced water was discovered coming up the 4-½'' x 8-5/8'' annulus through an open valve below the dry hole marker. The cause of the release was determined to be equipment failure. The location of the release is shown on Figure 1. Upon discovery, steps were taken to absorb fluids while the location was built back to accommodate coil and crane operations. Work was done around the plugged and abandoned well to ensure adequate airflow as the new wellhead was welded. Rig up coil was used to drillout to 4.5 inches above existing formation proliferation. The work crew then show holes based on bond logs to isolate the equipment adequately. No liquids were recovered.

On December 21, 2022, a Form C-141 was submitted to the New Mexico Oil Conservation Division (OCD) detailing the initial response to the release. The initial C-141 is included as Attachment A. OCD has assigned incident number nAPP2235556172 to this release.

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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 0.5 miles of the site. At the Jackson B #59 site, located 0.3 miles south-southeast of the release, soil boring B-1 was completed to 125 below ground surface (bgs) and groundwater was not encountered. The location of the boring is shown in Figure 2.

As the depth to water near the release is greater than 100 feet bgs, the closure criteria for soils deeper than 4 feet bgs are as follows per 19.15.29.12.C.(4) NMAC.

Table I - Depth to ground water greater than 100 feet.

- Chlorides - 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 defined and reclaimed per NMAC 19.15.29.13.D.(1)

- Chlorides - 600 mg/kg
- TPH (GRO, DRO, MRO) - 100 mg/kg
- BTEX - 50 mg/kg
- Benzene - 10 mg/kg

SITE CHARACTERIZATION

On January 16, 2023, CDH personnel were onsite to visually inspect the impacted area and determine the extent of the release. While onsite, CDH staff collected samples to delineate the extent of the impacted soil. A total of 16 soil samples were collected from eight sample locations from within the impacted area and were analyzed for chloride, TPH (GRO+DRO+MRO), and BTEX. Sample results were compared to the above-mentioned closure criteria. The shallow soil (less than 10 feet bgs) observed at the site consists of brown, fine- to medium-grained, poorly consolidated sand and white, well consolidated caliche. The soil impacts were defined to the east and south of the release during this field event, however, further delineation was required horizontally to the north and west as well as vertically (refer to Figure 1 for the point of release). However, soil sample SS04 (682 mg/kg) collected at a depth of 0.5 feet bgs exceeded the chloride standard for soil within the top 4 feet of soil (600 mg/kg); therefore, the release was not horizontally delineated to the west. Soil samples SS06 (3,200 mg/kg) and SS06A (2,610 mg/kg) located north of the point of release, both exceeded the applicable chloride standard; therefore, the release was not horizontally delineated to the north. Soil samples SS03A (19,100 mg/kg), SS05A (11,800 mg/kg), and SS06A (2,610 mg/kg) exceeded the applicable chloride standard; therefore, the release was not vertically delineated.

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All soil samples collected and analyzed for BTEX were below the applicable laboratory reporting limits; therefore, BTEX was delineated horizontally and vertically. TPH impacted soil was delineated horizontally in all four directions; however, TPH impacts were not defined vertically beneath soil sample SS03A (106 mg/kg).

On February 14, 2023, CDH personnel were onsite to collect additional soil samples at locations SS03, SS05, and SS06 at a depth of 10 feet bgs . Soil samples were also collected at two new locations, SS09 (north of SS06) and SS10 (west of SS04), to vertically and horizontally delineate chloride and TPH impacted soil. Soil sample SS03J contained TPH below the laboratory reporting limit (53.6 mg/kg); therefore, TPH impacted soil was fully delineated both horizontally and vertically.

Soil samples SS05J (21,800 mg/kg) and SS06J (27,400 mg/kg) collected at a depth of 10 feet bgs exceeded chloride closure criteria for soil below 4 feet bgs (20,000 mg/kg); therefore, soil impacts were not defined vertically. Soil sample SS09 (1,120 mg/kg) collected at a depth of 0.5 feet bgs exceeded chloride closure criteria for soil within the top 4 feet of soil (600 mg/kg); therefore, the release was not defined horizontally to the north. Soil sample SS10 (28.7 mg/kg) was below chloride closure criteria for soil within the top 4 feet of soil and horizontally delineated the chloride impacted soil extent west of the release.

On August 14, 2023, CDH personnel were onsite to collect soil samples at locations SS05 (15, 20, and 25 feet bgs) and SS06 (15 and 20 feet bgs) to vertically delineate chloride impacted soil. Samples collected at 15 feet bgs were analyzed initially and the deeper samples were placed on hold pending results from soil samples collected at shallower depths. Soil sample SS05M collected at 25 feet bgs was only analyzed for chloride because the hold time for organics had expired; however, the 15 feet and 20 feet samples from the same boring were below the applicable laboratory reporting limits for TPH and BTEX. Chloride exceeded the chloride closure criteria for soil below 4 feet bgs (20,000 mg/kg) in SS05M (31,300 mg/kg) collected at 25 feet bgs; therefore, however, chloride impacted soil was not defined vertically in the source area. Chloride was below the closure criteria for soil below 4 feet bgs in soil sample SS06L (13,400 mg/kg) collected at 20 feet bgs; therefore, chloride impacted soil was defined vertically at this location. Shallow soil samples were also collected at SS11 and SS12 to horizontally delineate chloride impacted soil north of the release. Soil sample SS11 (764 mg/kg) collected at a depth of 0.5 feet bgs exceeded the chloride standard for soil within the top 4 feet of soil (600 mg/kg). Soil sample SS12 (90.8 mg/kg) collected at a depth of 0.5 feet bgs was below all closure criteria and horizontally delineated chloride impacted soil north of the release.

On October 10, 2023, CDH personnel were onsite to collect soil samples at location SS05 (30, 35, 40, 45, and 50 feet bgs) to vertically delineate chloride impacted soil within the source area of the release. Chloride exceeded the chloride closure criteria for soil below 4 feet bgs (20,000 mg/kg) in SS05N (36,200 mg/kg) and SS05O (28,900 mg/kg) collected at 30 feet and 35 feet; however, chloride was in-compliance with the chloride closure criteria in SS05P (13,800 mg/kg), SS05Q (18,300 mg/kg), and SS05R (7,120 mg/kg) collected at 40 feet, 45 feet, and 50 feet, respectively. Therefore, chloride-impacted soil was defined vertically within the source area. Laboratory analytical results for site characterization are summarized in Table 1 and presented on Figure 3.

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REMEDIATION ACTIVITIES

On August 7, 2024, the OCD and CDH discussed safety concerns regarding the excavation of chloride-impacted soil (poorly consolidated sand, Type C) to a depth of 40 feet bgs. During this meeting it was agreed that chloride-impacted soil would be removed to the maximum extent practicable (MEP), that CDH would contact the OCD once MEP was achieved to confirm both parties agreed to cease further excavation, and that a geotextile liner would be installed at the MEP depth as added groundwater protection from the elevated chloride concentrations identified at depth.

Excavation activities were completed by BDS in December 2024 and concluded in January 2025. The surface flowlines were relocated as required to access chloride-impacted soil beneath the surface flowline corridor. Field screening and confirmation soil sampling was completed to ensure soil at the excavation extent is below the applicable chloride closure criteria. Per the OCD-approved Site Characterization & Remediation Plan, chloride impacted soil was excavated to depths of 2 feet bgs and 4 feet bgs to remove chloride impacted soil exceeding the OCD Reclamation Standard (600 mg/kg) for the top 4 feet of soil and to a depth of 20 feet bgs to remove chloride impacted soil exceeding the closure criteria (20,000 mg/kg) for soil deeper than 4 feet.

Per the OCD-approved *Site Characterization and Remediation Plan*, one 5-point composite sample was collected for every 500 square feet of excavation floor and sidewall and were submitted for laboratory analysis. Due to the high closure criteria for chloride in soil deeper than 4 feet (20,000 mg/kg), the low chloride concentrations (maximum of 5,120 mg/kg [FL09@4]) observed during excavation/delineation, and the low closure criteria for chloride in soil within the top 4 feet of soil (600 mg/kg), a larger proportion of sidewall samples were collected relative to floor samples (16 sidewall samples, 12 floor samples). The estimated total area of the irregularly shaped excavation (floor and sidewall) was approximately 14,000 square feet (14,000 square feet / 500 square feet = 28 confirmation soil samples). The total volume of chloride impacted soil removed from the excavation was 2,676 cubic yards. Impacted soil was transported to R360 (Facility ID #fEEM0112340644) for offsite disposal. Waste manifests are summarized in Attachment B.

The confirmation samples were placed into laboratory-supplied 4-ounce glass jars and sealed headspace, 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.

On December 10, 2024, CDH informed the OCD that MEP has been achieved at a depth of 20 feet bgs. The sidewalls were composed of fine/unconsolidated sand which posed a significant risk to human health (collapse hazard) as heavy equipment approaching these sidewalls. CDH also reported lower than anticipated concentrations of chloride. Analytical results indicate FL06@20 (2,460 mg/kg) and FL07@20 (2,240 mg/kg) were below the closure criteria (20,000 mg/kg); therefore, it appears delineation samples identified elevated chloride within a limited area. The OCD requested CDH cease excavation upon receiving the site update (Attachment A). Therefore, the geotextile liner was installed at 20 feet bgs. Photographic documentation of the installed geotextile liner is included in Attachment C.

All final confirmation soil samples collected from the sidewalls and floor extending from the ground surface to 2 feet and 4 feet bgs were below the OCD Reclamation Standard (600 mg/kg) for the top 4 feet of soil. All final confirmation soil samples collected from the sidewalls and floor of the excavation extending from 4-20 feet bgs were below the OCD Table 2 Closure Criteria (20,000 mg/kg). Figure 4 presents confirmation soil sample locations and the final excavation extent. Laboratory analytical reports are included in Attachment D and summarized in Table 2.

The excavation was backfilled with non-waste containing, uncontaminated, earthen material in accordance with 19.15.29.13.D.(1) NMAC. Photographic documentation of the backfilled excavation is included in Attachment C.

On February 22, 2025, CDH personnel collected composite sample Backfill at the nearby Water Disposal Flowline Release (Incident #nAPP2322554757). The backfill material used at this location was sourced from the same pit as backfill material used at the Jackson B #029Y (Incident #nAPP2235556172). The composite sample aliquots were collected via hand auger from the area located off-pad/off-road. The composite backfill sample consisted of three aliquots collected from the topsoil interval (0-1-foot bgs) and two aliquots collected from the backfill material (1-4 feet bgs). The 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. On February 26, 2025, CDH received the analytical results which indicated the composite backfill 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).

As the backfill material used at the Water Disposal Flowline Release (Incident #nAPP2322554757) was sourced from the same pit as backfill material used at the Jackson B #029Y (Incident #nAPP2235556172), On February 27, 2025, CDH requested the OCD grant an extension for the Remediation Closure Report due date to allow time to further investigate the backfill material. The OCD approved the extension request on the same day (Attachment A).

On March 4, 2025, CDH personnel collected composite sample “Backfill” from within the backfill material (1-4 feet bgs) at a depth of 2.5-3.0 feet bgs. The composite 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 composite backfill sample was below the laboratory reporting limits for benzene, BTEX, and TPH and the chloride concentration (160 mg/kg) was below the Reclamation Standard (600 mg/kg). Laboratory analytical reports are included in Attachment D and summarized in Table 2.

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 assign Remediation Closure to Incident #nAPP2235556172.

Please do not hesitate to contact Michael A. Wicker at (616) 970-8459 or mwicker@cdhconsult.com if you have any questions or require additional information.

Kind Regards,

CDH CONSULTING, LLC

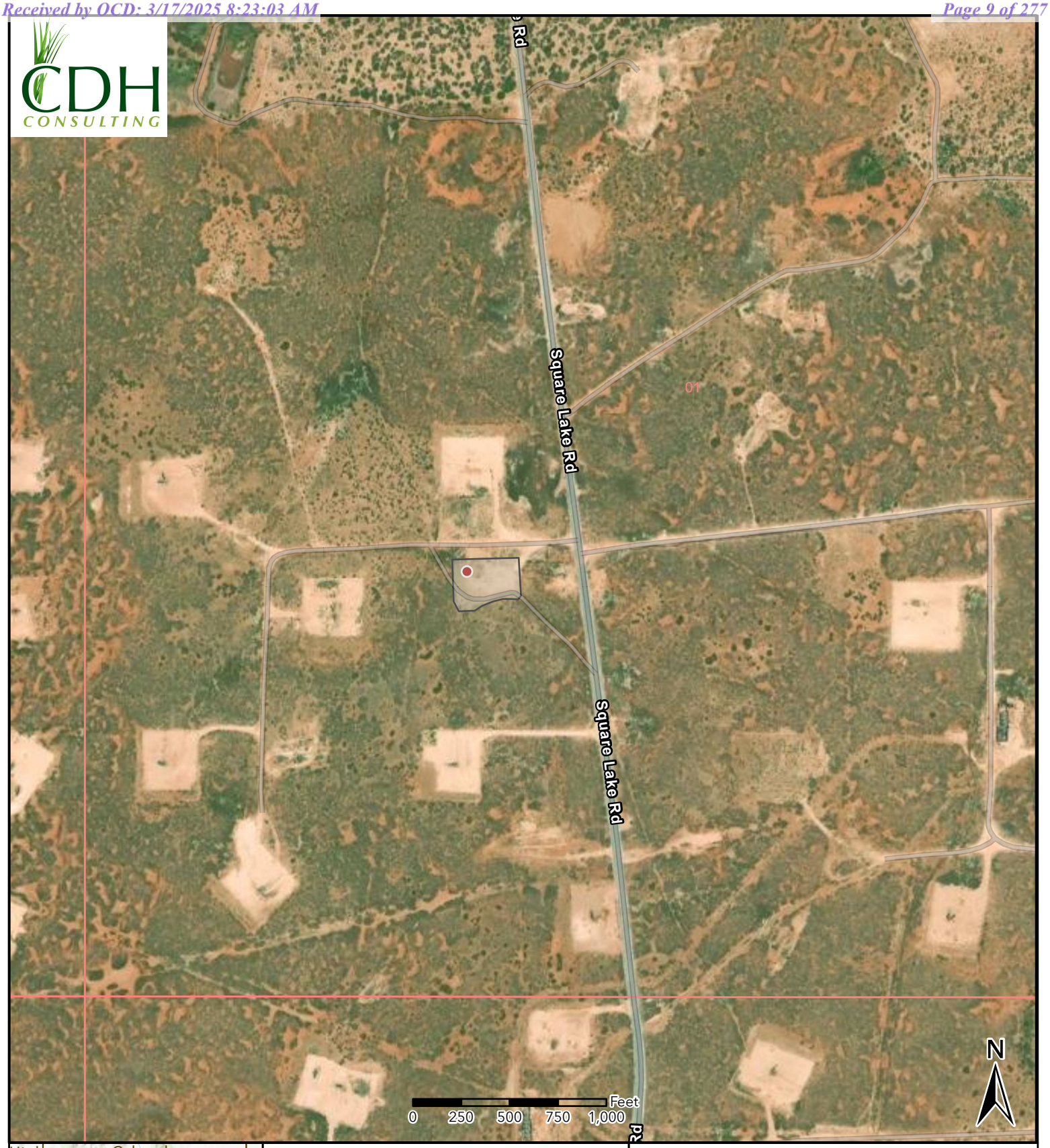
Michael A. Wicker, P.G.
Senior Geologist

Devin Girtin, P.G., PMP
Program Manager

Attachments:

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

FIGURES



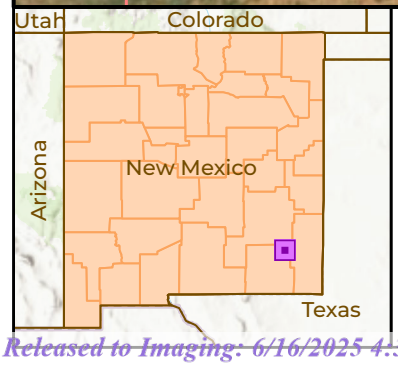
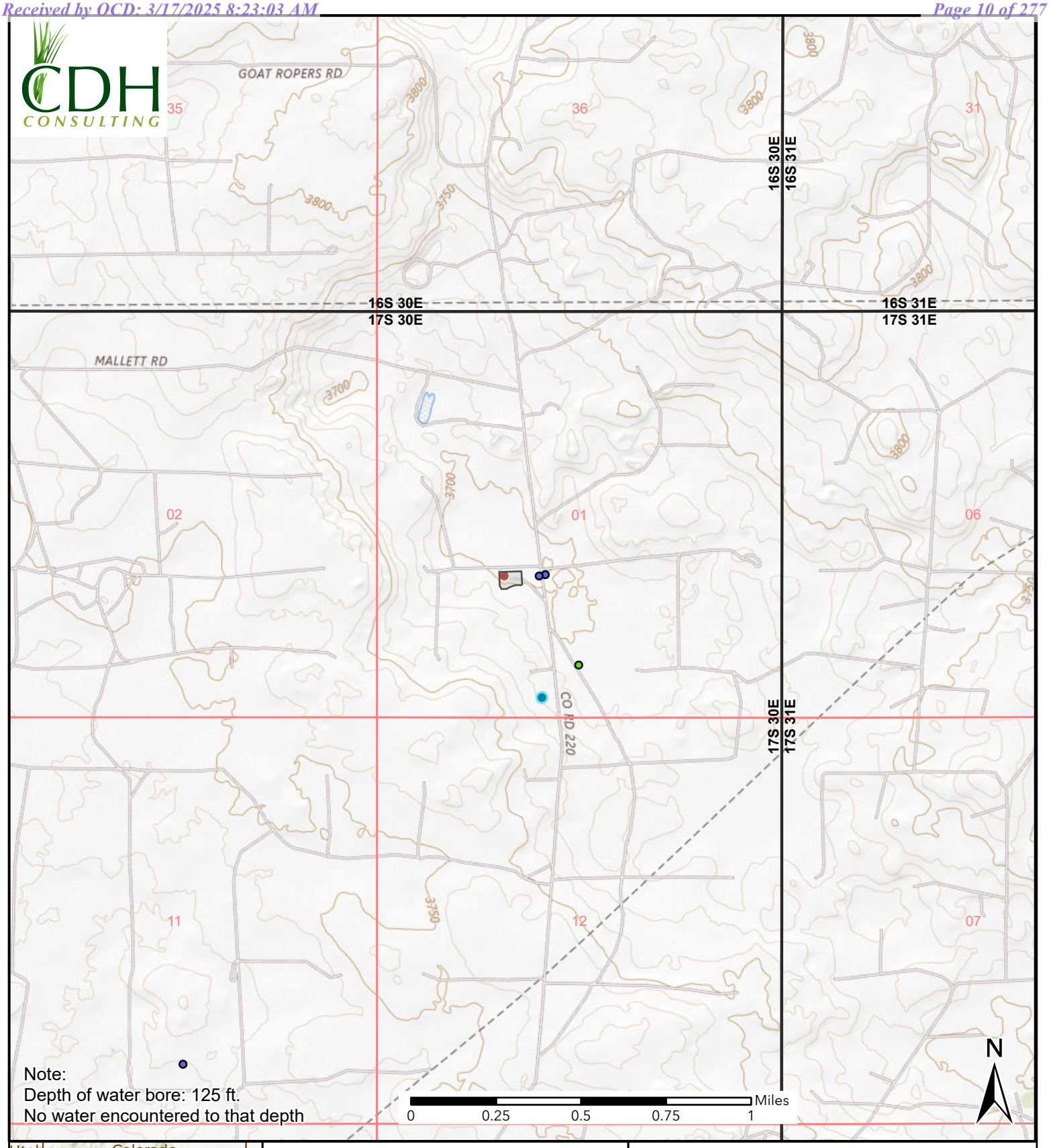


Figure 1
Point of Release
Jackson B 029Y Wellhead
NESW-SEC 01-T17S-R30E
Eddy County, New Mexico
Cypress

Legend
- Surface Hole Location
- Pad



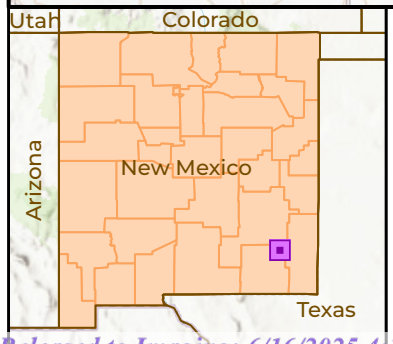


Figure 2
Topographic Map
Jackson B 029Y Wellhead

NESW-SEC 01-T17S-R30E
Eddy County, New Mexico
Cypress

Legend

- Surface Hole Location
- Water Bore
- Pad

NMOSE Water Point of Diversion

- Active
- Pending

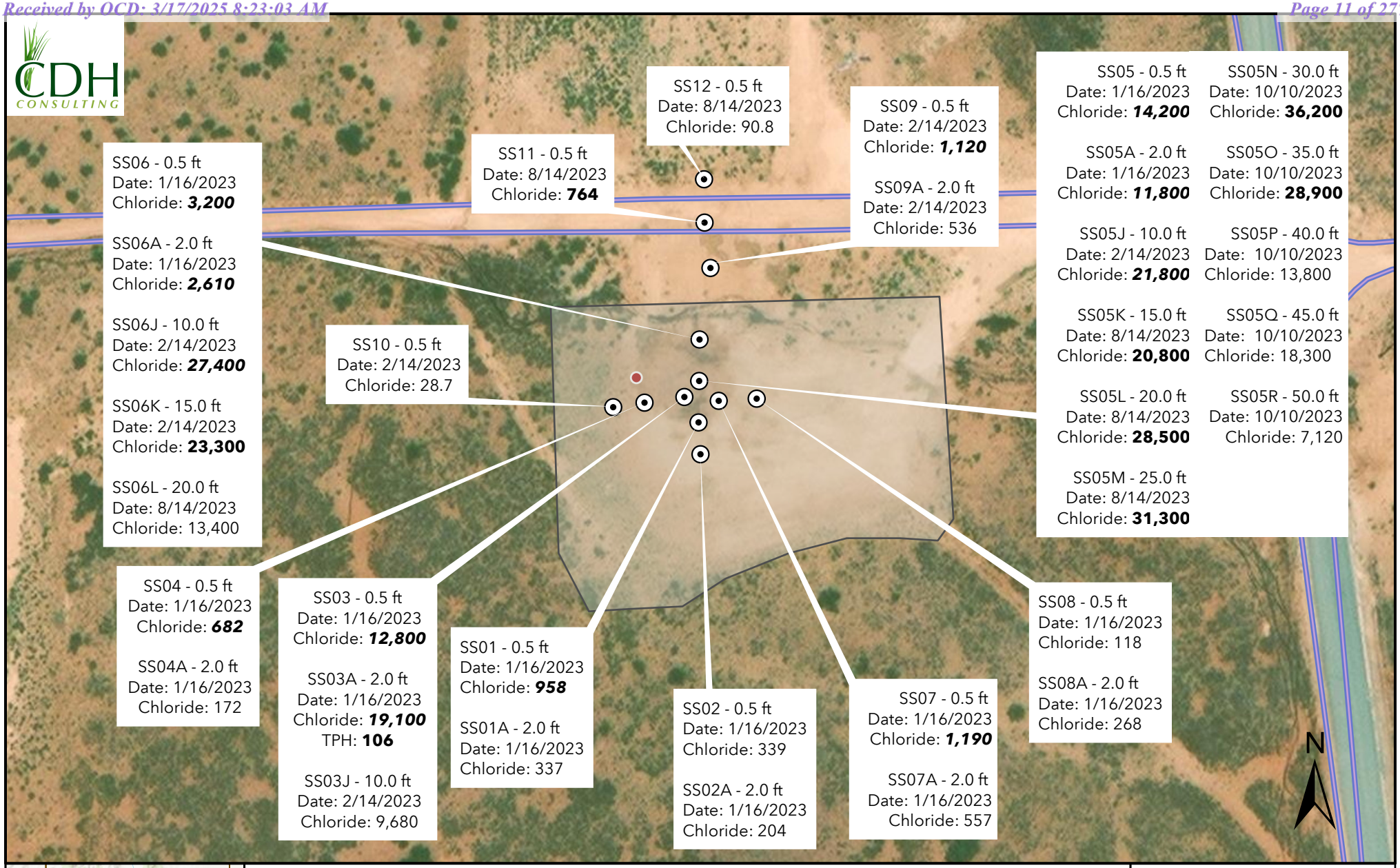


Figure 3 - Soil Sample Results

Jackson B 029Y Wellhead

Surface Hole Location
Soil Sample
Pad
Access Road

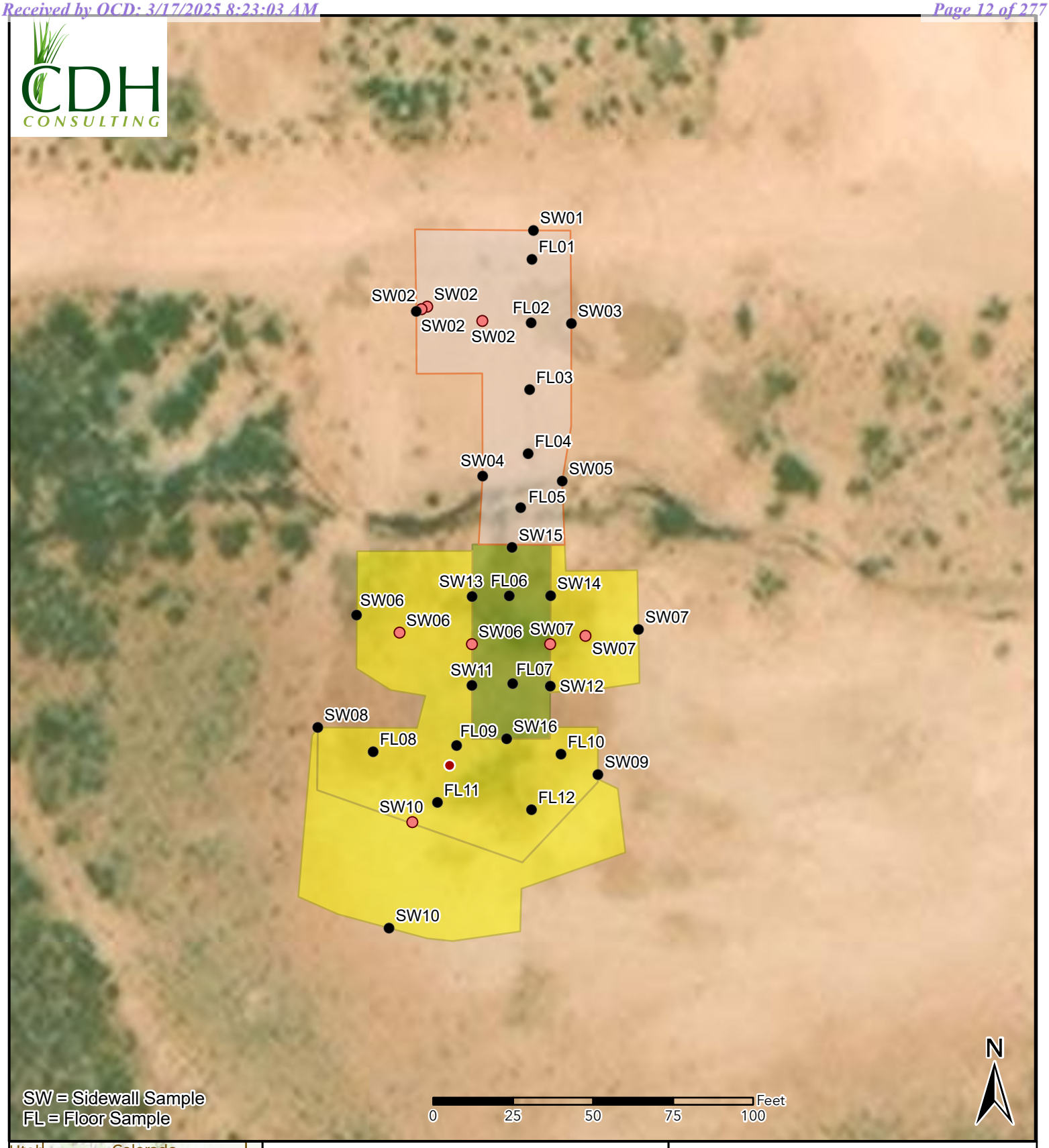
Notes:
All results reported in milligrams per kilogram (mg/kg)

Scale:
1:1,400

0 50 100 150 Feet
0 10 20 30 40 50 Meters

Site location: T17S R30E Sec 1, Eddy County, New Mexico

Map Created: 12/19/2023



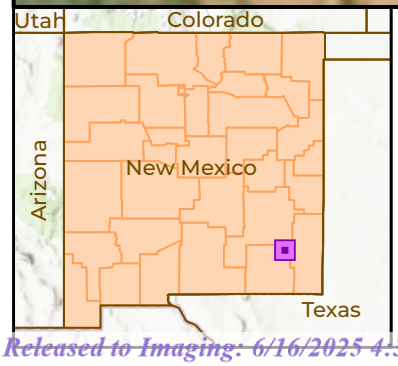


Figure 4
Remedial Excavation Extent
Jackson B 029Y Wellhead

NESW-SEC 01-T17S-R30E
Eddy County, New Mexico
Cypress

Legend
- Surface Hole Location

Soil Sample Location
- Exceed Standard and Background
- Below Standard

Excavation Depth
- 1-4 feet Excavation Extent
- 4 feet Excavation Extent
- 20 feet Excavation Extent

TABLES

TABLE 1
SOIL ANALYTICAL RESULTS JACKSON B 029Y WELLHEAD
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)	Total GRO + DRO (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
SS01	1/16/2023	0.5	**958**	<49.9	<49.9	<49.9	<49.9	<0.00401	<0.00200
SS01A	1/16/2023	2	337	<49.8	<49.8	<49.8	<49.8	<0.00339	<0.00200
SS02	1/16/2023	0.5	339	<49.9	<49.9	<49.9	<49.9	<0.00398	<0.00199
SS02A	1/16/2023	2	204	<49.8	<49.8	<49.8	<49.8	<0.00402	<0.00201
SS03	1/16/2023	0.5	**12,800**	54	<49.9	54	54	<0.00403	<0.00202
SS03A	1/16/2023	2	**19,100**	**106**	<50.0	106	106	<0.00398	<0.00199
SS03J	2/14/2023	10	9,680	<53.6	<53.6	<53.6	<53.6	<0.00217	<0.00217
SS04	1/16/2023	0.5	**682**	<50.0	<50.0	<50.0	<50.0	<0.00398	<0.00199
SS04A	1/16/2023	2	172	<50.0	<50.0	<50.0	<50.0	<0.00402	<0.00201
SS05	1/16/2023	0.5	**14,200**	<49.9	<49.9	<49.9	<49.9	<0.00404	<0.00202
SS05A	1/16/2023	2	**11,800**	<50.0	<50.0	<50.0	<50.0	<0.00398	<0.00199
SS05J	2/14/2023	10	**21,800**	94.3	<52.3	94.3	94.3	<0.00215	<0.00215
SS05K	08/14/2023	15	**20,800**	<50.0	<50.0	<50.0	<50.0	<0.00398	<0.00199
SS05L	08/14/2023	20	**28,500**	<50.3	<50.3	<50.3	<50.3	<0.00398	<0.00199
SS05M	08/14/2023	25	**31,300**	NA	NA	NA	NA	NA	NA
SS05N	10/10/2023	30	**36,200**	51.3	<49.9	51.3	51.3	<0.00398	<0.00199
SS05O	10/10/2023	35	**28,900**	<49.7	<49.7	<49.7	<49.7	<0.00399	<0.00200
SS05P	10/10/2023	40	13,800	<50.1	<50.1	<50.1	<50.1	<0.00402	<0.00201
SS05Q	10/10/2023	45	18,300	<50.5	<50.5	<50.5	<50.5	<0.00401	<0.00200
SS05R	10/10/2023	50	7,120	<50.0	<50.0	<50.0	<50.0	<0.00398	<0.00199
SS06	1/16/2023	0.5	**3,200**	<49.9	<49.9	<49.9	<49.9	<0.00339	<0.00200
SS06A	1/16/2023	2	**2,610**	<49.9	<49.9	<49.9	<49.9	<0.00398	<0.00199
SS06J	2/14/2023	10	**27,400**	<53.5	<53.5	<53.5	<53.5	<0.00221	<0.00221
SS06K	08/14/2023	15	**23,300**	<49.7	<49.7	<49.7	<49.7	<0.00400	<0.00200
SS06L	08/14/2023	20	13,400	<50.5	<50.5	<50.5	<50.5	<0.00403	<0.00202

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TABLE 1
SOIL ANALYTICAL RESULTS JACKSON B 029Y WELLHEAD
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)	Total GRO + DRO (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
SS07	1/16/2023	0.5	**1,190**	<50.0	<50.0	<50.0	<50.0	<0.00398	<0.00199
SS07A	1/16/2023	2	557	<50.0	<50.0	<50.0	<50.0	<0.00399	<0.00200
SS08	1/16/2023	0.5	118	<49.9	<49.9	<49.9	<49.9	<0.00401	<0.00200
SS08A	1/16/2023	2	268	<49.9	<49.9	<49.9	<49.9	<0.00398	<0.00199
SS09	2/14/2023	0.5	**1,120**	<52.8	<52.8	<52.8	<52.8	<0.00217	<0.00217
SS09A	2/14/2023	2	536	<50.8	<50.8	<50.8	<50.8	0.00249	<0.00209
SS10	2/14/2023	0.5	28.7	<51.9	<51.9	<51.9	<51.9	<0.00208	<0.00208
SS11	08/14/2023	0.5	**764**	<49.9	<49.9	<49.9	<49.9	<0.00398	<0.00199
SS12	08/15/2023	0.5	90.8	<50.1	<50.1	<50.1	<50.1	<0.00404	<0.00202

Notes:

1. Standards for soil are taken from 19.15.29.12(C)(4) NMAC, Table I, Depth to ground water 0-50 ft
2. Standards for soil are taken from 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.

BOLD = Result above closure criteria
NMOCD = New Mexico Oil Conservation Division
(<) = Analytical result is less than the indicated laboratory reporting limit
GRO = Total volatile petroleum hydrocarbons - gasoline range organics
DRO = Total volatile petroleum hydrocarbons - diesel range organics
MRO = Total volatile petroleum hydrocarbons - motor oil/lube range organics
BTEX = Total benzene, toluene, ethylbenzene, and total xylenes
mg/kg = Milligrams per kilogram
ft = Feet
bgs = Below ground surface
NA = Constituent not analyzed

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TABLE 2
SOIL ANALYTICAL RESULTS
JACKSON B 029Y WELLHEAD
EDDY COUNTY, NEW MEXICO
MR NM OPPERATING, LLC

Sample ID	Date Sampled	Depth (feet bgs)	Chlorides (mg/kg)	TPH[3] (mg/kg)	GRO+DRO (mg/kg)	BTEX (mg/kg)	Benzene (mg/kg)
NMOCD Table I Soil Standard (mg/kg)[1]		**0-4**	**600**	**100**	**NE**	**50**	**10**
FL02@2	12/10/2024	2.0	**666**	<50.0	<100.0	<0.00403	<0.00202
SW02	12/10/2024	0-2	**889**	<49.9	<98.9	<0.00403	<0.00202
SW03	12/10/2024	0-2	**608**	<50.0	<100.0	<0.00401	<0.00200
SW10	12/11/2024	0-4	**629**	<50.0	<100.0	<0.00403	<0.00202
SW02	12/12/2024	0-4	**1,480**	<49.8	<98.6	<0.00403	0.00202
SW02	12/17/2024	0-4	**1,310**	<50.0	<100.0	<0.00401	<0.00200
SW06	12/17/2024	0-4	**840**	**212**	**212**	<0.00399	<0.00200
SW07	12/17/2024	0-4	**3,320**	<49.8	<98.6	<0.00398	<0.00199
SW02	12/19/2024	0-4	**698**	<49.8	<49.8	<0.00398	<0.00199
FL01@1	12/10/2024	1.0	329	<50.0	<100.0	<0.00401	<0.00200
SW01	12/10/2024	0-1	405	<49.9	<98.8	<0.00398	<0.00199
FL03@1	12/11/2024	1.0	597	<49.6	<98.2	<0.00398	<0.00199
FL04@1	12/11/2024	1.0	326	<50.2	<100.4	<0.00397	<0.00198
SW04	12/11/2024	0-2	63.0	<50.4	<100.8	<0.00402	<0.00201
SW05	12/11/2024	0-2	519	<50.5	<100.1	<0.00404	<0.00202
FL05@2	12/11/2024	2.0	357	<50.0	<100.0	0.147	<0.00200
SW08	12/11/2024	0-4	556	<49.9	<98.8	<0.00398	<0.00199
SW09	12/11/2024	0-4	561	<49.8	<98.6	<0.00401	<0.00200
SW03	12/12/2024	0-4	392	<50.0	<100.0	<0.00398	<0.00199
SW10	12/13/2024	0-4	481	<49.9	<98.8	<0.00404	<0.00202
SW06	12/19/2024	0-4	399	<50.0	<50.0	<0.00202	<0.00202
SW07	12/19/2024	0-4	136	<49.7	<49.7	<0.00401	<0.00200
SW02	01/03/2025	0-4	255	<50.2	<50.2	<0.00402	<0.00201
Backfill	03/04/2025	2.5-3.0	160	<50.5	<50.5	<0.00404	<0.00202
NMOCD Table I Soil Standard (mg/kg)[2]		**>4**	**20,000**	**2,500**	**1,000**	**50**	**10**
FL06@20	12/10/2024	20	2,460	<49.9	<98.8	<0.00396	<0.00198
FL07@20	12/10/2024	20	2,240	<50.0	<100.0	<0.00399	<0.00200
SW11	12/11/2024	4-20	1,060	68.4	68.4	<0.00396	<0.00198
SW12	12/11/2024	4-20	549	<49.9	98.8	<0.00401	<0.00200
SW13	12/11/2024	4-20	790	<49.9	<98.8	<0.00401	<0.00200
SW14	12/11/2024	4-20	3,300	<49.8	<98.6	<0.00396	<0.00198
FL08@4	12/11/2024	4.0	988	70.5	70.5	0.0350	0.00326
FL09@4	12/11/2024	4.0	5,120	117	117	<0.0133	<0.00202
FL10@4	12/11/2024	4.0	4,470	<50.1	<100.2	0.00938	<0.00201
FL11@4	12/11/2024	4.0	2,150	<50.4	<100.8	0.00421	<0.00202
FL12@4	12/11/2024	4.0	4,230	<50.1	<100.2	<0.00531	<0.00200
FL02@4	12/12/2024	4.0	1,130	<50.0	<100.0	<0.00401	<0.00200
SW15	12/17/2024	4-20	4,610	<49.9	<98.8	<0.00402	<0.00201
SW16	12/17/2024	4-20	1,310	<50.0	<100.0	<0.00403	<0.00202

Notes:

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

Yellow highlight = soil represented by soil sample has been excavated and removed for offsite disposal
BOLD = Result above applicable standard
NMOCD = New Mexico Oil Conservation Divison
(<) = Analytical result is less than the indicated laboratory reporting limit
GRO = Total petroleum hydrocarbons - gasoline range organics
DRO = Total petroleum hydrocarbons - diesel range organics
MRO = Total petroleum hydrocarbons - motor oil/lube range organics
BTEX = Benzene, toluene, ethlybenzene, and total xylenes
mg/kg = Milligrams per kilogram
bgs = Below ground surface
NE = Not established

ATTACHMENT A

OCD Correspondence

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

State of New Mexico
Energy Minerals and Natural Resources Department

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

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

Incident ID	nAPP2235556172
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party	MR NM Operating LLC	OGRID	330506
Contact Name	Josh Verner	Contact Telephone	(281) 224-3430
Contact email	josh@mr-nm.com	Incident # *(assigned by OCD)*	nAPP2235556172
Contact mailing address	5950 Berkshire Lane Suite 1000 Dallas, TX 75225		

Location of Release Source

Latitude 32.8613129 Longitude -103.9286346

(NAD 83 in decimal degrees to 5 decimal places)

Site Name	Jackson B #029Y	Site Type	Plugged and Abandoned
Date Release Discovered	09/29/2022	API# *(if applicable)*	30-015-21473

Unit Letter	Section	Township	Range	County
K	01	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) 18	Volume Recovered (bbls) 0
	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

Leak was coming up the 4 ½'' x 8 5/8'' annulus through a open valve below the dry hole marker.

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2235556172
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?

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

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: Ben Barr Title: Vice President

Signature: Date: 12/22/2022

email: Ben@Cypressnr.com Telephone: (281) 224-3430

OCD Only

Received by: Date:

Michael Wicker

From: Rodgers, Scott, EMNRD <Scott.Rodgers@emnrd.nm.gov>
Sent: Thursday, February 27, 2025 1:03 PM
To: Michael Wicker
Subject: RE: [EXTERNAL] RE: The Oil Conservation Division (OCD) has approved the application, Application ID: 382397

Follow Up Flag: Follow up
Flag Status: Flagged

Good Afternoon Michael,
Your time extension request is approved. Remediation Due date has been updated to May 15, 2025 within the incident page. Ensure that the site characterization/assessment report has been completed and is provided within the final closure report.

Please keep a copy of this communication for inclusion within the appropriate reporting documentation.

The OCD requires a copy of all correspondence related to remedial activities be included in all proposals, weekly/monthly/quarterly/semi-annual/annual, or final closure reports. Correspondence reporting requirements may include, but not limited to, time extension requests, sample event notifications, and variance requests.

If you have any questions, please contact me via email at your convenience.

Thank you.

Regards,

Scott Rodgers ● Environmental Specialist – Adv.
Environmental Bureau
EMNRD - Oil Conservation Division
5200 Oakland NE, Suite B | Albuquerque, NM 87113
505.469.1830 | scott.rodgers@emnrd.nm.gov
http://www.emnrd.nm.gov/ocd

From: Michael Wicker <mwicker@cdhconsult.com>
Sent: Thursday, February 27, 2025 11:26 AM
To: Rodgers, Scott, EMNRD <Scott.Rodgers@emnrd.nm.gov>
Subject: [EXTERNAL] RE: The Oil Conservation Division (OCD) has approved the application, Application ID: 382397

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

Hi Scott,

Hope you're doing well!

As I am finalizing the Remediation Closure Report for the Jackson B #029Y (Incident #nAPP2235556172) in Loco Hills (32.8613129, -103.9286346), we received analytical results yesterday afternoon for a 5-point composite soil sample that was collected from backfill material at the Water Disposal Flowline Release (Incident #nAPP2322554757) also located in Loco Hills (32.85551, -103.95222). The backfill material used at this site was sourced from the same location as the Jackson.

In response to this new information, we are requesting an extension for the Remediation Closure Report due date to be May 15th to allow time to assess the backfill material. We'll mobilize to the site as soon as field staff have availability (within 1-2 weeks). If the backfill material is below standards, we'll update the Remediation Closure Report and submit within a week of receiving analytical results (well before May 15th). The May 15th due date would allow time to excavate the backfill material should it exceed reclamation standards.

Thank you!
Michael

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

From: Rodgers, Scott, EMNRD <Scott.Rodgers@emnrd.nm.gov>
Sent: Wednesday, December 11, 2024 8:22 AM
To: Michael Wicker <mwicker@cdhconsult.com>
Subject: RE: [EXTERNAL] RE: The Oil Conservation Division (OCD) has approved the application, Application ID: 382397

Thanks Michael

Scott Rodgers ● Environmental Specialist – Adv.
Environmental Bureau
EMNRD - Oil Conservation Division
5200 Oakland NE, Suite B | Albuquerque, NM 87113
505.469.1830 | scott.rodgers@emnrd.nm.gov
http://www.emnrd.nm.gov/ocd

From: Michael Wicker <mwicker@cdhconsult.com>
Sent: Wednesday, December 11, 2024 8:18 AM
To: Rodgers, Scott, EMNRD <Scott.Rodgers@emnrd.nm.gov>
Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Chance Scarborough <chance@cypressnr.com>; Chris Delhierro <chris@cdhconsult.com>; Dakoatah Cueto <dcueto@cdhconsult.com>
Subject: [EXTERNAL] RE: The Oil Conservation Division (OCD) has approved the application, Application ID: 382397

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

Good Morning, Scott,

Chloride impacted soil has been removed in the following areas:

- SS-11 to a depth of 1-foot
- SS09 to a depth of 2 feet
- The area beneath the former location of the poly lines will be investigated today
    - Line was moved north yesterday afternoon
- SS06 to a depth of 20 feet
- SS05 to a depth of 20 feet
- SS01, SS03, SS04, & SS07 to depth of 4 feet

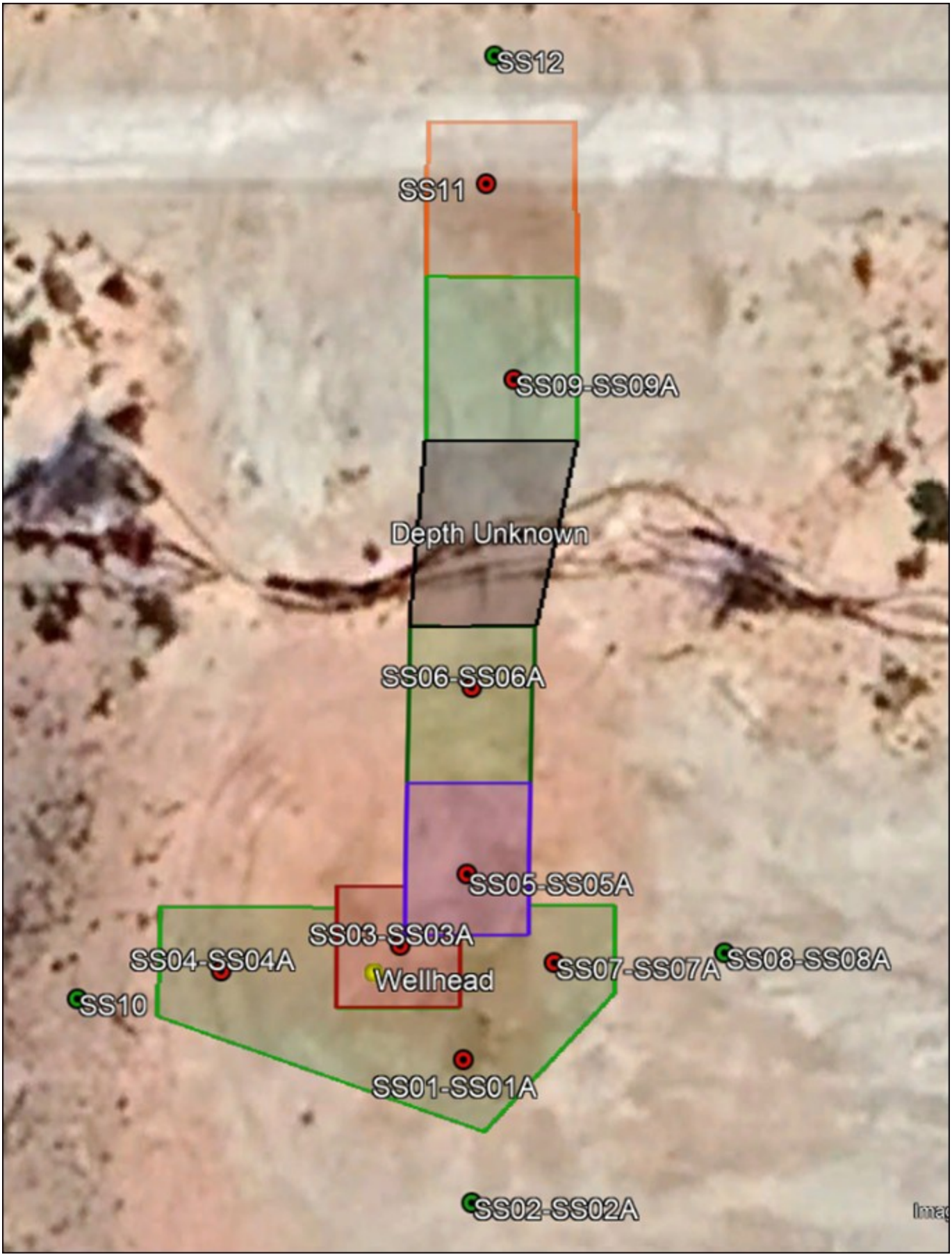
Field screening indicated:

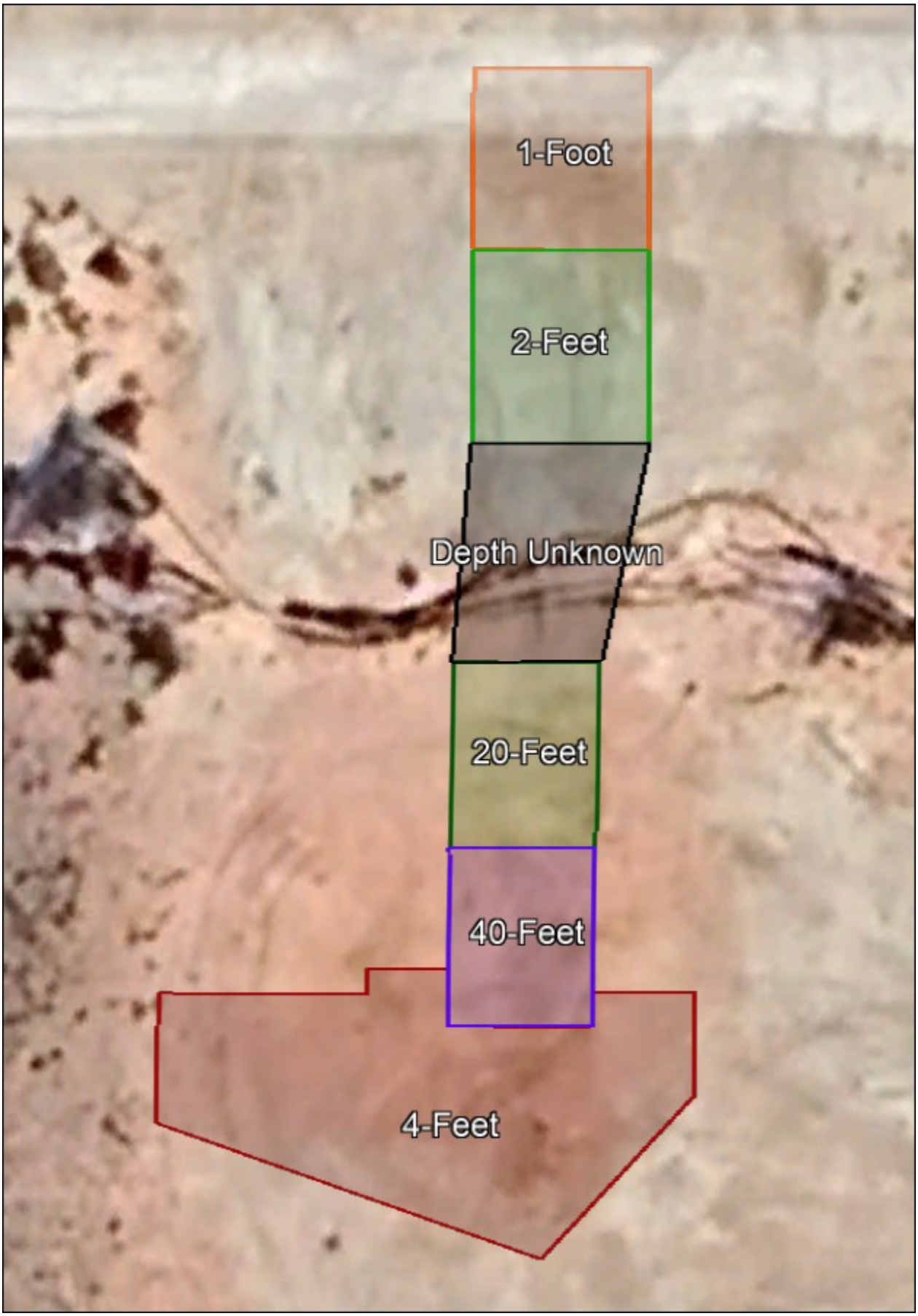
- SW01 (316 mg/kg) and SW02 (316 mg/kg) were in compliance with the OCD Reclamation standard (600 mg/kg) for the top 4 feet of soil, analytical results due back by EOD today
- FL06 (1,952 mg/kg) & FL07 (2,092 mg/kg) were well below the closure criteria of 20,000 mg/kg for soil beneath 4 feet
- SW06 (900 mg/kg) & SW07 (1,820 mg/kg) exceeded the OCD Reclamation standard (600 mg/kg) for the top 4 feet of soil
    - Attempts to extend an additional 2 feet (top 4 feet only) east and west for the areas represented by FL06 & FL07 to recollect SW06 and SW07 have resulted in sidewall collapse
    - Due to safety, SW06 & SW07 to be collected and submitted for laboratory analysis pending field screening results once the deeper portion of the excavation has been backfilled to 4 feet
- Field screening results were inconclusive for sidewall samples SW11, SW12, & SW13 due to the chloride strip clogging (large silt content)
    - SW14 indicated chloride was 2,256 mg/kg, well below the closure criteria of 20,000 mg/kg for soil beneath 4 feet
    - Sidewall samples SW11, SW12, & SW13 being field screened again this morning, will be submitted for laboratory analysis, results will be received by EOD Thursday
        - Will install a geotextile liner at 20 feet (FL06 & FL07) and backfill to 4 feet, pending confirmation soil sample analytical results for FL06@20, FL07@20, SW11, SW12, SW13, & SW14
- FL08, FL10, FL11, & FL12 exceeded at the 2-foot and 3-foot depth intervals, excavated to 4 feet, confirmation soil samples to be submitted to the lab today, analytical results due back EOD Thursday
- SW08 (280 mg/kg) were in compliance with the OCD Reclamation standard (600 mg/kg) for the top 4 feet of soil, confirmation soil sample to be submitted to the lab today, analytical results due back EOD Thursday
- SW09 & SW10 were inconclusive due to the chloride strip clogging (large silt content), will attempt to field screen again today, confirmation soil sample to be submitted to the lab today, analytical results due back EOD Thursday

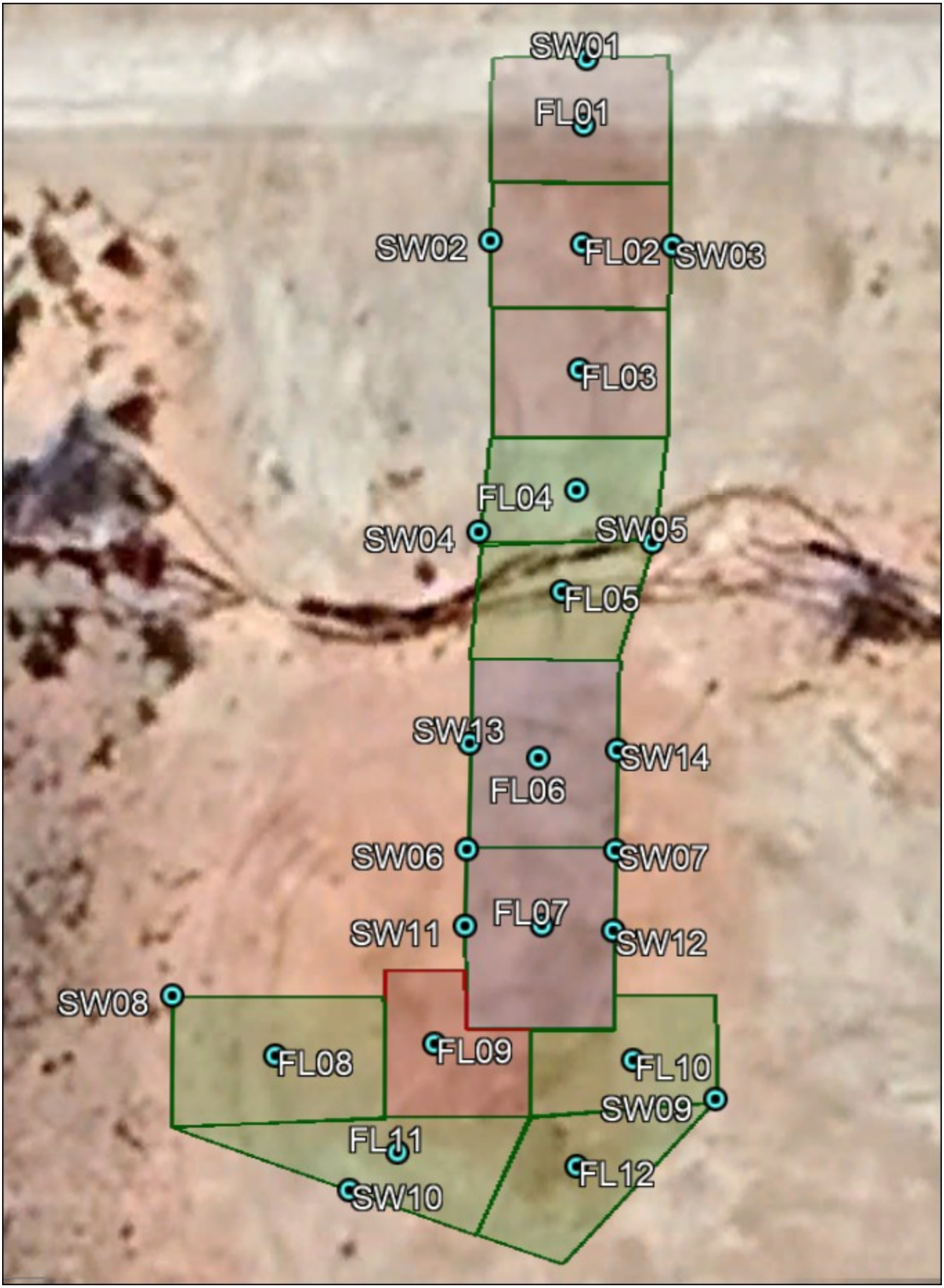
The following samples were submitted for laboratory analysis of TPH, BTEX, and Chlorides yesterday, analytical results due by EOD today:

- FL01@1'
- FL02@2'
- SW01
- SW02
- SW03

- FL06@20'
- FL07@20'


SS12
SS11
SS09-SS09A
Depth Unknown
SS06-SS06A
SS05-SS05A
SS03-SS03A
SS04-SS04A
Wellhead
SS07-SS07A
SS08-SS08A
SS10
SS01-SS01A
SS02-SS02A


1-Foot
2-Feet
Depth Unknown
20-Feet
40-Feet
4-Feet


SW01
FL01
SW02
FL02
SW03
FL03
FL04
SW04
SW05
FL05
SW13
SW14
FL06
SW06
SW07
FL07
SW11
SW12
SW08
FL08
FL09
FL10
SW09
FL11
FL12
SW10

Note:

- SW02 represents the top 1-2 feet of the western sidewall for the area represented by FL01, FL02, & FL03
- SW03 represents the top 1-2 feet of the eastern sidewall for the area represented by FL01, FL02, & FL03
- SW08 represents the top 1-2 feet of the eastern sidewall for the area represented by FL01, FL02, & FL03
- SW06 represents the top 4 feet of the western sidewall for the area represented by FL06 & FL07
- SW07 represents the top 4 feet of the eastern sidwall for the area represented by FL06 & FL07
- SW11 represent the sidewall from 4-20 feet for the western sidewall of the area represented by FL07
- SW12 represent the sidewall from 4-20 feet for the eastern sidewall of the area represented by FL07
- SW13 represent the sidewall from 4-20 feet for the western sidewall of the area represented by FL06
- SW14 represent the sidewall from 4-20 feet for the eastern sidewall of the area represented by FL06

Thank you,
Michael

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

From: Rodgers, Scott, EMNRD <Scott.Rodgers@emnrd.nm.gov>
Sent: Tuesday, December 10, 2024 3:38 PM
To: Michael Wicker <mwicker@cdhconsult.com>
Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Subject: RE: [EXTERNAL] RE: The Oil Conservation Division (OCD) has approved the application, Application ID: 382397

Good afternoon Michael,

Please cease excavation. When you find a moment, send a brief report on what has been done and where we stand with the project currently. We will get back with you to make a plan going forward.

Thanks for keeping us updated with this project,
Scott

Scott Rodgers ● Environmental Specialist – Adv.
Environmental Bureau
EMNRD - Oil Conservation Division
5200 Oakland NE, Suite B | Albuquerque, NM 87113
505.469.1830 | scott.rodgers@emnrd.nm.gov
http://www.emnrd.nm.gov/ocd

From: Michael Wicker <mwicker@cdhconsult.com>
Sent: Tuesday, December 10, 2024 1:39 PM

To: Rodgers, Scott, EMNRD <Scott.Rodgers@emnrd.nm.gov>
Subject: [EXTERNAL] RE: The Oil Conservation Division (OCD) has approved the application, Application ID: 382397

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Hi Scott,

Right after I hit send on the email below, I got a call from Dakoatah (CDH field personnel) informing me the east wall collapsed. Luckily everyone is ok. It occurred while collecting sidewall samples from the west side of the excavation.

Thank you,
Michael

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

From: Michael Wicker
Sent: Tuesday, December 10, 2024 1:13 PM
To: Rodgers, Scott, EMNRD <Scott.Rodgers@emnrd.nm.gov>
Subject: RE: The Oil Conservation Division (OCD) has approved the application, Application ID: 382397

Good Afternoon, Scott,

We have reached 20 feet bgs at the Jackson B #029Y. As the sidewalls are composed of fine sand, we are concerned that heavy equipment approaching these sidewalls is a collapse hazard which poses a significant risk to human health. Field screening indicates FL06@20 (1,952 mg/kg) and FL07@20 (2,092 mg/kg) are well below the closure criteria (20,000 mg/kg). Field screening for composite soil sampling indicates compliance with Table I; therefore, it appears delineation samples identified elevated chloride with a limited aerial extent.

Due to the risk to human health and the fact risk to groundwater and the environment appears to be low due to low chloride concentrations, CDH requests the OCD approve of the determination that chloride impacted soil has been removed to the maximum extent practicable and request the OCD approve of the installation of a geotextile liner at 20 feet bgs to protect groundwater from elevated chloride below 20 feet bgs as these impacts appear to effect a limited aerial extent, pending laboratory confirmation of low chloride concentrations in confirmation soil samples FL06@20 and FL07@20 (as indicated by field screening).

Thank you,
Michael

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

From: Rodgers, Scott, EMNRD <Scott.Rodgers@emnrd.nm.gov>
Sent: Friday, October 11, 2024 1:53 PM
To: Michael Wicker <mwicker@cdhconsult.com>
Subject: RE: [EXTERNAL] RE: The Oil Conservation Division (OCD) has approved the application, Application ID: 382397

Afternoon Michael,

Your time extension request is approved. Remediation Due date has been updated to February 28, 2025 within the incident page. Ensure that the site characterization/assessment report has been completed and is provided within the final closure report.

Please keep a copy of this communication for inclusion within the appropriate reporting documentation.

The OCD requires a copy of all correspondence related to remedial activities be included in all proposals, weekly/monthly/quarterly/semi-annual/annual, or final closure reports. Correspondence reporting requirements may include, but not limited to, time extension requests, sample event notifications, and variance requests.

If you have any questions, please contact me via email at your convenience.

Thank you.

Regards,

Scott Rodgers ● Environmental Specialist – Adv.
Environmental Bureau
EMNRD - Oil Conservation Division
8801 Horizon Blvd. NE, Suite 260 | Albuquerque, NM 87113
505.469.1830 | scott.rodgers@emnrd.nm.gov
http://www.emnrd.nm.gov/ocd

From: Michael Wicker <mwicker@cdhconsult.com>
Sent: Friday, October 11, 2024 11:40 AM
To: Rodgers, Scott, EMNRD <Scott.Rodgers@emnrd.nm.gov>
Subject: [EXTERNAL] RE: The Oil Conservation Division (OCD) has approved the application, Application ID: 382397

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Hi Scott,

Thank you for your quick response and approval. Can we also request additional time to submit the final closure report since the closure report is currently due two weeks after commencement of remediation? While we anticipate submittal prior to, we request the closure report deadline be February 28th. We should be able to turn the closure report around pretty quickly once the excavation is complete and all analytical results are received.

Thank you!
Michael

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

From: Rodgers, Scott, EMNRD <Scott.Rodgers@emnrd.nm.gov>
Sent: Friday, October 11, 2024 11:34 AM
To: Michael Wicker <mwicker@cdhconsult.com>
Subject: RE: [EXTERNAL] RE: The Oil Conservation Division (OCD) has approved the application, Application ID: 382397

Hey Michael,

The request to amend the start of the remediation to December 15, 2024 is approved.

Per 19.15.29.12E (1) NMAC, The responsible party must submit closure report along with form C-141 to the division within 90 days of the remediation plan approval. The responsible party may apply for additional time to submit the final closure report upon a showing of good cause as determined by the division.

It looks like the remediation plan was approved on 10/2/2024. The closure report due date is at 12/31/2024.

Thanks,
Scott

Scott Rodgers ● Environmental Specialist – Adv.
Environmental Bureau
EMNRD - Oil Conservation Division
8801 Horizon Blvd. NE, Suite 260 | Albuquerque, NM 87113
505.469.1830 | scott.rodgers@emnrd.nm.gov
http://www.emnrd.nm.gov/ocd

From: Michael Wicker <mwicker@cdhconsult.com>
Sent: Friday, October 11, 2024 9:59 AM
To: Rodgers, Scott, EMNRD <Scott.Rodgers@emnrd.nm.gov>
Subject: [EXTERNAL] RE: The Oil Conservation Division (OCD) has approved the application, Application ID: 382397

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Hi Scott,

The OCD-approved Remediation Plan specified a remediation start date of November 15th; however, in an effort to complete two projects efficiently, we are hoping to address the Westall Water Disposal Flowline Release (Incident #nAPP2322554757) immediately after completion of the Jackson B #029Y since the site is located just 1.5 miles away. The Remediation Workplan for the Westall Water Disposal Flowline Release was submitted via C-141 on October 4th. Would we be able to postpone the remediation start date for the Jackson B #029Y until December 15th?

Thank you!
Michael

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

From: Rodgers, Scott, EMNRD <Scott.Rodgers@emnrd.nm.gov>
Sent: Monday, October 7, 2024 3:43 PM
To: Michael Wicker <mwicker@cdhconsult.com>
Subject: RE: [EXTERNAL] RE: The Oil Conservation Division (OCD) has approved the application, Application ID: 382397

Hey Michael,
You are correct in your interpretation. Horizontal delineation must meet the requirements of the reclamation standards 19.15.29.13 NMAC (600 mg/kg Cl, 100 mg/kg TPH, 50 mg/kg BTEX, 10 mg/kg benzene) or OCD approved "background" values for the upper 4 feet of the impacted area to define the edges of the release. Soil standards below 4 feet must be delineated/remediated to Table I Closure Criteria for the approved site-specific depth to groundwater.

Thanks Michael,
Scott

Scott Rodgers ● Environmental Specialist – Adv.
Environmental Bureau
EMNRD - Oil Conservation Division
8801 Horizon Blvd. NE, Suite 260 | Albuquerque, NM 87113
505.469.1830 | scott.rodgers@emnrd.nm.gov
http://www.emnrd.nm.gov/ocd

From: Michael Wicker <mwicker@cdhconsult.com>
Sent: Monday, October 7, 2024 9:47 AM
To: Rodgers, Scott, EMNRD <Scott.Rodgers@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: 382397

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

Hi Scott,

We just wanted to confirm that when you stated, "Sidewall samples should be delineated/excavated to 600 mg/kg for chlorides and 100 mg/kg for TPH to define the edge of the release" that you meant for the top 4 feet of soil to ensure sidewalls are in compliance with the reclamation standard per 19.15.29.13.D.(1) NMAC. And that sidewall samples below 4 feet bgs will be delineated/excavated to 20,000 mg/kg for chlorides and 2,500 mg/kg for TPH per 19.15.29.12.D NMAC as depth to water has been determined to be greater than 100 feet bgs.

Thank you!
Michael

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

From: OCDOnline@state.nm.us <OCDOnline@state.nm.us>
Sent: Wednesday, October 2, 2024 9:58 AM
To: Michael Wicker <mwicker@cdhconsult.com>
Subject: The Oil Conservation Division (OCD) has approved the application, Application ID: 382397

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#) nAPP2235556172,
with the following conditions:

- **The Remediation Plan is Conditionally Approved. All samples must be analyzed for all constituents listed in Table I of 19.15.29.12 NMAC. Floor confirmation samples should be delineated/excavated to meet closure criteria standards for site assessment/characterization/proven depth to water determination. Sidewall samples should be delineated/excavated to 600 mg/kg for chlorides and 100 mg/kg for TPH to define the edge of the release. The variance request to collect samples every 500 ft2 is approved. In the event that CDH is unable to get to 40', please notify OCD before proceeding further.**

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,
Scott Rodgers
Environmental Specialist - A
505-469-1830
scott.rodgers@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	45649	HW-672722	700-1665501	C293398	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45645	HW-722396	700-1664067	C293398	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45645	HW-722397	700-1663997	C293398	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45645	HW-724374	700-1663985	C293398	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45645	HW-721134	700-1663983	C293398	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	DJJ TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45645	HW-721549	700-1663979	C293398	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	2S TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45645	HW-721514	700-1663978	C293398	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45645	HW-721552	700-1663975	C293398	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	2S TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45645	HW-723054	700-1663964	C293398	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45645	HW-720635	700-1663903	C293398	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45645	HW-724375	700-1663856	C293398	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45645	HW-721703	700-1663849	C293398	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45645	HW-721951	700-1663823	C293398	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45642	HW-723036	700-1662745	C293398	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	2S TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45642	HW-723530	700-1662742	C293398	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	2S TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45642	HW-723531	700-1662741	C293398	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	2S TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45642	HW-723532	700-1662738	C293398	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	2S TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45642	HW-721914	700-1662734	C293398	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	2S TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	12	NON-DRILLING
CRI	45642	HW-723037	700-1662187	C293398	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	2S TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45642	HW-723038	700-1662184	C293398	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	2S TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45642	HW-724373	700-1662170	C293398	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45642	HW-721710	700-1662169	C293398	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45642	HW-721916	700-1662153	C293398	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	2S TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	12	NON-DRILLING
CRI	45642	HW-721950	700-1662138	C293398	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45642	HW-721457	700-1662136	C293398	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45642	HW-723016	700-1662135	C293398	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45642	HW-721917	700-1662060	C293398	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	2S TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	12	NON-DRILLING
CRI	45642	HW-721515	700-1662044	C293398	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45642	HW-724372	700-1662043	C293398	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45642	HW-723019	700-1662037	C293398	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45642	HW-721456	700-1662038	C293398	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	12	NON-DRILLING
CRI	45642	HW-721949	700-1662032	C293398	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45642	HW-724371	700-1661976	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45642	HW-721702	700-1661974	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45642	HW-722825	700-1661971	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45642	HW-721455	700-1661970	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45642	HW-716575	700-1661969	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45639	HW-721704	700-1661102	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45639	HW-722824	700-1661095	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45639	HW-724022	700-1661093	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45639	HW-721913	700-1661091	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	2S TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	12	NON-DRILLING
CRI	45639	HW-722139	700-1661083	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	LAND START LLC	Contaminated Soil (RCRA Exempt)	yards	12	NON-DRILLING
CRI	45639	HW-721948	700-1661082	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45639	HW-721999	700-1661034	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45639	HW-722210	700-1661002	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	2S TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	12	NON-DRILLING
CRI	45639	HW-722264	700-1661000	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45639	HW-722245	700-1660998	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45639	HW-722140	700-1660996	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	LAND START LLC	Contaminated Soil (RCRA Exempt)	yards	12	NON-DRILLING
CRI	45639	HW-721947	700-1660995	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45639	HW-724405	700-1660909	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45639	HW-722266	700-1660906	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45639	HW-721912	700-1660902	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	2S TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	12	NON-DRILLING
CRI	45639	HW-721998	700-1660898	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45639	HW-721946	700-1660883	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45639	HW-722138	700-1660881	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	LAND START LLC	Contaminated Soil (RCRA Exempt)	yards	12	NON-DRILLING
CRI	45639	HW-724018	700-1660821	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45639	HW-722209	700-1660820	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	2S TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	12	NON-DRILLING
CRI	45639	HW-722265	700-1660818	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45639	HW-722244	700-1660813	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45639	HW-722137	700-1660811	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	LAND START LLC	Contaminated Soil (RCRA Exempt)	yards	12	NON-DRILLING
CRI	45639	HW-722213	700-1660809	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45638	HW-722214	700-1660585	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45638	HW-722252	700-1660584	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	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	45638	HW-724404	700-1660577	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45638	HW-722215	700-1660576	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45638	HW-724019	700-1660574	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45638	HW-722136	700-1660571	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	LAND START LLC	Contaminated Soil (RCRA Exempt)	yards	12	NON-DRILLING
CRI	45638	HW-724370	700-1660549	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45638	HW-722253	700-1660487	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	2S TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	12	NON-DRILLING
CRI	45638	HW-724017	700-1660484	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45638	HW-722212	700-1660473	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45638	HW-722052	700-1660472	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	LAND START LLC	Contaminated Soil (RCRA Exempt)	yards	12	NON-DRILLING
CRI	45638	HW-722216	700-1660470	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45638	HW-722246	700-1660468	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45638	HW-722254	700-1660402	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	2S TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	12	NON-DRILLING
CRI	45638	HW-722051	700-1660383	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	LAND START LLC	Contaminated Soil (RCRA Exempt)	yards	12	NON-DRILLING
CRI	45638	HW-722211	700-1660373	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45638	HW-724016	700-1660371	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45638	HW-724021	700-1660372	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45638	HW-722217	700-1660370	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45638	HW-724368	700-1660359	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45638	HW-722050	700-1660297	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	LAND START LLC	Contaminated Soil (RCRA Exempt)	yards	12	NON-DRILLING
CRI	45638	HW-722055	700-1660289	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45638	HW-724440	700-1660287	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45638	HW-721253	700-1660285	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45638	HW-721406	700-1660283	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45637	HW-724173	700-1660226	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	LAND START LLC	Contaminated Soil (RCRA Exempt)	yards	12	NON-DRILLING
CRI	45637	HW-722044	700-1660220	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45637	HW-724320	700-1660214	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45637	HW-724441	700-1660052	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45637	HW-722054	700-1660050	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45637	HW-721254	700-1660024	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45637	HW-724147	700-1659996	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	2S TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	12	NON-DRILLING
CRI	45637	HW-724169	700-1659935	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45637	HW-722045	700-1659928	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45637	HW-724027	700-1659927	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45637	HW-724023	700-1659926	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45637	HW-724171	700-1659924	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	LAND START LLC	Contaminated Soil (RCRA Exempt)	yards	12	NON-DRILLING
CRI	45637	HW-724015	700-1659906	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45637	HW-724148	700-1659828	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	2S TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	12	NON-DRILLING
CRI	45637	HW-724026	700-1659824	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45637	HW-722053	700-1659823	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45637	HW-722046	700-1659822	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45637	HW-724172	700-1659820	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	LAND START LLC	Contaminated Soil (RCRA Exempt)	yards	12	NON-DRILLING
CRI	45637	HW-724025	700-1659821	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45637	HW-724014	700-1659817	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45637	HW-724149	700-1659701	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	2S TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	12	NON-DRILLING
CRI	45637	HW-724020	700-1659685	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45637	HW-724170	700-1659682	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	LAND START LLC	Contaminated Soil (RCRA Exempt)	yards	12	NON-DRILLING
CRI	45637	HW-724168	700-1659678	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45637	HW-724024	700-1659675	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45637	HW-721405	700-1659674	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45637	HW-721252	700-1659669	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45636	HW-724146	700-1659387	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	2S TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	12	NON-DRILLING
CRI	45636	HW-721256	700-1659386	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45636	HW-722807	700-1659385	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45636	1319-4	700-1659377	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	LAND START LLC	Contaminated Soil (RCRA Exempt)	yards	12	NON-DRILLING
CRI	45636	HW-722676	700-1659376	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45636	HW-724167	700-1659339	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45636	HW-722746	700-1659336	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45636	HW-722784	700-1659257	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45636	HW-721255	700-1659256	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	2S TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	12	NON-DRILLING
CRI	45636	HW-722783	700-1659253	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45636	1319-3	700-1659250	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	LAND START LLC	Contaminated Soil (RCRA Exempt)	yards	12	NON-DRILLING
CRI	45636	HW-722675	700-1659249	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45636	HW-721408	700-1659242	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	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	45636	HW-722757	700-1659239	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45636	HW-722782	700-1659161	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45636	HW-721407	700-1659156	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45636	HW-721404	700-1659155	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45636	1319-2	700-1659154	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	LAND START LLC	Contaminated Soil (RCRA Exempt)	yards	12	NON-DRILLING
CRI	45636	HW-722747	700-1659077	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45636	HW-722674	700-1659074	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45636	HW-722716	700-1659072	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	12	NON-DRILLING
CRI	45636	1319	700-1659073	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	BDS ENTERPRISES LLC	Contaminated Soil (RCRA Exempt)	yards	12	NON-DRILLING
CRI	45635	HW-722677	700-1658837	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45635	HW-722756	700-1658836	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45635	HW-722748	700-1658835	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45635	HW-722715	700-1658832	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45635	HW-722744	700-1658759	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45635	HW-722745	700-1658758	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45635	HW-722717	700-1658754	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45635	HW-722673	700-1658753	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45635	HW-722606	700-1658652	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45635	HW-722605	700-1658651	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45635	HW-722604	700-1658650	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45635	HW-722603	700-1658649	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
													2,676	

ATTACHMENT C

Photographic Log

Photographic Log
MR NM Operating, LLC
Jackson B #029Y
December 17, 2024

Photo 1: Excavation overview, facing west of southern portion of the excavation

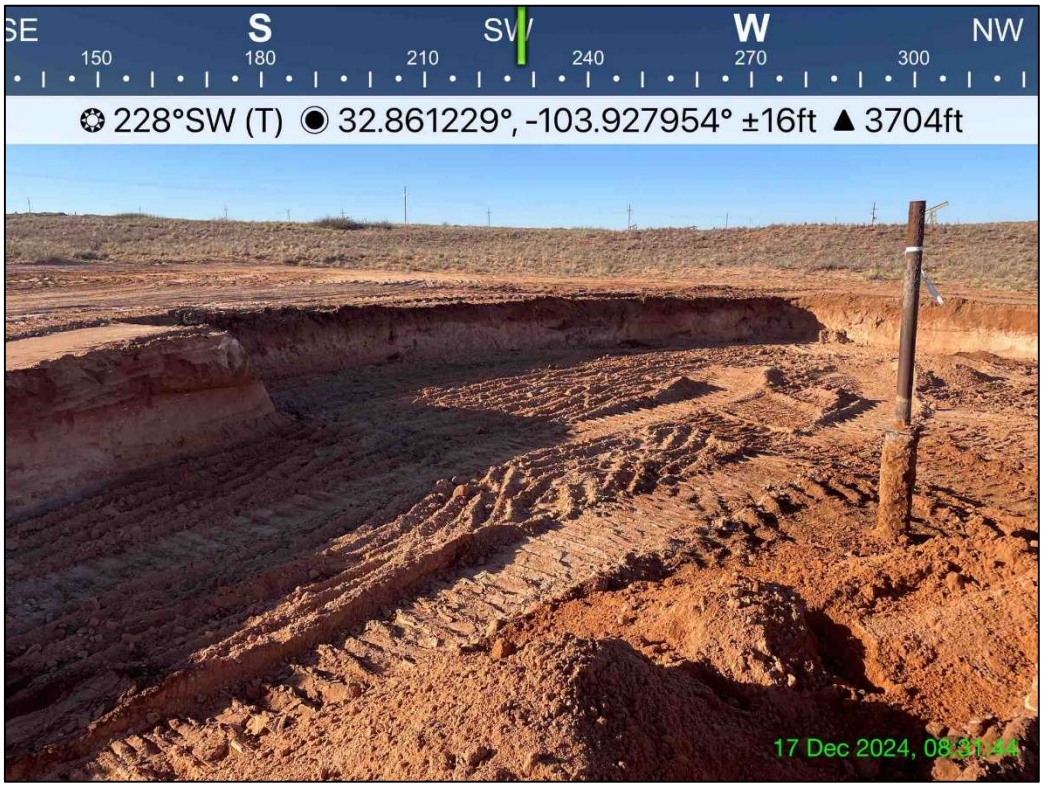

Photo 2: Excavation overview, facing southwest of southern portion of the excavation

Photographic Log
MR NM Operating, LLC
Jackson B #029Y
December 17, 2024

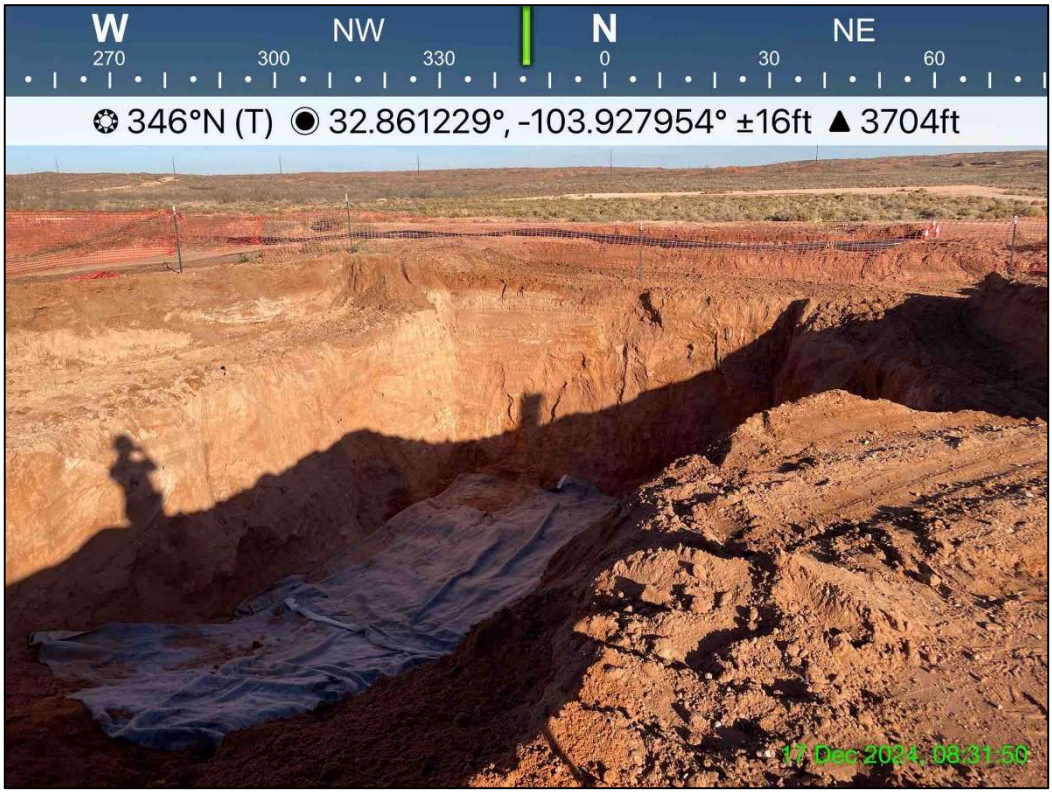

Photo 3: Excavation overview, facing north-northwest of the geotextile liner placement

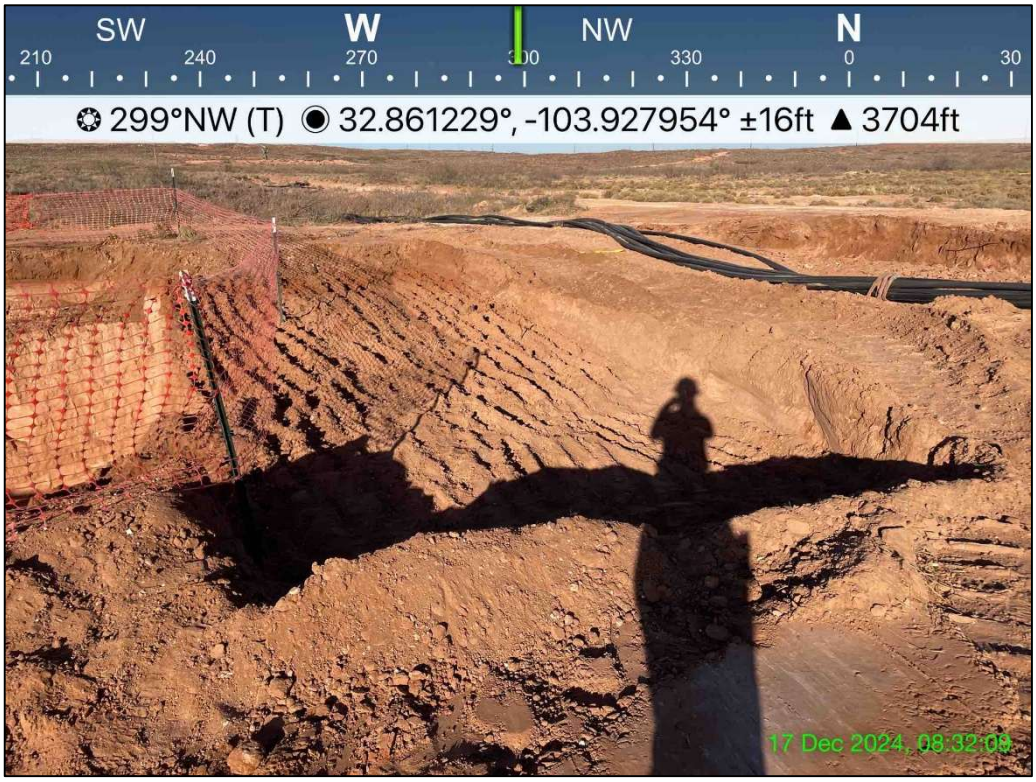

Photo 4: Excavation overview, facing west-northwest of FL05@2

Photographic Log
MR NM Operating, LLC
Jackson B #029Y
December 17, 2024

Photo 5: Excavation overview, facing northwest of FL02@4 and SW02

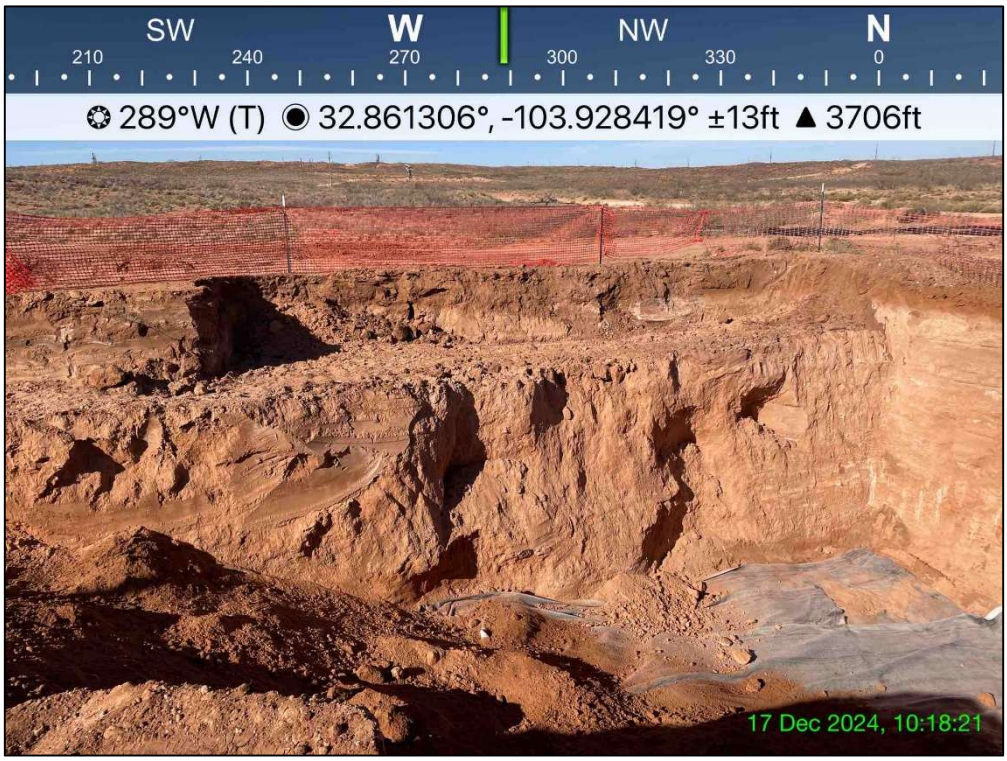

Photo 6: Excavation overview, facing west-northwest of FL06@20, SW06, SW11, and SW13

Photographic Log
MR NM Operating, LLC
Jackson B #029Y
December 17, 2024

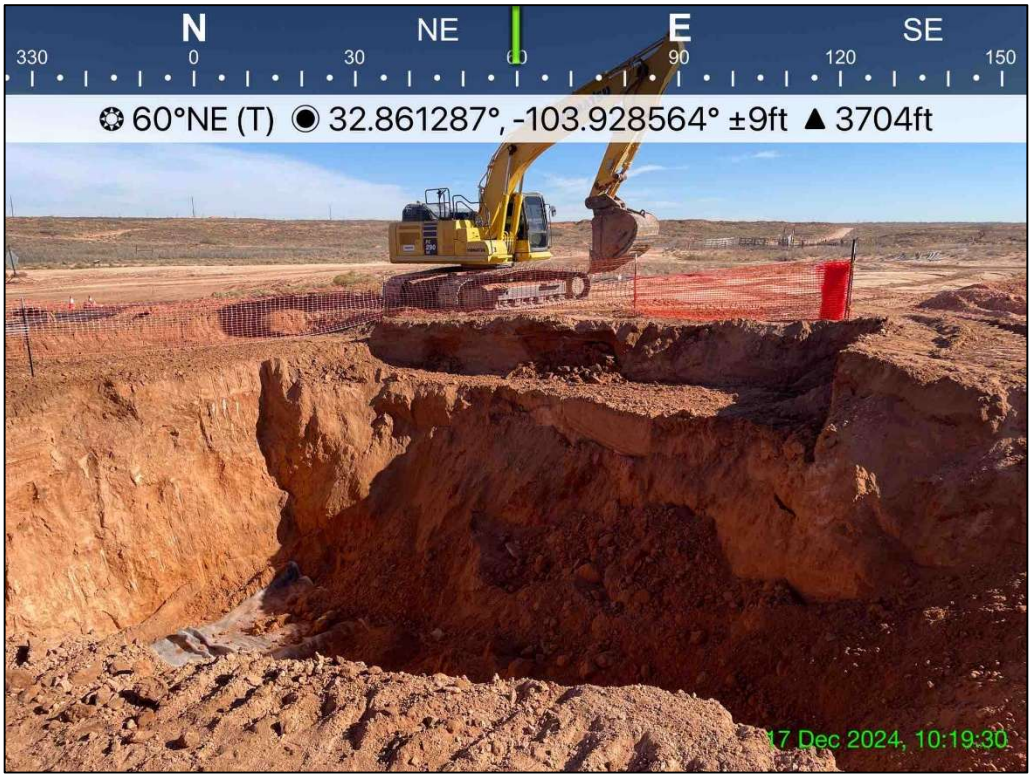

Photo 7: Excavation overview, facing east of FL06@20, SW07, SW12, and SW14

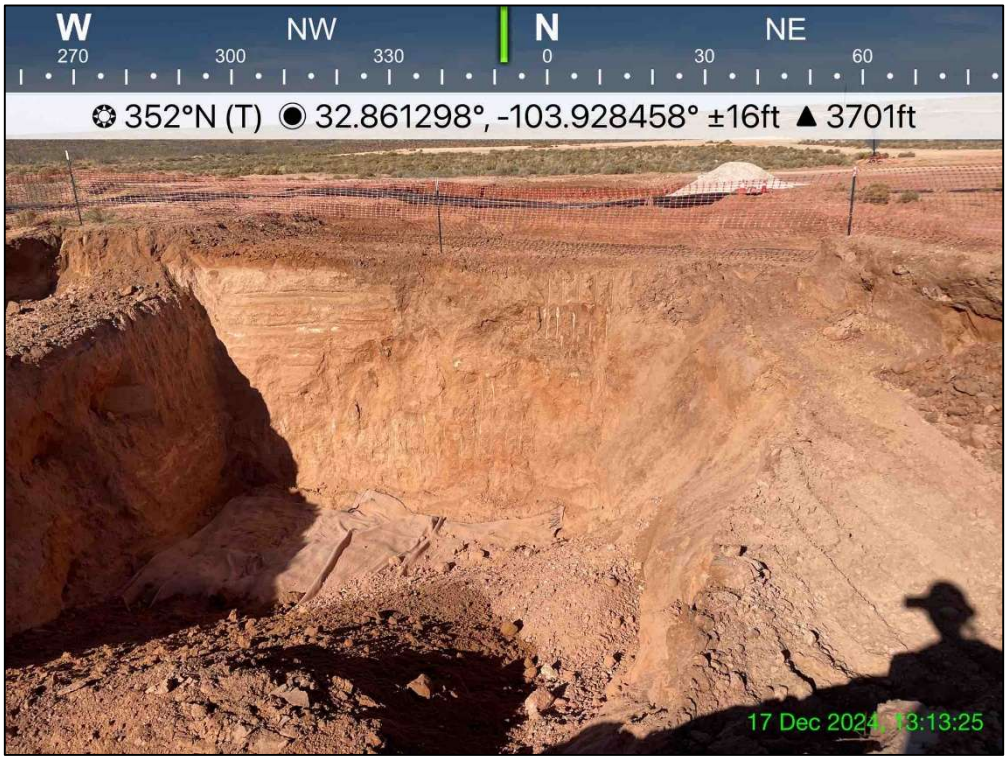

Photo 8: Excavation overview, facing west-north FL06@20 and SW15

Photographic Log
MR NM Operating, LLC
Jackson B #029Y
December 17, 2024

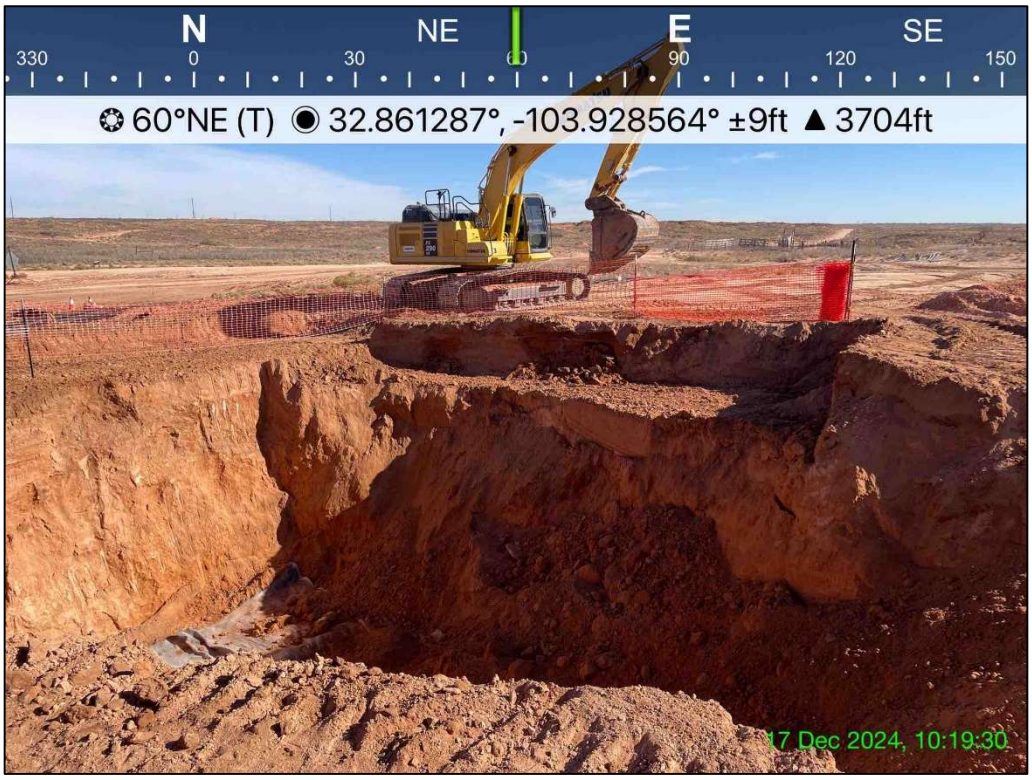

Photo 9: Excavation overview, facing east of FL06@20, SW07, SW12, and SW14

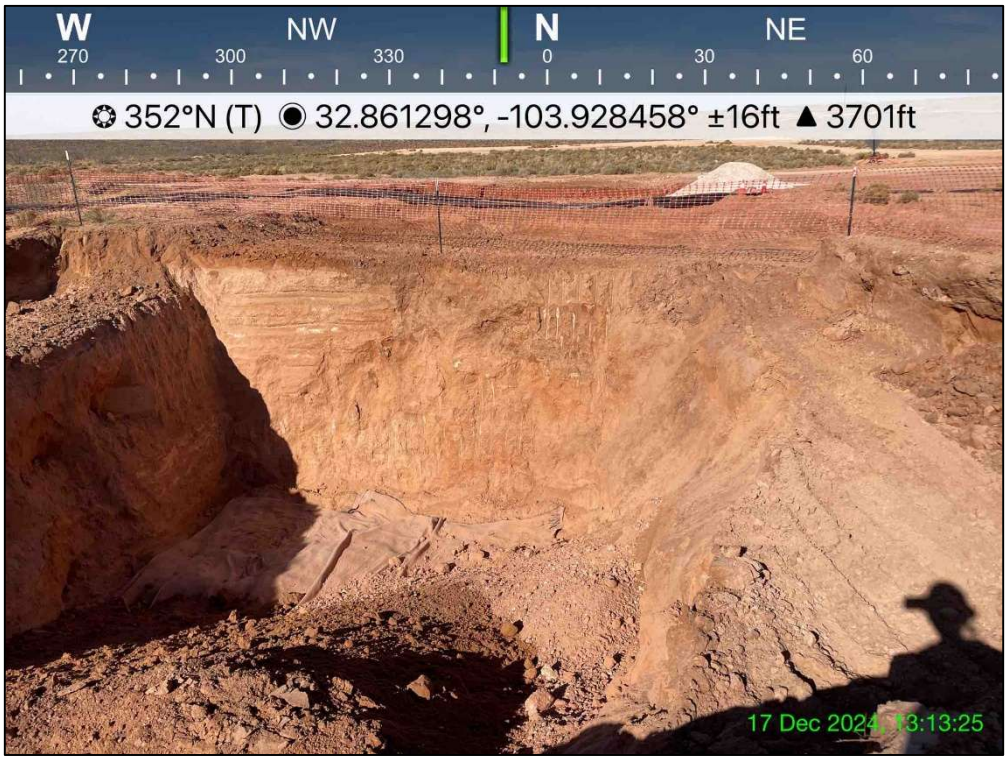

Photo 10: Excavation overview, facing west-north FL06@20 and SW15

Photographic Log
MR NM Operating, LLC
Jackson B #029Y
January 28, 2025

Photo 11: Backfill overview, facing northwest of southern portion

Photo 12: Backfill overview, facing north of southern portion

Photographic Log
MR NM Operating, LLC
Jackson B #029Y
January 28, 2025

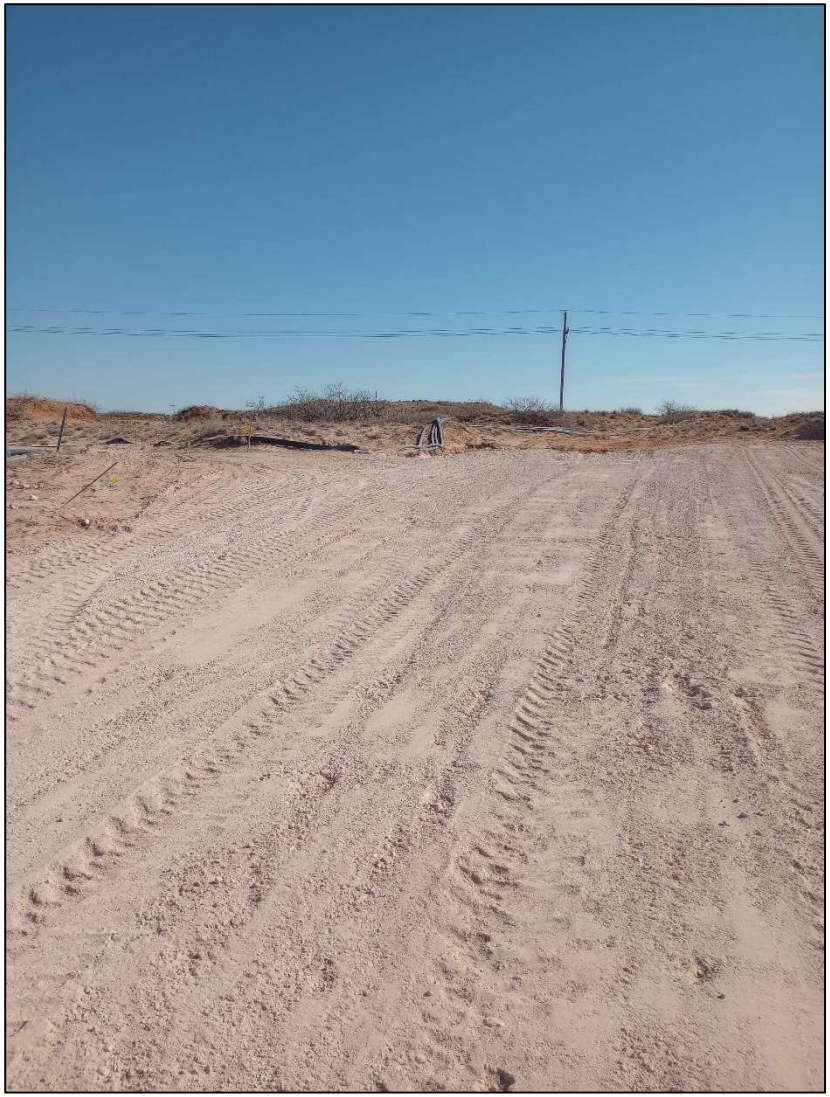

Photo 13: Backfill overview, facing south of former excavation

Photo 14: Backfill overview, facing south of former excavation

Photographic Log
MR NM Operating, LLC
Jackson B #029Y
January 28, 2025

Photo 15: Backfill overview, facing north of former excavation

Photo 16: Backfill overview, facing west of norther portion of excavation

ATTACHMENT D

Laboratory Analytical Reports

Received by OCD: 3/17/2025 8:23:03 AM

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 12/11/2024 5:30:11 PM Revision 1

JOB DESCRIPTION

Jackson B29Y

JOB NUMBER

890-7453-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

Released to Imaging: 6/16/2025 4:33:04 PM

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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12/11/2024 5:30:11 PM
Revision 1

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

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Released to Imaging: 6/16/2025 4:35:04 PM

Definitions/Glossary

Client: CDH Consulting
Project/Site: Jackson B29Y

Job ID: 890-7453-1

Qualifiers

GC VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*1	LCS/LCSD RPD exceeds control limits.
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: Jackson B29Y

Job ID: 890-7453-1

Job ID: 890-7453-1 Eurofins Carlsbad

Job Narrative
890-7453-1

REVISION

The report being provided is a revision of the original report sent on 12/11/2024. The report (revision 1) is being revised due to the Chain of Custody was not included in the original submittal..

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 12/10/2024 3:21 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 -1.4°C.

GC VOA
Method 8021B: An incorrect volume of spiking solution was inadvertently added to the laboratory control sample (LCS), matrix spike (MS), AND/OR matrix spike duplicate (MSD) associated with preparation batch 880-97575 and analytical batch 880-97570. 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.

Diesel Range Organics
Method 8015MOD_NM: The method blank for preparation batch 880-97576 and analytical batch 880-97588 contained Diesel Range Organics (Over C10-C28) above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

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

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

Client Sample Results

Client: CDH Consulting
Project/Site: Jackson B29Y

Job ID: 890-7453-1

Client Sample ID: FL01@1'

Lab Sample ID: 890-7453-1
Matrix: Solid

Date Collected: 12/10/24 10:02
Date Received: 12/10/24 15:21
Sample Depth: 1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *+ *1	0.00200		mg/Kg		12/11/24 08:23	12/11/24 11:55	1
Ethylbenzene	<0.00200	U *+ *1	0.00200		mg/Kg		12/11/24 08:23	12/11/24 11:55	1
Toluene	<0.00200	U *+ *1	0.00200		mg/Kg		12/11/24 08:23	12/11/24 11:55	1
Xylenes, Total	<0.00401	U *+ *1	0.00401		mg/Kg		12/11/24 08:23	12/11/24 11:55	1
m-Xylene & p-Xylene	<0.00401	U *+ *1	0.00401		mg/Kg		12/11/24 08:23	12/11/24 11:55	1
o-Xylene	<0.00200	U *+ *1	0.00200		mg/Kg		12/11/24 08:23	12/11/24 11:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*12/11/24 08:23*	*12/11/24 11:55*	*1*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*	*12/11/24 08:23*	*12/11/24 11:55*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			12/11/24 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			12/11/24 11:44	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	<50.0	U	50.0		mg/Kg		12/11/24 08:24	12/11/24 11:44	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/11/24 08:24	12/11/24 11:44	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/11/24 08:24	12/11/24 11:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*102*		*70 - 130*	*12/11/24 08:24*	*12/11/24 11:44*	*1*
o-Terphenyl	*95*		*70 - 130*	*12/11/24 08:24*	*12/11/24 11:44*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**329**		9.92		mg/Kg			12/11/24 11:12	1

Client Sample ID: FL02@2'

Lab Sample ID: 890-7453-2
Matrix: Solid

Date Collected: 12/10/24 10:09
Date Received: 12/10/24 15:21
Sample Depth: 2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U *+ *1	0.00202		mg/Kg		12/11/24 08:23	12/11/24 12:15	1
Ethylbenzene	<0.00202	U *+ *1	0.00202		mg/Kg		12/11/24 08:23	12/11/24 12:15	1
Toluene	<0.00202	U *+ *1	0.00202		mg/Kg		12/11/24 08:23	12/11/24 12:15	1
Xylenes, Total	<0.00403	U *+ *1	0.00403		mg/Kg		12/11/24 08:23	12/11/24 12:15	1
m-Xylene & p-Xylene	<0.00403	U *+ *1	0.00403		mg/Kg		12/11/24 08:23	12/11/24 12:15	1
o-Xylene	<0.00202	U *+ *1	0.00202		mg/Kg		12/11/24 08:23	12/11/24 12:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*12/11/24 08:23*	*12/11/24 12:15*	*1*

Client Sample Results

Client: CDH Consulting
Project/Site: Jackson B29Y

Job ID: 890-7453-1

Client Sample ID: FL02@2'

Lab Sample ID: 890-7453-2
Matrix: Solid

Date Collected: 12/10/24 10:09
Date Received: 12/10/24 15:21
Sample Depth: 2

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	107		70 - 130	12/11/24 08:23	12/11/24 12:15	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			12/11/24 12:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/11/24 12:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/11/24 08:24	12/11/24 12:33	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/11/24 08:24	12/11/24 12:33	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/11/24 08:24	12/11/24 12:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130	12/11/24 08:24	12/11/24 12:33	1
o-Terphenyl	85		70 - 130	12/11/24 08:24	12/11/24 12:33	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**666**		10.1		mg/Kg			12/11/24 11:28	1

Client Sample ID: SW1

Lab Sample ID: 890-7453-3
Matrix: Solid

Date Collected: 12/10/24 10:13
Date Received: 12/10/24 15:21

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U *+ *1	0.00199		mg/Kg		12/11/24 08:23	12/11/24 12:36	1
Ethylbenzene	<0.00199	U *+ *1	0.00199		mg/Kg		12/11/24 08:23	12/11/24 12:36	1
Toluene	<0.00199	U *+ *1	0.00199		mg/Kg		12/11/24 08:23	12/11/24 12:36	1
Xylenes, Total	<0.00398	U *+ *1	0.00398		mg/Kg		12/11/24 08:23	12/11/24 12:36	1
m-Xylene & p-Xylene	<0.00398	U *+ *1	0.00398		mg/Kg		12/11/24 08:23	12/11/24 12:36	1
o-Xylene	<0.00199	U *+ *1	0.00199		mg/Kg		12/11/24 08:23	12/11/24 12:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	12/11/24 08:23	12/11/24 12:36	1
1,4-Difluorobenzene (Surr)	106		70 - 130	12/11/24 08:23	12/11/24 12:36	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/11/24 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	<49.9	U	49.9		mg/Kg			12/11/24 12:48	1

Client Sample Results

Client: CDH Consulting
Project/Site: Jackson B29Y

Job ID: 890-7453-1

Client Sample ID: SW1

Lab Sample ID: 890-7453-3
Matrix: Solid
Date Collected: 12/10/24 10:13
Date Received: 12/10/24 15:21

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/11/24 08:24	12/11/24 12:48	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/11/24 08:24	12/11/24 12:48	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/11/24 08:24	12/11/24 12:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*102*		*70 - 130*	*12/11/24 08:24*	*12/11/24 12:48*	*1*
o-Terphenyl	*91*		*70 - 130*	*12/11/24 08:24*	*12/11/24 12:48*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**405**		10.0		mg/Kg			12/11/24 11:33	1

Client Sample ID: SW2

Lab Sample ID: 890-7453-4
Matrix: Solid
Date Collected: 12/10/24 10:17
Date Received: 12/10/24 15:21

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U *+ *1	0.00202		mg/Kg		12/11/24 08:23	12/11/24 12:56	1
Ethylbenzene	<0.00202	U *+ *1	0.00202		mg/Kg		12/11/24 08:23	12/11/24 12:56	1
Toluene	<0.00202	U *+ *1	0.00202		mg/Kg		12/11/24 08:23	12/11/24 12:56	1
Xylenes, Total	<0.00403	U *+ *1	0.00403		mg/Kg		12/11/24 08:23	12/11/24 12:56	1
m-Xylene & p-Xylene	<0.00403	U *+ *1	0.00403		mg/Kg		12/11/24 08:23	12/11/24 12:56	1
o-Xylene	<0.00202	U *+ *1	0.00202		mg/Kg		12/11/24 08:23	12/11/24 12:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*	*12/11/24 08:23*	*12/11/24 12:56*	*1*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*	*12/11/24 08:23*	*12/11/24 12:56*	*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			12/11/24 12:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/11/24 13:05	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	<49.9	U	49.9		mg/Kg		12/11/24 08:24	12/11/24 13:05	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/11/24 08:24	12/11/24 13:05	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/11/24 08:24	12/11/24 13:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*102*		*70 - 130*	*12/11/24 08:24*	*12/11/24 13:05*	*1*
o-Terphenyl	*90*		*70 - 130*	*12/11/24 08:24*	*12/11/24 13:05*	*1*

Client Sample Results

Client: CDH Consulting
Project/Site: Jackson B29Y

Job ID: 890-7453-1

Client Sample ID: SW2

Lab Sample ID: 890-7453-4
Matrix: Solid
Date Collected: 12/10/24 10:17
Date Received: 12/10/24 15:21

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	889		50.4		mg/Kg			12/11/24 11:38	5

Client Sample ID: SW3

Lab Sample ID: 890-7453-5
Matrix: Solid
Date Collected: 12/10/24 10:21
Date Received: 12/10/24 15:21

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *+ *1	0.00200		mg/Kg		12/11/24 08:23	12/11/24 13:17	1
Ethylbenzene	<0.00200	U *+ *1	0.00200		mg/Kg		12/11/24 08:23	12/11/24 13:17	1
Toluene	<0.00200	U *+ *1	0.00200		mg/Kg		12/11/24 08:23	12/11/24 13:17	1
Xylenes, Total	<0.00401	U *+ *1	0.00401		mg/Kg		12/11/24 08:23	12/11/24 13:17	1
m-Xylene & p-Xylene	<0.00401	U *+ *1	0.00401		mg/Kg		12/11/24 08:23	12/11/24 13:17	1
o-Xylene	<0.00200	U *+ *1	0.00200		mg/Kg		12/11/24 08:23	12/11/24 13:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*12/11/24 08:23*	*12/11/24 13:17*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*12/11/24 08:23*	*12/11/24 13:17*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			12/11/24 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	<50.0	U	50.0		mg/Kg			12/11/24 13:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/11/24 08:24	12/11/24 13:21	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/11/24 08:24	12/11/24 13:21	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/11/24 08:24	12/11/24 13:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*94*		*70 - 130*	*12/11/24 08:24*	*12/11/24 13:21*	*1*
o-Terphenyl	*83*		*70 - 130*	*12/11/24 08:24*	*12/11/24 13:21*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	608		9.96		mg/Kg			12/11/24 11:44	1

Client Sample ID: FL06@20'

Lab Sample ID: 890-7453-6
Matrix: Solid
Date Collected: 12/10/24 10:57
Date Received: 12/10/24 15:21
Sample Depth: 20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U *+ *1	0.00198		mg/Kg		12/11/24 08:23	12/11/24 13:37	1
Ethylbenzene	<0.00198	U *+ *1	0.00198		mg/Kg		12/11/24 08:23	12/11/24 13:37	1

Client Sample Results

Client: CDH Consulting
Project/Site: Jackson B29Y

Job ID: 890-7453-1

Client Sample ID: FL06@20'

Lab Sample ID: 890-7453-6
Matrix: Solid

Date Collected: 12/10/24 10:57
Date Received: 12/10/24 15:21
Sample Depth: 20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	<0.00198	U *+ *1	0.00198		mg/Kg		12/11/24 08:23	12/11/24 13:37	1
Xylenes, Total	<0.00396	U *+ *1	0.00396		mg/Kg		12/11/24 08:23	12/11/24 13:37	1
m-Xylene & p-Xylene	<0.00396	U *+ *1	0.00396		mg/Kg		12/11/24 08:23	12/11/24 13:37	1
o-Xylene	<0.00198	U *+ *1	0.00198		mg/Kg		12/11/24 08:23	12/11/24 13:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*12/11/24 08:23*	*12/11/24 13:37*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*12/11/24 08:23*	*12/11/24 13:37*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			12/11/24 13:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/11/24 14:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/11/24 08:24	12/11/24 14:55	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/11/24 08:24	12/11/24 14:55	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/11/24 08:24	12/11/24 14:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*111*		*70 - 130*	*12/11/24 08:24*	*12/11/24 14:55*	*1*
o-Terphenyl	*102*		*70 - 130*	*12/11/24 08:24*	*12/11/24 14:55*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2460**		49.6		mg/Kg			12/11/24 11:49	5

Client Sample ID: FL07@20'

Lab Sample ID: 890-7453-7
Matrix: Solid

Date Collected: 12/10/24 11:38
Date Received: 12/10/24 15:21
Sample Depth: 20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *+ *1	0.00200		mg/Kg		12/11/24 08:23	12/11/24 13:58	1
Ethylbenzene	<0.00200	U *+ *1	0.00200		mg/Kg		12/11/24 08:23	12/11/24 13:58	1
Toluene	<0.00200	U *+ *1	0.00200		mg/Kg		12/11/24 08:23	12/11/24 13:58	1
Xylenes, Total	<0.00399	U *+ *1	0.00399		mg/Kg		12/11/24 08:23	12/11/24 13:58	1
m-Xylene & p-Xylene	<0.00399	U *+ *1	0.00399		mg/Kg		12/11/24 08:23	12/11/24 13:58	1
o-Xylene	<0.00200	U *+ *1	0.00200		mg/Kg		12/11/24 08:23	12/11/24 13:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*12/11/24 08:23*	*12/11/24 13:58*	*1*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*	*12/11/24 08:23*	*12/11/24 13:58*	*1*

Client Sample Results

Client: CDH Consulting
Project/Site: Jackson B29Y

Job ID: 890-7453-1

Client Sample ID: FL07@20'

Date Collected: 12/10/24 11:38
Date Received: 12/10/24 15:21
Sample Depth: 20

Lab Sample ID: 890-7453-7

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			12/11/24 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	<50.0	U	50.0		mg/Kg			12/11/24 15:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/11/24 08:24	12/11/24 15:10	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/11/24 08:24	12/11/24 15:10	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/11/24 08:24	12/11/24 15:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*91*		*70 - 130*	*12/11/24 08:24*	*12/11/24 15:10*	*1*
o-Terphenyl	*84*		*70 - 130*	*12/11/24 08:24*	*12/11/24 15:10*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2240**		50.1		mg/Kg			12/11/24 11:54	5

Surrogate Summary

Client: CDH Consulting
Project/Site: Jackson B29Y

Job ID: 890-7453-1

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)
890-7453-1	FL01@1'	111	109
890-7453-1 MS	FL01@1'	104	103
890-7453-1 MSD	FL01@1'	110	105
890-7453-2	FL02@2'	113	107
890-7453-3	SW1	110	106
890-7453-4	SW2	115	108
890-7453-5	SW3	113	107
890-7453-6	FL06@20'	109	107
890-7453-7	FL07@20'	112	108
LCS 880-97575/1-A	Lab Control Sample	109	102
LCSD 880-97575/2-A	Lab Control Sample Dup	110	103
MB 880-97575/5-A	Method Blank	110	101

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)
890-7453-1	FL01@1'	102	95
890-7453-1 MS	FL01@1'	93	90
890-7453-1 MSD	FL01@1'	94	92
890-7453-2	FL02@2'	95	85
890-7453-3	SW1	102	91
890-7453-4	SW2	102	90
890-7453-5	SW3	94	83
890-7453-6	FL06@20'	111	102
890-7453-7	FL07@20'	91	84
LCS 880-97576/2-A	Lab Control Sample	96	102
LCSD 880-97576/3-A	Lab Control Sample Dup	108	108
MB 880-97576/1-A	Method Blank	121	118

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: CDH Consulting
Project/Site: Jackson B29Y

Job ID: 890-7453-1

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-97575/5-A
Matrix: Solid
Analysis Batch: 97570

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 97575

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/11/24 08:23	12/11/24 11:33	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/11/24 08:23	12/11/24 11:33	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/11/24 08:23	12/11/24 11:33	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/11/24 08:23	12/11/24 11:33	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/11/24 08:23	12/11/24 11:33	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/11/24 08:23	12/11/24 11:33	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*12/11/24 08:23*	*12/11/24 11:33*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*12/11/24 08:23*	*12/11/24 11:33*	*1*

Lab Sample ID: LCS 880-97575/1-A
Matrix: Solid
Analysis Batch: 97570

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 97575

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.2184	*+	mg/Kg		218	70 - 130
Ethylbenzene	0.100	0.2104	*+	mg/Kg		210	70 - 130
Toluene	0.100	0.2142	*+	mg/Kg		214	70 - 130
m-Xylene & p-Xylene	0.200	0.4266	*+	mg/Kg		213	70 - 130
o-Xylene	0.100	0.2190	*+	mg/Kg		219	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*

Lab Sample ID: LCSD 880-97575/2-A
Matrix: Solid
Analysis Batch: 97570

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 97575

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1149	*1	mg/Kg		115	70 - 130	62	35
Ethylbenzene	0.100	0.1109	*1	mg/Kg		111	70 - 130	62	35
Toluene	0.100	0.1127	*1	mg/Kg		113	70 - 130	62	35
m-Xylene & p-Xylene	0.200	0.2257	*1	mg/Kg		113	70 - 130	62	35
o-Xylene	0.100	0.1155	*1	mg/Kg		115	70 - 130	62	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*

Lab Sample ID: 890-7453-1 MS
Matrix: Solid
Analysis Batch: 97570

Client Sample ID: FL01@1'
Prep Type: Total/NA
Prep Batch: 97575

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U *+ *1	0.101	0.1122		mg/Kg		111	70 - 130
Ethylbenzene	<0.00200	U *+ *1	0.101	0.1065		mg/Kg		106	70 - 130

QC Sample Results

Client: CDH Consulting
Project/Site: Jackson B29Y

Job ID: 890-7453-1

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

Lab Sample ID: 890-7453-1 MS
Matrix: Solid
Analysis Batch: 97570

Client Sample ID: FL01@1'
Prep Type: Total/NA
Prep Batch: 97575

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Toluene	<0.00200	U *+ *1	0.101	0.1092		mg/Kg		108	70 - 130
m-Xylene & p-Xylene	<0.00401	U *+ *1	0.202	0.2151		mg/Kg		107	70 - 130
o-Xylene	<0.00200	U *+ *1	0.101	0.1100		mg/Kg		109	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*

Lab Sample ID: 890-7453-1 MSD
Matrix: Solid
Analysis Batch: 97570

Client Sample ID: FL01@1'
Prep Type: Total/NA
Prep Batch: 97575

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U *+ *1	0.0998	0.1154		mg/Kg		116	70 - 130	3	35
Ethylbenzene	<0.00200	U *+ *1	0.0998	0.1087		mg/Kg		109	70 - 130	2	35
Toluene	<0.00200	U *+ *1	0.0998	0.1116		mg/Kg		112	70 - 130	2	35
m-Xylene & p-Xylene	<0.00401	U *+ *1	0.200	0.2217		mg/Kg		111	70 - 130	3	35
o-Xylene	<0.00200	U *+ *1	0.0998	0.1132		mg/Kg		113	70 - 130	3	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*

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

Lab Sample ID: MB 880-97576/1-A
Matrix: Solid
Analysis Batch: 97588

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 97576

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/11/24 08:24	12/11/24 09:06	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/11/24 08:24	12/11/24 09:06	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/11/24 08:24	12/11/24 09:06	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*121*		*70 - 130*	*12/11/24 08:24*	*12/11/24 09:06*	*1*
o-Terphenyl	*118*		*70 - 130*	*12/11/24 08:24*	*12/11/24 09:06*	*1*

Lab Sample ID: LCS 880-97576/2-A
Matrix: Solid
Analysis Batch: 97588

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 97576

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	939.3		mg/Kg		94	70 - 130
Diesel Range Organics (Over C10-C28)	1000	904.8		mg/Kg		90	70 - 130

QC Sample Results

Client: CDH Consulting
Project/Site: Jackson B29Y

Job ID: 890-7453-1

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

Lab Sample ID: LCS 880-97576/2-A
Matrix: Solid
Analysis Batch: 97588

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 97576

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	96		70 - 130
o-Terphenyl	102		70 - 130

Lab Sample ID: LCSD 880-97576/3-A
Matrix: Solid
Analysis Batch: 97588

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 97576

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1098		mg/Kg		110	70 - 130	16	20
Diesel Range Organics (Over C10-C28)			1000	1008		mg/Kg		101	70 - 130	11	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	108		70 - 130
o-Terphenyl	108		70 - 130

Lab Sample ID: 890-7453-1 MS
Matrix: Solid
Analysis Batch: 97588

Client Sample ID: FL01@1'
Prep Type: Total/NA
Prep Batch: 97576

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	994	791.5		mg/Kg		80	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U	994	757.8		mg/Kg		76	70 - 130		

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

Lab Sample ID: 890-7453-1 MSD
Matrix: Solid
Analysis Batch: 97588

Client Sample ID: FL01@1'
Prep Type: Total/NA
Prep Batch: 97576

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	994	827.9		mg/Kg		83	70 - 130	4	20
Diesel Range Organics (Over C10-C28)	<50.0	U	994	761.3		mg/Kg		77	70 - 130	0	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	94		70 - 130
o-Terphenyl	92		70 - 130

QC Sample Results

Client: CDH Consulting
Project/Site: Jackson B29Y

Job ID: 890-7453-1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-97567/1-A
Matrix: Solid
Analysis Batch: 97585

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			12/11/24 09:21	1

Lab Sample ID: LCS 880-97567/2-A
Matrix: Solid
Analysis Batch: 97585

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	230.8		mg/Kg		92	90 - 110		

Lab Sample ID: LCSD 880-97567/3-A
Matrix: Solid
Analysis Batch: 97585

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	231.0		mg/Kg		92	90 - 110	0	20

QC Association Summary

Client: CDH Consulting
Project/Site: Jackson B29Y

Job ID: 890-7453-1

GC VOA

Analysis Batch: 97570

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7453-1	FL01@1'	Total/NA	Solid	8021B	97575
890-7453-2	FL02@2'	Total/NA	Solid	8021B	97575
890-7453-3	SW1	Total/NA	Solid	8021B	97575
890-7453-4	SW2	Total/NA	Solid	8021B	97575
890-7453-5	SW3	Total/NA	Solid	8021B	97575
890-7453-6	FL06@20'	Total/NA	Solid	8021B	97575
890-7453-7	FL07@20'	Total/NA	Solid	8021B	97575
MB 880-97575/5-A	Method Blank	Total/NA	Solid	8021B	97575
LCS 880-97575/1-A	Lab Control Sample	Total/NA	Solid	8021B	97575
LCSD 880-97575/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	97575
890-7453-1 MS	FL01@1'	Total/NA	Solid	8021B	97575
890-7453-1 MSD	FL01@1'	Total/NA	Solid	8021B	97575

Prep Batch: 97575

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7453-1	FL01@1'	Total/NA	Solid	5035	
890-7453-2	FL02@2'	Total/NA	Solid	5035	
890-7453-3	SW1	Total/NA	Solid	5035	
890-7453-4	SW2	Total/NA	Solid	5035	
890-7453-5	SW3	Total/NA	Solid	5035	
890-7453-6	FL06@20'	Total/NA	Solid	5035	
890-7453-7	FL07@20'	Total/NA	Solid	5035	
MB 880-97575/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-97575/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-97575/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-7453-1 MS	FL01@1'	Total/NA	Solid	5035	
890-7453-1 MSD	FL01@1'	Total/NA	Solid	5035	

Analysis Batch: 97651

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7453-1	FL01@1'	Total/NA	Solid	Total BTEX	
890-7453-2	FL02@2'	Total/NA	Solid	Total BTEX	
890-7453-3	SW1	Total/NA	Solid	Total BTEX	
890-7453-4	SW2	Total/NA	Solid	Total BTEX	
890-7453-5	SW3	Total/NA	Solid	Total BTEX	
890-7453-6	FL06@20'	Total/NA	Solid	Total BTEX	
890-7453-7	FL07@20'	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 97576

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7453-1	FL01@1'	Total/NA	Solid	8015NM Prep	
890-7453-2	FL02@2'	Total/NA	Solid	8015NM Prep	
890-7453-3	SW1	Total/NA	Solid	8015NM Prep	
890-7453-4	SW2	Total/NA	Solid	8015NM Prep	
890-7453-5	SW3	Total/NA	Solid	8015NM Prep	
890-7453-6	FL06@20'	Total/NA	Solid	8015NM Prep	
890-7453-7	FL07@20'	Total/NA	Solid	8015NM Prep	
MB 880-97576/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-97576/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: CDH Consulting
Project/Site: Jackson B29Y

Job ID: 890-7453-1

GC Semi VOA (Continued)

Prep Batch: 97576 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-97576/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-7453-1 MS	FL01@1'	Total/NA	Solid	8015NM Prep	
890-7453-1 MSD	FL01@1'	Total/NA	Solid	8015NM Prep	

Analysis Batch: 97588

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7453-1	FL01@1'	Total/NA	Solid	8015B NM	97576
890-7453-2	FL02@2'	Total/NA	Solid	8015B NM	97576
890-7453-3	SW1	Total/NA	Solid	8015B NM	97576
890-7453-4	SW2	Total/NA	Solid	8015B NM	97576
890-7453-5	SW3	Total/NA	Solid	8015B NM	97576
890-7453-6	FL06@20'	Total/NA	Solid	8015B NM	97576
890-7453-7	FL07@20'	Total/NA	Solid	8015B NM	97576
MB 880-97576/1-A	Method Blank	Total/NA	Solid	8015B NM	97576
LCS 880-97576/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	97576
LCSD 880-97576/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	97576
890-7453-1 MS	FL01@1'	Total/NA	Solid	8015B NM	97576
890-7453-1 MSD	FL01@1'	Total/NA	Solid	8015B NM	97576

Analysis Batch: 97655

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7453-1	FL01@1'	Total/NA	Solid	8015 NM	
890-7453-2	FL02@2'	Total/NA	Solid	8015 NM	
890-7453-3	SW1	Total/NA	Solid	8015 NM	
890-7453-4	SW2	Total/NA	Solid	8015 NM	
890-7453-5	SW3	Total/NA	Solid	8015 NM	
890-7453-6	FL06@20'	Total/NA	Solid	8015 NM	
890-7453-7	FL07@20'	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 97567

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7453-1	FL01@1'	Soluble	Solid	DI Leach	
890-7453-2	FL02@2'	Soluble	Solid	DI Leach	
890-7453-3	SW1	Soluble	Solid	DI Leach	
890-7453-4	SW2	Soluble	Solid	DI Leach	
890-7453-5	SW3	Soluble	Solid	DI Leach	
890-7453-6	FL06@20'	Soluble	Solid	DI Leach	
890-7453-7	FL07@20'	Soluble	Solid	DI Leach	
MB 880-97567/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-97567/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-97567/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 97585

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7453-1	FL01@1'	Soluble	Solid	300.0	97567
890-7453-2	FL02@2'	Soluble	Solid	300.0	97567
890-7453-3	SW1	Soluble	Solid	300.0	97567
890-7453-4	SW2	Soluble	Solid	300.0	97567
890-7453-5	SW3	Soluble	Solid	300.0	97567

QC Association Summary

Client: CDH Consulting
Project/Site: Jackson B29Y

Job ID: 890-7453-1

HPLC/IC (Continued)

Analysis Batch: 97585 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7453-6	FL06@20'	Soluble	Solid	300.0	97567
890-7453-7	FL07@20'	Soluble	Solid	300.0	97567
MB 880-97567/1-A	Method Blank	Soluble	Solid	300.0	97567
LCS 880-97567/2-A	Lab Control Sample	Soluble	Solid	300.0	97567
LCSD 880-97567/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	97567

Lab Chronicle

Client: CDH Consulting
Project/Site: Jackson B29Y

Job ID: 890-7453-1

Client Sample ID: FL01@1'

Lab Sample ID: 890-7453-1
Date Collected: 12/10/24 10:02
Matrix: Solid
Date Received: 12/10/24 15:21

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			97575	MNR	EET MID	12/11/24 08:23
Total/NA	Analysis	8021B		1	97570	MNR	EET MID	12/11/24 11:55
Total/NA	Analysis	Total BTEX		1	97651	AJ	EET MID	12/11/24 11:55
Total/NA	Analysis	8015 NM		1	97655	AJ	EET MID	12/11/24 11:44
Total/NA	Prep	8015NM Prep			97576	EL	EET MID	12/11/24 08:24
Total/NA	Analysis	8015B NM		1	97588	TKC	EET MID	12/11/24 11:44
Soluble	Leach	DI Leach			97567	SA	EET MID	12/11/24 07:50
Soluble	Analysis	300.0		1	97585	CH	EET MID	12/11/24 11:12

Client Sample ID: FL02@2'

Lab Sample ID: 890-7453-2
Date Collected: 12/10/24 10:09
Matrix: Solid
Date Received: 12/10/24 15:21

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			97575	MNR	EET MID	12/11/24 08:23
Total/NA	Analysis	8021B		1	97570	MNR	EET MID	12/11/24 12:15
Total/NA	Analysis	Total BTEX		1	97651	AJ	EET MID	12/11/24 12:15
Total/NA	Analysis	8015 NM		1	97655	AJ	EET MID	12/11/24 12:33
Total/NA	Prep	8015NM Prep			97576	EL	EET MID	12/11/24 08:24
Total/NA	Analysis	8015B NM		1	97588	TKC	EET MID	12/11/24 12:33
Soluble	Leach	DI Leach			97567	SA	EET MID	12/11/24 07:50
Soluble	Analysis	300.0		1	97585	CH	EET MID	12/11/24 11:28

Client Sample ID: SW1

Lab Sample ID: 890-7453-3
Date Collected: 12/10/24 10:13
Matrix: Solid
Date Received: 12/10/24 15:21

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			97575	MNR	EET MID	12/11/24 08:23
Total/NA	Analysis	8021B		1	97570	MNR	EET MID	12/11/24 12:36
Total/NA	Analysis	Total BTEX		1	97651	AJ	EET MID	12/11/24 12:36
Total/NA	Analysis	8015 NM		1	97655	AJ	EET MID	12/11/24 12:48
Total/NA	Prep	8015NM Prep			97576	EL	EET MID	12/11/24 08:24
Total/NA	Analysis	8015B NM		1	97588	TKC	EET MID	12/11/24 12:48
Soluble	Leach	DI Leach			97567	SA	EET MID	12/11/24 07:50
Soluble	Analysis	300.0		1	97585	CH	EET MID	12/11/24 11:33

Client Sample ID: SW2

Lab Sample ID: 890-7453-4
Date Collected: 12/10/24 10:17
Matrix: Solid
Date Received: 12/10/24 15:21

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			97575	MNR	EET MID	12/11/24 08:23
Total/NA	Analysis	8021B		1	97570	MNR	EET MID	12/11/24 12:56
Total/NA	Analysis	Total BTEX		1	97651	AJ	EET MID	12/11/24 12:56

Lab Chronicle

Client: CDH Consulting
Project/Site: Jackson B29Y

Job ID: 890-7453-1

Client Sample ID: SW2
Date Collected: 12/10/24 10:17
Date Received: 12/10/24 15:21

Lab Sample ID: 890-7453-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8015 NM		1	97655	AJ	EET MID	12/11/24 13:05
Total/NA	Prep	8015NM Prep			97576	EL	EET MID	12/11/24 08:24
Total/NA	Analysis	8015B NM		1	97588	TKC	EET MID	12/11/24 13:05
Soluble	Leach	DI Leach			97567	SA	EET MID	12/11/24 07:50
Soluble	Analysis	300.0		5	97585	CH	EET MID	12/11/24 11:38

Client Sample ID: SW3
Date Collected: 12/10/24 10:21
Date Received: 12/10/24 15:21

Lab Sample ID: 890-7453-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			97575	MNR	EET MID	12/11/24 08:23
Total/NA	Analysis	8021B		1	97570	MNR	EET MID	12/11/24 13:17
Total/NA	Analysis	Total BTEX		1	97651	AJ	EET MID	12/11/24 13:17
Total/NA	Analysis	8015 NM		1	97655	AJ	EET MID	12/11/24 13:21
Total/NA	Prep	8015NM Prep			97576	EL	EET MID	12/11/24 08:24
Total/NA	Analysis	8015B NM		1	97588	TKC	EET MID	12/11/24 13:21
Soluble	Leach	DI Leach			97567	SA	EET MID	12/11/24 07:50
Soluble	Analysis	300.0		1	97585	CH	EET MID	12/11/24 11:44

Client Sample ID: FL06@20'
Date Collected: 12/10/24 10:57
Date Received: 12/10/24 15:21

Lab Sample ID: 890-7453-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			97575	MNR	EET MID	12/11/24 08:23
Total/NA	Analysis	8021B		1	97570	MNR	EET MID	12/11/24 13:37
Total/NA	Analysis	Total BTEX		1	97651	AJ	EET MID	12/11/24 13:37
Total/NA	Analysis	8015 NM		1	97655	AJ	EET MID	12/11/24 14:55
Total/NA	Prep	8015NM Prep			97576	EL	EET MID	12/11/24 08:24
Total/NA	Analysis	8015B NM		1	97588	TKC	EET MID	12/11/24 14:55
Soluble	Leach	DI Leach			97567	SA	EET MID	12/11/24 07:50
Soluble	Analysis	300.0		5	97585	CH	EET MID	12/11/24 11:49

Client Sample ID: FL07@20'
Date Collected: 12/10/24 11:38
Date Received: 12/10/24 15:21

Lab Sample ID: 890-7453-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			97575	MNR	EET MID	12/11/24 08:23
Total/NA	Analysis	8021B		1	97570	MNR	EET MID	12/11/24 13:58
Total/NA	Analysis	Total BTEX		1	97651	AJ	EET MID	12/11/24 13:58
Total/NA	Analysis	8015 NM		1	97655	AJ	EET MID	12/11/24 15:10
Total/NA	Prep	8015NM Prep			97576	EL	EET MID	12/11/24 08:24
Total/NA	Analysis	8015B NM		1	97588	TKC	EET MID	12/11/24 15:10

Lab Chronicle

Client: CDH Consulting
Project/Site: Jackson B29Y

Job ID: 890-7453-1

Client Sample ID: FL07@20'

Date Collected: 12/10/24 11:38
Date Received: 12/10/24 15:21

Lab Sample ID: 890-7453-7

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Soluble	Leach	DI Leach			97567	SA	EET MID	12/11/24 07:50
Soluble	Analysis	300.0		5	97585	CH	EET MID	12/11/24 11:54

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: Jackson B29Y

Job ID: 890-7453-1

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: Jackson B29Y

Job ID: 890-7453-1

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: Jackson B29Y

Job ID: 890-7453-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-7453-1	FL01@1'	Solid	12/10/24 10:02	12/10/24 15:21	1
890-7453-2	FL02@2'	Solid	12/10/24 10:09	12/10/24 15:21	2
890-7453-3	SW1	Solid	12/10/24 10:13	12/10/24 15:21	
890-7453-4	SW2	Solid	12/10/24 10:17	12/10/24 15:21	
890-7453-5	SW3	Solid	12/10/24 10:21	12/10/24 15:21	
890-7453-6	FL06@20'	Solid	12/10/24 10:57	12/10/24 15:21	20
890-7453-7	FL07@20'	Solid	12/10/24 11:38	12/10/24 15:21	20

Released to Imaging: 6/16/2025 4:35:04 PM

Received by OCD: 3/17/2025 8:23:03 AM

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: _____

Page 1 of 1

890-7453 Chain of Custody

Project Manager:	Michael Wicker	Bill to: (if different)	
Company Name:	CDH Consulting	Company Name:	
Address:		Address:	
City, State ZIP:		City, State ZIP:	
Phone:	616-970-8459	Email:	mwicker@cdhconsult.com

Program: UST
State of Project:
Reporting: Lev
Deliverables: EDD

Project Name:	Jackson B-29Y	Turn Around	
Project Number:		☐ Routine ☑ Rush	
Project Location:		Due Date: 24hr	
Sampler's Name:	Dakoatan 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:	IR NM07
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	-1.6
Total Containers:		Corrected Temperature:	-1.4

ANALYSIS REQUEST

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	NMBDGOC	Sample Comments
FL01@ 1'	S	12/10/2024	10:00	1'	Comp	2	/	
FL02@ 2'	S	12/10/2024	10:09	2'	Comp	2	/	
SW1	S	12/10/2024	10:13		Comp	2	/	
SW2	S	12/10/2024	10:17		Comp	2	/	
SW3	S	12/10/2024	10:21		Comp	2	/	
FL06@20'	S	12/10/2024	10:57	20'	Comp	2	/	
FL07@20'	S	12/10/2024	11:38	20'	Comp	2	/	

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	

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 Dakoatan Cueto	[illegible]	15:24 12/10			
3			4		
5			6		

Revised Date: 08/25/ 2020.2

Login Sample Receipt Checklist

Client: CDH Consulting

Job Number: 890-7453-1

Login Number: 7453
List Number: 1
Creator: Lopez, Abraham

List Source: Eurofins Carlsbad

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

Login Sample Receipt Checklist

Client: CDH Consulting

Job Number: 890-7453-1

Login Number: 7453
List Number: 2
Creator: Laing, Edmundo

List Source: Eurofins Midland
List Creation: 12/11/24 08:13 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 12/12/2024 8:02:11 PM

JOB DESCRIPTION

JACKSON B - 29Y

JOB NUMBER

890-7458-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

Released to Imaging: 6/16/2025 4:33:04 PM

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
12/12/2024 8:02:11 PM

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

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Definitions/Glossary

Client: CDH Consulting
Job ID: 890-7458-1
Project/Site: JACKSON B - 29Y

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
*1	LCS/LCSD RPD exceeds control limits.
S1-	Surrogate recovery exceeds control limits, low biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
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: JACKSON B - 29Y

Job ID: 890-7458-1

Job ID: 890-7458-1 Eurofins Carlsbad

Job Narrative
890-7458-1

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 12/11/2024 3:10 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 1.2°C.

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: SW 11 (890-7458-1), SW 13 (890-7458-2), SW 12 (890-7458-3), SW 14 (890-7458-4), FL 03 @ 1' (890-7458-5), FL 04 @ 1' (890-7458-6), SW 4 (890-7458-7), SW 5 (890-7458-8), FL 05 @ 2' (890-7458-9), FL 08 @ 4' (890-7458-10), FL 09 @ 4' (890-7458-11), FL 10 @ 4' (890-7458-12), FL 11 @ 4' (890-7458-13), FL 12 @ 4' (890-7458-14), SW 08 (890-7458-15), SW 09 (890-7458-16) and SW 10 (890-7458-17).

GC VOA
Method 8021B: The matrix spike duplicate (MSD) recoveries for preparation batch 880-97685 and analytical batch 880-97700 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-97685 and analytical batch 880-97700 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.

Diesel Range Organics
Method 8015MOD_NM: The method blank for preparation batch 880-97669 and analytical batch 880-97688 contained Gasoline Range Organics (GRO)-C6-C10 above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

Method 8015MOD_NM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-97696 and analytical batch 880-97678 recovered outside control limits for the following analytes: Gasoline Range Organics (GRO)-C6-C10.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: SW 5 (890-7458-8) and FL 05 @ 2' (890-7458-9). 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
Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-97673 and analytical batch 880-97684 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: JACKSON B - 29Y

Job ID: 890-7458-1

Client Sample ID: SW 11

Lab Sample ID: 890-7458-1
Matrix: Solid
Date Collected: 12/11/24 00:00
Date Received: 12/11/24 15:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		12/12/24 09:12	12/12/24 13:05	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		12/12/24 09:12	12/12/24 13:05	1
Toluene	<0.00198	U	0.00198		mg/Kg		12/12/24 09:12	12/12/24 13:05	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		12/12/24 09:12	12/12/24 13:05	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		12/12/24 09:12	12/12/24 13:05	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		12/12/24 09:12	12/12/24 13:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*12/12/24 09:12*	*12/12/24 13:05*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*12/12/24 09:12*	*12/12/24 13:05*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			12/12/24 13:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**68.4**		49.7		mg/Kg			12/12/24 13:26	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	<49.7	U	49.7		mg/Kg		12/12/24 08:17	12/12/24 13:26	1
Diesel Range Organics (Over C10-C28)	**68.4**		49.7		mg/Kg		12/12/24 08:17	12/12/24 13:26	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		12/12/24 08:17	12/12/24 13:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*89*		*70 - 130*	*12/12/24 08:17*	*12/12/24 13:26*	*1*
o-Terphenyl	*79*		*70 - 130*	*12/12/24 08:17*	*12/12/24 13:26*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1060**		10.0		mg/Kg			12/12/24 12:04	1

Client Sample ID: SW 13

Lab Sample ID: 890-7458-2
Matrix: Solid
Date Collected: 12/11/24 07:26
Date Received: 12/11/24 15:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/12/24 09:01	12/12/24 11:31	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/12/24 09:01	12/12/24 11:31	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/12/24 09:01	12/12/24 11:31	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		12/12/24 09:01	12/12/24 11:31	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		12/12/24 09:01	12/12/24 11:31	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/12/24 09:01	12/12/24 11:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*12/12/24 09:01*	*12/12/24 11:31*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*12/12/24 09:01*	*12/12/24 11:31*	*1*

Client Sample Results

Client: CDH Consulting
Project/Site: JACKSON B - 29Y

Job ID: 890-7458-1

Client Sample ID: SW 13

Lab Sample ID: 890-7458-2
Matrix: Solid
Date Collected: 12/11/24 07:26
Date Received: 12/11/24 15:10

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			12/12/24 11:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/12/24 11:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/12/24 09:27	12/12/24 11:25	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/12/24 09:27	12/12/24 11:25	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/12/24 09:27	12/12/24 11:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*102*		*70 - 130*	*12/12/24 09:27*	*12/12/24 11:25*	*1*
o-Terphenyl	*78*		*70 - 130*	*12/12/24 09:27*	*12/12/24 11:25*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**790**		9.96		mg/Kg			12/12/24 12:21	1

Client Sample ID: SW 12

Lab Sample ID: 890-7458-3
Matrix: Solid
Date Collected: 12/11/24 07:30
Date Received: 12/11/24 15:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/12/24 09:01	12/12/24 12:53	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/12/24 09:01	12/12/24 12:53	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/12/24 09:01	12/12/24 12:53	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		12/12/24 09:01	12/12/24 12:53	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		12/12/24 09:01	12/12/24 12:53	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/12/24 09:01	12/12/24 12:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*124*		*70 - 130*	*12/12/24 09:01*	*12/12/24 12:53*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*12/12/24 09:01*	*12/12/24 12:53*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			12/12/24 12:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/12/24 12:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/12/24 09:27	12/12/24 12:12	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/12/24 09:27	12/12/24 12:12	1

Client Sample Results

Client: CDH Consulting
Project/Site: JACKSON B - 29Y

Job ID: 890-7458-1

Client Sample ID: SW 12

Lab Sample ID: 890-7458-3
Matrix: Solid
Date Collected: 12/11/24 07:30
Date Received: 12/11/24 15:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/12/24 09:27	12/12/24 12:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*96*		*70 - 130*	*12/12/24 09:27*	*12/12/24 12:12*	*1*
o-Terphenyl	*76*		*70 - 130*	*12/12/24 09:27*	*12/12/24 12:12*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**549**		9.90		mg/Kg			12/12/24 12:27	1

Client Sample ID: SW 14

Lab Sample ID: 890-7458-4
Matrix: Solid
Date Collected: 12/11/24 07:35
Date Received: 12/11/24 15:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		12/12/24 09:01	12/12/24 13:13	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		12/12/24 09:01	12/12/24 13:13	1
Toluene	<0.00198	U	0.00198		mg/Kg		12/12/24 09:01	12/12/24 13:13	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		12/12/24 09:01	12/12/24 13:13	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		12/12/24 09:01	12/12/24 13:13	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		12/12/24 09:01	12/12/24 13:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*	*12/12/24 09:01*	*12/12/24 13:13*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*12/12/24 09:01*	*12/12/24 13:13*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			12/12/24 13:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			12/12/24 12:28	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		12/12/24 09:27	12/12/24 12:28	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/12/24 09:27	12/12/24 12:28	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/12/24 09:27	12/12/24 12:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*94*		*70 - 130*	*12/12/24 09:27*	*12/12/24 12:28*	*1*
o-Terphenyl	*73*		*70 - 130*	*12/12/24 09:27*	*12/12/24 12:28*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3300**		49.5		mg/Kg			12/12/24 12:33	5

Client Sample Results

Client: CDH Consulting
Project/Site: JACKSON B - 29Y

Job ID: 890-7458-1

Client Sample ID: FL 03 @ 1'

Lab Sample ID: 890-7458-5
Matrix: Solid

Date Collected: 12/11/24 07:39
Date Received: 12/11/24 15:10
Sample Depth: 2'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/12/24 09:01	12/12/24 13:34	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/12/24 09:01	12/12/24 13:34	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/12/24 09:01	12/12/24 13:34	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/12/24 09:01	12/12/24 13:34	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/12/24 09:01	12/12/24 13:34	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/12/24 09:01	12/12/24 13:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*12/12/24 09:01*	*12/12/24 13:34*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*12/12/24 09:01*	*12/12/24 13:34*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/12/24 13:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			12/12/24 12:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		12/12/24 09:27	12/12/24 12:43	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		12/12/24 09:27	12/12/24 12:43	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		12/12/24 09:27	12/12/24 12:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*96*		*70 - 130*	*12/12/24 09:27*	*12/12/24 12:43*	*1*
o-Terphenyl	*73*		*70 - 130*	*12/12/24 09:27*	*12/12/24 12:43*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**597**		50.4		mg/Kg			12/12/24 12:39	5

Client Sample ID: FL 04 @ 1'

Lab Sample ID: 890-7458-6
Matrix: Solid

Date Collected: 12/11/24 09:09
Date Received: 12/11/24 15:10
Sample Depth: 2'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		12/12/24 09:01	12/12/24 13:54	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		12/12/24 09:01	12/12/24 13:54	1
Toluene	<0.00198	U	0.00198		mg/Kg		12/12/24 09:01	12/12/24 13:54	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		12/12/24 09:01	12/12/24 13:54	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		12/12/24 09:01	12/12/24 13:54	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		12/12/24 09:01	12/12/24 13:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*12/12/24 09:01*	*12/12/24 13:54*	*1*

Client Sample Results

Client: CDH Consulting
Project/Site: JACKSON B - 29Y

Job ID: 890-7458-1

Client Sample ID: FL 04 @ 1'

Lab Sample ID: 890-7458-6
Matrix: Solid

Date Collected: 12/11/24 09:09
Date Received: 12/11/24 15:10
Sample Depth: 2'

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	99		70 - 130	12/12/24 09:01	12/12/24 13:54	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			12/12/24 13:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			12/12/24 12:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2		mg/Kg		12/12/24 09:27	12/12/24 12:59	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		12/12/24 09:27	12/12/24 12:59	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		12/12/24 09:27	12/12/24 12:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130	12/12/24 09:27	12/12/24 12:59	1
o-Terphenyl	74		70 - 130	12/12/24 09:27	12/12/24 12:59	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**326**		10.0		mg/Kg			12/12/24 12:57	1

Client Sample ID: SW 4

Lab Sample ID: 890-7458-7
Matrix: Solid

Date Collected: 12/11/24 09:15
Date Received: 12/11/24 15:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		12/12/24 09:01	12/12/24 14:15	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/12/24 09:01	12/12/24 14:15	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/12/24 09:01	12/12/24 14:15	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/12/24 09:01	12/12/24 14:15	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/12/24 09:01	12/12/24 14:15	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/12/24 09:01	12/12/24 14:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	12/12/24 09:01	12/12/24 14:15	1
1,4-Difluorobenzene (Surr)	107		70 - 130	12/12/24 09:01	12/12/24 14:15	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			12/12/24 14:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			12/12/24 13:15	1

Client Sample Results

Client: CDH Consulting
Project/Site: JACKSON B - 29Y

Job ID: 890-7458-1

Client Sample ID: SW 4

Lab Sample ID: 890-7458-7
Date Collected: 12/11/24 09:15
Matrix: Solid
Date Received: 12/11/24 15:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		12/12/24 09:27	12/12/24 13:15	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		12/12/24 09:27	12/12/24 13:15	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		12/12/24 09:27	12/12/24 13:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*91*		*70 - 130*	*12/12/24 09:27*	*12/12/24 13:15*	*1*
o-Terphenyl	*70*		*70 - 130*	*12/12/24 09:27*	*12/12/24 13:15*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**63.0**		10.1		mg/Kg			12/12/24 13:03	1

Client Sample ID: SW 5

Lab Sample ID: 890-7458-8
Date Collected: 12/11/24 09:25
Matrix: Solid
Date Received: 12/11/24 15:10

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		12/12/24 09:01	12/12/24 14:35	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		12/12/24 09:01	12/12/24 14:35	1
Toluene	<0.00202	U	0.00202		mg/Kg		12/12/24 09:01	12/12/24 14:35	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		12/12/24 09:01	12/12/24 14:35	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		12/12/24 09:01	12/12/24 14:35	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		12/12/24 09:01	12/12/24 14:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*12/12/24 09:01*	*12/12/24 14:35*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*12/12/24 09:01*	*12/12/24 14:35*	*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			12/12/24 14:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			12/12/24 13:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		12/12/24 09:27	12/12/24 13:31	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		12/12/24 09:27	12/12/24 13:31	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		12/12/24 09:27	12/12/24 13:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*90*		*70 - 130*	*12/12/24 09:27*	*12/12/24 13:31*	*1*
o-Terphenyl	*69*	*S1-*	*70 - 130*	*12/12/24 09:27*	*12/12/24 13:31*	*1*

Client Sample Results

Client: CDH Consulting
Project/Site: JACKSON B - 29Y

Job ID: 890-7458-1

Client Sample ID: SW 5

Lab Sample ID: 890-7458-8
Matrix: Solid
Date Collected: 12/11/24 09:25
Date Received: 12/11/24 15:10

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	519		9.98		mg/Kg			12/12/24 13:09	1

Client Sample ID: FL 05 @ 2'

Lab Sample ID: 890-7458-9
Matrix: Solid
Date Collected: 12/11/24 11:01
Date Received: 12/11/24 15:10
Sample Depth: 2'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/12/24 08:29	12/12/24 13:00	1
Ethylbenzene	0.0226		0.00200		mg/Kg		12/12/24 08:29	12/12/24 13:00	1
Toluene	0.0390		0.00200		mg/Kg		12/12/24 08:29	12/12/24 13:00	1
Xylenes, Total	0.0854		0.00401		mg/Kg		12/12/24 08:29	12/12/24 13:00	1
m-Xylene & p-Xylene	0.0601		0.00401		mg/Kg		12/12/24 08:29	12/12/24 13:00	1
o-Xylene	0.0253		0.00200		mg/Kg		12/12/24 08:29	12/12/24 13:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*12/12/24 08:29*	*12/12/24 13:00*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*12/12/24 08:29*	*12/12/24 13:00*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.147		0.00401		mg/Kg			12/12/24 13:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/12/24 13:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/12/24 09:27	12/12/24 13:47	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/12/24 09:27	12/12/24 13:47	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/12/24 09:27	12/12/24 13:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*89*		*70 - 130*	*12/12/24 09:27*	*12/12/24 13:47*	*1*
o-Terphenyl	*68*	*S1-*	*70 - 130*	*12/12/24 09:27*	*12/12/24 13:47*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	357		10.0		mg/Kg			12/12/24 13:14	1

Client Sample ID: FL 08 @ 4'

Lab Sample ID: 890-7458-10
Matrix: Solid
Date Collected: 12/11/24 09:57
Date Received: 12/11/24 15:10
Sample Depth: 4'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00326		0.00198		mg/Kg		12/12/24 08:29	12/12/24 13:21	1

Client Sample Results

Client: CDH Consulting
Project/Site: JACKSON B - 29Y

Job ID: 890-7458-1

Client Sample ID: FL 08 @ 4'

Lab Sample ID: 890-7458-10
Matrix: Solid

Date Collected: 12/11/24 09:57
Date Received: 12/11/24 15:10
Sample Depth: 4'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	0.00373		0.00198		mg/Kg		12/12/24 08:29	12/12/24 13:21	1
Toluene	0.0116		0.00198		mg/Kg		12/12/24 08:29	12/12/24 13:21	1
Xylenes, Total	0.0164		0.00396		mg/Kg		12/12/24 08:29	12/12/24 13:21	1
m-Xylene & p-Xylene	0.0114		0.00396		mg/Kg		12/12/24 08:29	12/12/24 13:21	1
o-Xylene	0.00499		0.00198		mg/Kg		12/12/24 08:29	12/12/24 13:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*12/12/24 08:29*	*12/12/24 13:21*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*12/12/24 08:29*	*12/12/24 13:21*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0350		0.00396		mg/Kg			12/12/24 13:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	70.5		49.7		mg/Kg			12/12/24 11:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U *1	49.7		mg/Kg		12/12/24 09:29	12/12/24 11:25	1
Diesel Range Organics (Over C10-C28)	70.5		49.7		mg/Kg		12/12/24 09:29	12/12/24 11:25	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		12/12/24 09:29	12/12/24 11:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*96*		*70 - 130*	*12/12/24 09:29*	*12/12/24 11:25*	*1*
o-Terphenyl	*88*		*70 - 130*	*12/12/24 09:29*	*12/12/24 11:25*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	988		10.0		mg/Kg			12/12/24 13:20	1

Client Sample ID: FL 09 @ 4'

Lab Sample ID: 890-7458-11
Matrix: Solid

Date Collected: 12/11/24 10:21
Date Received: 12/11/24 15:10
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		12/12/24 08:29	12/12/24 13:41	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		12/12/24 08:29	12/12/24 13:41	1
Toluene	0.00675		0.00202		mg/Kg		12/12/24 08:29	12/12/24 13:41	1
Xylenes, Total	0.00654		0.00403		mg/Kg		12/12/24 08:29	12/12/24 13:41	1
m-Xylene & p-Xylene	0.00654		0.00403		mg/Kg		12/12/24 08:29	12/12/24 13:41	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		12/12/24 08:29	12/12/24 13:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*12/12/24 08:29*	*12/12/24 13:41*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*12/12/24 08:29*	*12/12/24 13:41*	*1*

Client Sample Results

Client: CDH Consulting
Project/Site: JACKSON B - 29Y

Job ID: 890-7458-1

Client Sample ID: FL 09 @ 4'

Lab Sample ID: 890-7458-11
Matrix: Solid

Date Collected: 12/11/24 10:21
Date Received: 12/11/24 15:10
Sample Depth: 4'

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0133		0.00403		mg/Kg			12/12/24 13:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	117		50.3		mg/Kg			12/12/24 12:12	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 *1	50.3		mg/Kg		12/12/24 09:29	12/12/24 12:12	1
Diesel Range Organics (Over C10-C28)	117		50.3		mg/Kg		12/12/24 09:29	12/12/24 12:12	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		12/12/24 09:29	12/12/24 12:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*110*		*70 - 130*	*12/12/24 09:29*	*12/12/24 12:12*	*1*
o-Terphenyl	*99*		*70 - 130*	*12/12/24 09:29*	*12/12/24 12:12*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5120	F1	101		mg/Kg			12/12/24 13:26	10

Client Sample ID: FL 10 @ 4'

Lab Sample ID: 890-7458-12
Matrix: Solid

Date Collected: 12/11/24 10:29
Date Received: 12/11/24 15:10
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		12/12/24 08:29	12/12/24 14:01	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/12/24 08:29	12/12/24 14:01	1
Toluene	0.00482		0.00201		mg/Kg		12/12/24 08:29	12/12/24 14:01	1
Xylenes, Total	0.00456		0.00402		mg/Kg		12/12/24 08:29	12/12/24 14:01	1
m-Xylene & p-Xylene	0.00456		0.00402		mg/Kg		12/12/24 08:29	12/12/24 14:01	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/12/24 08:29	12/12/24 14:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*	*12/12/24 08:29*	*12/12/24 14:01*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*12/12/24 08:29*	*12/12/24 14:01*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00938		0.00402		mg/Kg			12/12/24 14:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			12/12/24 12:28	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	<50.1	U *1	50.1		mg/Kg		12/12/24 09:29	12/12/24 12:28	1

Client Sample Results

Client: CDH Consulting
Project/Site: JACKSON B - 29Y

Job ID: 890-7458-1

Client Sample ID: FL 10 @ 4'

Lab Sample ID: 890-7458-12
Matrix: Solid

Date Collected: 12/11/24 10:29
Date Received: 12/11/24 15:10
Sample Depth: 4'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		12/12/24 09:29	12/12/24 12:28	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		12/12/24 09:29	12/12/24 12:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*110*		*70 - 130*	*12/12/24 09:29*	*12/12/24 12:28*	*1*
o-Terphenyl	*101*		*70 - 130*	*12/12/24 09:29*	*12/12/24 12:28*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**4470**		50.3		mg/Kg			12/12/24 13:44	5

Client Sample ID: FL 11 @ 4'

Lab Sample ID: 890-7458-13
Matrix: Solid

Date Collected: 12/11/24 10:32
Date Received: 12/11/24 15:10
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		12/12/24 08:29	12/12/24 14:22	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		12/12/24 08:29	12/12/24 14:22	1
Toluene	**0.00421**		0.00202		mg/Kg		12/12/24 08:29	12/12/24 14:22	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		12/12/24 08:29	12/12/24 14:22	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		12/12/24 08:29	12/12/24 14:22	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		12/12/24 08:29	12/12/24 14:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*12/12/24 08:29*	*12/12/24 14:22*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*12/12/24 08:29*	*12/12/24 14:22*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.00421**		0.00404		mg/Kg			12/12/24 14:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			12/12/24 12:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U *1	50.4		mg/Kg		12/12/24 09:29	12/12/24 12:43	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		12/12/24 09:29	12/12/24 12:43	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		12/12/24 09:29	12/12/24 12:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*109*		*70 - 130*	*12/12/24 09:29*	*12/12/24 12:43*	*1*
o-Terphenyl	*100*		*70 - 130*	*12/12/24 09:29*	*12/12/24 12:43*	*1*

Client Sample Results

Client: CDH Consulting
Project/Site: JACKSON B - 29Y

Job ID: 890-7458-1

Client Sample ID: FL 11 @ 4'

Lab Sample ID: 890-7458-13
Matrix: Solid

Date Collected: 12/11/24 10:32
Date Received: 12/11/24 15:10
Sample Depth: 4'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2150		50.5		mg/Kg			12/12/24 13:50	5

Client Sample ID: FL 12 @ 4'

Lab Sample ID: 890-7458-14
Matrix: Solid

Date Collected: 12/11/24 10:43
Date Received: 12/11/24 15:10
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		12/12/24 08:29	12/12/24 14:42	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/12/24 08:29	12/12/24 14:42	1
Toluene	0.00315		0.00200		mg/Kg		12/12/24 08:29	12/12/24 14:42	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/12/24 08:29	12/12/24 14:42	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/12/24 08:29	12/12/24 14:42	1
o-Xylene	0.00216		0.00200		mg/Kg		12/12/24 08:29	12/12/24 14:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*	*12/12/24 08:29*	*12/12/24 14:42*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*12/12/24 08:29*	*12/12/24 14:42*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00531		0.00399		mg/Kg			12/12/24 14:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			12/12/24 12:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U *1	50.1		mg/Kg		12/12/24 09:29	12/12/24 12:59	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		12/12/24 09:29	12/12/24 12:59	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		12/12/24 09:29	12/12/24 12:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*113*		*70 - 130*	*12/12/24 09:29*	*12/12/24 12:59*	*1*
o-Terphenyl	*103*		*70 - 130*	*12/12/24 09:29*	*12/12/24 12:59*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4230		99.6		mg/Kg			12/12/24 14:08	10

Client Sample ID: SW 08

Lab Sample ID: 890-7458-15
Matrix: Solid

Date Collected: 12/11/24 10:51
Date Received: 12/11/24 15:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/12/24 08:29	12/12/24 15:03	1

Client Sample Results

Client: CDH Consulting
Project/Site: JACKSON B - 29Y

Job ID: 890-7458-1

Client Sample ID: SW 08

Lab Sample ID: 890-7458-15
Date Collected: 12/11/24 10:51
Matrix: Solid
Date Received: 12/11/24 15:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/12/24 08:29	12/12/24 15:03	1
Toluene	**0.00241**		0.00199		mg/Kg		12/12/24 08:29	12/12/24 15:03	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/12/24 08:29	12/12/24 15:03	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/12/24 08:29	12/12/24 15:03	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/12/24 08:29	12/12/24 15:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*	*12/12/24 08:29*	*12/12/24 15:03*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*12/12/24 08:29*	*12/12/24 15:03*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/12/24 15:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/12/24 13:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	49.9		mg/Kg		12/12/24 09:29	12/12/24 13:15	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/12/24 09:29	12/12/24 13:15	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/12/24 09:29	12/12/24 13:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*111*		*70 - 130*	*12/12/24 09:29*	*12/12/24 13:15*	*1*
o-Terphenyl	*99*		*70 - 130*	*12/12/24 09:29*	*12/12/24 13:15*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**556**		49.7		mg/Kg			12/12/24 14:13	5

Client Sample ID: SW 09

Lab Sample ID: 890-7458-16
Date Collected: 12/11/24 11:12
Matrix: Solid
Date Received: 12/11/24 15:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/12/24 09:18	12/12/24 12:02	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/12/24 09:18	12/12/24 12:02	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/12/24 09:18	12/12/24 12:02	1
Xylenes, Total	<0.00401	U F1	0.00401		mg/Kg		12/12/24 09:18	12/12/24 12:02	1
m-Xylene & p-Xylene	<0.00401	U F1	0.00401		mg/Kg		12/12/24 09:18	12/12/24 12:02	1
o-Xylene	<0.00200	U F1	0.00200		mg/Kg		12/12/24 09:18	12/12/24 12:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*12/12/24 09:18*	*12/12/24 12:02*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*12/12/24 09:18*	*12/12/24 12:02*	*1*

Client Sample Results

Client: CDH Consulting
Project/Site: JACKSON B - 29Y

Job ID: 890-7458-1

Client Sample ID: SW 09

Lab Sample ID: 890-7458-16
Matrix: Solid

Date Collected: 12/11/24 11:12
Date Received: 12/11/24 15:10

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			12/12/24 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	<49.8	U	49.8		mg/Kg			12/12/24 13:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		12/12/24 09:29	12/12/24 13:31	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/12/24 09:29	12/12/24 13:31	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/12/24 09:29	12/12/24 13:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*124*		*70 - 130*	*12/12/24 09:29*	*12/12/24 13:31*	*1*
o-Terphenyl	*111*		*70 - 130*	*12/12/24 09:29*	*12/12/24 13:31*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**561**		9.98		mg/Kg			12/12/24 14:19	1

Client Sample ID: SW 10

Lab Sample ID: 890-7458-17
Matrix: Solid

Date Collected: 12/11/24 13:52
Date Received: 12/11/24 15:10

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		12/12/24 09:18	12/12/24 12:22	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		12/12/24 09:18	12/12/24 12:22	1
Toluene	<0.00202	U	0.00202		mg/Kg		12/12/24 09:18	12/12/24 12:22	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		12/12/24 09:18	12/12/24 12:22	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		12/12/24 09:18	12/12/24 12:22	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		12/12/24 09:18	12/12/24 12:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*131*	*S1+*	*70 - 130*	*12/12/24 09:18*	*12/12/24 12:22*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*12/12/24 09:18*	*12/12/24 12:22*	*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			12/12/24 12:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/12/24 13:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/12/24 09:29	12/12/24 13:47	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/12/24 09:29	12/12/24 13:47	1

Client Sample Results

Client: CDH Consulting
Project/Site: JACKSON B - 29Y

Job ID: 890-7458-1

Client Sample ID: SW 10

Lab Sample ID: 890-7458-17

Date Collected: 12/11/24 13:52
Matrix: Solid
Date Received: 12/11/24 15:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/12/24 09:29	12/12/24 13:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*113*		*70 - 130*	*12/12/24 09:29*	*12/12/24 13:47*	*1*
o-Terphenyl	*102*		*70 - 130*	*12/12/24 09:29*	*12/12/24 13:47*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**629**		9.96		mg/Kg			12/12/24 14:25	1

Surrogate Summary

Client: CDH Consulting
Project/Site: JACKSON B - 29Y

Job ID: 890-7458-1

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)
890-7458-1	SW 11	102	90
890-7458-2	SW 13	113	107
890-7458-2 MS	SW 13	109	104
890-7458-2 MSD	SW 13	109	103
890-7458-3	SW 12	124	107
890-7458-4	SW 14	115	107
890-7458-5	FL 03 @ 1'	110	107
890-7458-6	FL 04 @ 1'	102	99
890-7458-7	SW 4	111	107
890-7458-8	SW 5	110	107
890-7458-9	FL 05 @ 2'	114	91
890-7458-10	FL 08 @ 4'	109	96
890-7458-11	FL 09 @ 4'	113	95
890-7458-12	FL 10 @ 4'	117	94
890-7458-13	FL 11 @ 4'	114	95
890-7458-14	FL 12 @ 4'	116	97
890-7458-15	SW 08	115	100
890-7458-16	SW 09	103	99
890-7458-16 MS	SW 09	114	104
890-7458-16 MSD	SW 09	159 S1+	97
890-7458-17	SW 10	131 S1+	102
LCS 880-97671/1-A	Lab Control Sample	101	100
LCS 880-97681/1-A	Lab Control Sample	107	105
LCS 880-97682/1-A	Lab Control Sample	108	99
LCS 880-97685/1-A	Lab Control Sample	116	97
LCSD 880-97671/2-A	Lab Control Sample Dup	103	99
LCSD 880-97681/2-A	Lab Control Sample Dup	106	103
LCSD 880-97682/2-A	Lab Control Sample Dup	98	96
LCSD 880-97685/2-A	Lab Control Sample Dup	115	102
MB 880-97671/5-A	Method Blank	110	97
MB 880-97681/5-A	Method Blank	111	103
MB 880-97682/5-A	Method Blank	119	88
MB 880-97685/5-A	Method Blank	210 S1+	116

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)
890-7458-1	SW 11	89	79
890-7458-2	SW 13	102	78
890-7458-2 MS	SW 13	89	77
890-7458-2 MSD	SW 13	89	76
890-7458-3	SW 12	96	76
890-7458-4	SW 14	94	73

Surrogate Summary

Client: CDH Consulting
Job ID: 890-7458-1
Project/Site: JACKSON B - 29Y

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

Matrix: Solid
Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)									
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)								
890-7458-5	FL 03 @ 1'	96	73								
890-7458-6	FL 04 @ 1'	94	74								
890-7458-7	SW 4	91	70								
890-7458-8	SW 5	90	69 S1-								
890-7458-9	FL 05 @ 2'	89	68 S1-								
890-7458-10	FL 08 @ 4'	96	88								
890-7458-10 MS	FL 08 @ 4'	114	110								
890-7458-10 MSD	FL 08 @ 4'	114	110								
890-7458-11	FL 09 @ 4'	110	99								
890-7458-12	FL 10 @ 4'	110	101								
890-7458-13	FL 11 @ 4'	109	100								
890-7458-14	FL 12 @ 4'	113	103								
890-7458-15	SW 08	111	99								
890-7458-16	SW 09	124	111								
890-7458-17	SW 10	113	102								
LCS 880-97669/2-A	Lab Control Sample	119	97								
LCS 880-97693/2-A	Lab Control Sample	119	109								
LCS 880-97696/2-A	Lab Control Sample	97	97								
LCSD 880-97669/3-A	Lab Control Sample Dup	116	93								
LCSD 880-97693/3-A	Lab Control Sample Dup	109	97								
LCSD 880-97696/3-A	Lab Control Sample Dup	110	109								
MB 880-97669/1-A	Method Blank	88	79								
MB 880-97693/1-A	Method Blank	91	75								
MB 880-97696/1-A	Method Blank	104	98								

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: CDH Consulting
Project/Site: JACKSON B - 29Y

Job ID: 890-7458-1

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-97671/5-A
Matrix: Solid
Analysis Batch: 97674

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 97671

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/12/24 08:29	12/12/24 11:37	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/12/24 08:29	12/12/24 11:37	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/12/24 08:29	12/12/24 11:37	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/12/24 08:29	12/12/24 11:37	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/12/24 08:29	12/12/24 11:37	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/12/24 08:29	12/12/24 11:37	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*12/12/24 08:29*	*12/12/24 11:37*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*12/12/24 08:29*	*12/12/24 11:37*	*1*

Lab Sample ID: LCS 880-97671/1-A
Matrix: Solid
Analysis Batch: 97674

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 97671

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1150		mg/Kg		115	70 - 130
Ethylbenzene	0.100	0.1018		mg/Kg		102	70 - 130
Toluene	0.100	0.1087		mg/Kg		109	70 - 130
m-Xylene & p-Xylene	0.200	0.2174		mg/Kg		109	70 - 130
o-Xylene	0.100	0.1085		mg/Kg		109	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*

Lab Sample ID: LCSD 880-97671/2-A
Matrix: Solid
Analysis Batch: 97674

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 97671

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1104		mg/Kg		110	70 - 130	4	35
Ethylbenzene	0.100	0.09888		mg/Kg		99	70 - 130	3	35
Toluene	0.100	0.1049		mg/Kg		105	70 - 130	4	35
m-Xylene & p-Xylene	0.200	0.2114		mg/Kg		106	70 - 130	3	35
o-Xylene	0.100	0.1055		mg/Kg		106	70 - 130	3	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*

Lab Sample ID: MB 880-97681/5-A
Matrix: Solid
Analysis Batch: 97664

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 97681

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/12/24 09:01	12/12/24 11:09	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/12/24 09:01	12/12/24 11:09	1

QC Sample Results

Client: CDH Consulting
Project/Site: JACKSON B - 29Y

Job ID: 890-7458-1

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

Lab Sample ID: MB 880-97681/5-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 97664 — **Prep Batch: 97681**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	<0.00200	U	0.00200		mg/Kg		12/12/24 09:01	12/12/24 11:09	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/12/24 09:01	12/12/24 11:09	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/12/24 09:01	12/12/24 11:09	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/12/24 09:01	12/12/24 11:09	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*12/12/24 09:01*	*12/12/24 11:09*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*12/12/24 09:01*	*12/12/24 11:09*	*1*

Lab Sample ID: LCS 880-97681/1-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 97664 — **Prep Batch: 97681**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1235		mg/Kg		123	70 - 130
Ethylbenzene	0.100	0.1174		mg/Kg		117	70 - 130
Toluene	0.100	0.1192		mg/Kg		119	70 - 130
m-Xylene & p-Xylene	0.200	0.2392		mg/Kg		120	70 - 130
o-Xylene	0.100	0.1222		mg/Kg		122	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*

Lab Sample ID: LCSD 880-97681/2-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 97664 — **Prep Batch: 97681**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1186		mg/Kg		119	70 - 130	4	35
Ethylbenzene	0.100	0.1137		mg/Kg		114	70 - 130	3	35
Toluene	0.100	0.1155		mg/Kg		115	70 - 130	3	35
m-Xylene & p-Xylene	0.200	0.2315		mg/Kg		116	70 - 130	3	35
o-Xylene	0.100	0.1183		mg/Kg		118	70 - 130	3	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*

Lab Sample ID: 890-7458-2 MS — **Client Sample ID: SW 13**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 97664 — **Prep Batch: 97681**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.101	0.1051		mg/Kg		104	70 - 130
Ethylbenzene	<0.00200	U	0.101	0.09915		mg/Kg		98	70 - 130
Toluene	<0.00200	U	0.101	0.1018		mg/Kg		101	70 - 130
m-Xylene & p-Xylene	<0.00401	U	0.202	0.2024		mg/Kg		100	70 - 130

QC Sample Results

Client: CDH Consulting
Project/Site: JACKSON B - 29Y

Job ID: 890-7458-1

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

Lab Sample ID: 890-7458-2 MS
Matrix: Solid
Analysis Batch: 97664

Client Sample ID: SW 13
Prep Type: Total/NA
Prep Batch: 97681

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
o-Xylene	<0.00200	U	0.101	0.1038		mg/Kg		103	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*

Lab Sample ID: 890-7458-2 MSD
Matrix: Solid
Analysis Batch: 97664

Client Sample ID: SW 13
Prep Type: Total/NA
Prep Batch: 97681

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.0998	0.1154		mg/Kg		116	70 - 130	9	35
Ethylbenzene	<0.00200	U	0.0998	0.1095		mg/Kg		110	70 - 130	10	35
Toluene	<0.00200	U	0.0998	0.1122		mg/Kg		112	70 - 130	10	35
m-Xylene & p-Xylene	<0.00401	U	0.200	0.2227		mg/Kg		112	70 - 130	10	35
o-Xylene	<0.00200	U	0.0998	0.1139		mg/Kg		114	70 - 130	9	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*

Lab Sample ID: MB 880-97682/5-A
Matrix: Solid
Analysis Batch: 97662

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 97682

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/12/24 09:12	12/12/24 11:01	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/12/24 09:12	12/12/24 11:01	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/12/24 09:12	12/12/24 11:01	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/12/24 09:12	12/12/24 11:01	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/12/24 09:12	12/12/24 11:01	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/12/24 09:12	12/12/24 11:01	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*	*12/12/24 09:12*	*12/12/24 11:01*	*1*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*	*12/12/24 09:12*	*12/12/24 11:01*	*1*

Lab Sample ID: LCS 880-97682/1-A
Matrix: Solid
Analysis Batch: 97662

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 97682

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1191		mg/Kg		119	70 - 130
Ethylbenzene	0.100	0.1159		mg/Kg		116	70 - 130
Toluene	0.100	0.1138		mg/Kg		114	70 - 130
m-Xylene & p-Xylene	0.200	0.2340		mg/Kg		117	70 - 130
o-Xylene	0.100	0.1188		mg/Kg		119	70 - 130

QC Sample Results

Client: CDH Consulting
Project/Site: JACKSON B - 29Y

Job ID: 890-7458-1

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

Lab Sample ID: LCS 880-97682/1-A
Matrix: Solid
Analysis Batch: 97662

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 97682

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: LCSD 880-97682/2-A
Matrix: Solid
Analysis Batch: 97662

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 97682

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1146		mg/Kg		115	70 - 130	4	35
Ethylbenzene			0.100	0.1104		mg/Kg		110	70 - 130	5	35
Toluene			0.100	0.1085		mg/Kg		108	70 - 130	5	35
m-Xylene & p-Xylene			0.200	0.2217		mg/Kg		111	70 - 130	5	35
o-Xylene			0.100	0.1125		mg/Kg		112	70 - 130	5	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

Lab Sample ID: MB 880-97685/5-A
Matrix: Solid
Analysis Batch: 97700

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 97685

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/12/24 09:18	12/12/24 11:33	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/12/24 09:18	12/12/24 11:33	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/12/24 09:18	12/12/24 11:33	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/12/24 09:18	12/12/24 11:33	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/12/24 09:18	12/12/24 11:33	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/12/24 09:18	12/12/24 11:33	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	210	S1+	70 - 130	12/12/24 09:18	12/12/24 11:33	1
1,4-Difluorobenzene (Surr)	116		70 - 130	12/12/24 09:18	12/12/24 11:33	1

Lab Sample ID: LCS 880-97685/1-A
Matrix: Solid
Analysis Batch: 97700

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 97685

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1095		mg/Kg		109	70 - 130		
Ethylbenzene			0.100	0.1043		mg/Kg		104	70 - 130		
Toluene			0.100	0.1074		mg/Kg		107	70 - 130		
m-Xylene & p-Xylene			0.200	0.2569		mg/Kg		128	70 - 130		
o-Xylene			0.100	0.1285		mg/Kg		129	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	116		70 - 130

QC Sample Results

Client: CDH Consulting
Project/Site: JACKSON B - 29Y

Job ID: 890-7458-1

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

Lab Sample ID: LCS 880-97685/1-A
Matrix: Solid
Analysis Batch: 97700

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 97685

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

Lab Sample ID: LCSD 880-97685/2-A
Matrix: Solid
Analysis Batch: 97700

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 97685

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1063		mg/Kg		106	70 - 130	3	35
Ethylbenzene			0.100	0.1029		mg/Kg		103	70 - 130	1	35
Toluene			0.100	0.1127		mg/Kg		113	70 - 130	5	35
m-Xylene & p-Xylene			0.200	0.2511		mg/Kg		126	70 - 130	2	35
o-Xylene			0.100	0.1264		mg/Kg		126	70 - 130	2	35

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

Lab Sample ID: 890-7458-16 MS
Matrix: Solid
Analysis Batch: 97700

Client Sample ID: SW 09
Prep Type: Total/NA
Prep Batch: 97685

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00200	U	0.101	0.1007		mg/Kg		100	70 - 130		
Ethylbenzene	<0.00200	U	0.101	0.09455		mg/Kg		94	70 - 130		
Toluene	<0.00200	U	0.101	0.1003		mg/Kg		99	70 - 130		
m-Xylene & p-Xylene	<0.00401	U F1	0.202	0.2224		mg/Kg		110	70 - 130		
o-Xylene	<0.00200	U F1	0.101	0.1202		mg/Kg		119	70 - 130		

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	114		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: 890-7458-16 MSD
Matrix: Solid
Analysis Batch: 97700

Client Sample ID: SW 09
Prep Type: Total/NA
Prep Batch: 97685

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.0998	0.09888		mg/Kg		99	70 - 130	2	35
Ethylbenzene	<0.00200	U	0.0998	0.07749		mg/Kg		78	70 - 130	20	35
Toluene	<0.00200	U	0.0998	0.1003		mg/Kg		100	70 - 130	0	35
m-Xylene & p-Xylene	<0.00401	U F1	0.200	0.2799	F1	mg/Kg		140	70 - 130	23	35
o-Xylene	<0.00200	U F1	0.0998	0.1517	F1	mg/Kg		152	70 - 130	23	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	159	S1+	70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

QC Sample Results

Client: CDH Consulting
Project/Site: JACKSON B - 29Y

Job ID: 890-7458-1

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

Lab Sample ID: MB 880-97669/1-A
Matrix: Solid
Analysis Batch: 97688

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 97669

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		12/12/24 08:17	12/12/24 09:28	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/12/24 08:17	12/12/24 09:28	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/12/24 08:17	12/12/24 09:28	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*88*		*70 - 130*	*12/12/24 08:17*	*12/12/24 09:28*	*1*
o-Terphenyl	*79*		*70 - 130*	*12/12/24 08:17*	*12/12/24 09:28*	*1*

Lab Sample ID: LCS 880-97669/2-A
Matrix: Solid
Analysis Batch: 97688

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 97669

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1179		mg/Kg		118	70 - 130
Diesel Range Organics (Over C10-C28)	1000	928.2		mg/Kg		93	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*119*		*70 - 130*
o-Terphenyl	*97*		*70 - 130*

Lab Sample ID: LCSD 880-97669/3-A
Matrix: Solid
Analysis Batch: 97688

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 97669

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1179		mg/Kg		118	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	1000	895.4		mg/Kg		90	70 - 130	4	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*116*		*70 - 130*
o-Terphenyl	*93*		*70 - 130*

Lab Sample ID: MB 880-97693/1-A
Matrix: Solid
Analysis Batch: 97676

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 97693

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		12/12/24 09:26	12/12/24 09:28	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/12/24 09:26	12/12/24 09:28	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/12/24 09:26	12/12/24 09:28	1

QC Sample Results

Client: CDH Consulting
Project/Site: JACKSON B - 29Y

Job ID: 890-7458-1

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

Lab Sample ID: MB 880-97693/1-A
Matrix: Solid
Analysis Batch: 97676

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 97693

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130	12/12/24 09:26	12/12/24 09:28	1
o-Terphenyl	75		70 - 130	12/12/24 09:26	12/12/24 09:28	1

Lab Sample ID: LCS 880-97693/2-A
Matrix: Solid
Analysis Batch: 97676

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 97693

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1222		mg/Kg		122	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1099		mg/Kg		110	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	119		70 - 130
o-Terphenyl	109		70 - 130

Lab Sample ID: LCSD 880-97693/3-A
Matrix: Solid
Analysis Batch: 97676

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 97693

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1156		mg/Kg		116	70 - 130	6	20
Diesel Range Organics (Over C10-C28)	1000	1003		mg/Kg		100	70 - 130	9	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	109		70 - 130
o-Terphenyl	97		70 - 130

Lab Sample ID: 890-7458-2 MS
Matrix: Solid
Analysis Batch: 97676

Client Sample ID: SW 13
Prep Type: Total/NA
Prep Batch: 97693

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	1010	954.5		mg/Kg		95	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	1010	754.9		mg/Kg		75	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	89		70 - 130
o-Terphenyl	77		70 - 130

QC Sample Results

Client: CDH Consulting
Project/Site: JACKSON B - 29Y

Job ID: 890-7458-1

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

Lab Sample ID: 890-7458-2 MSD — **Client Sample ID: SW 13**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 97676 — **Prep Batch: 97693**

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	1010	950.5		mg/Kg		95	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	<49.9	U	1010	752.9		mg/Kg		75	70 - 130	0	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*89*		*70 - 130*
o-Terphenyl	*76*		*70 - 130*

Lab Sample ID: MB 880-97696/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 97678 — **Prep Batch: 97696**

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		12/12/24 09:29	12/12/24 09:28	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/12/24 09:29	12/12/24 09:28	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/12/24 09:29	12/12/24 09:28	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*104*		*70 - 130*	*12/12/24 09:29*	*12/12/24 09:28*	*1*
o-Terphenyl	*98*		*70 - 130*	*12/12/24 09:29*	*12/12/24 09:28*	*1*

Lab Sample ID: LCS 880-97696/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 97678 — **Prep Batch: 97696**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	922.0		mg/Kg		92	70 - 130
Diesel Range Organics (Over C10-C28)	1000	915.5		mg/Kg		92	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*97*		*70 - 130*
o-Terphenyl	*97*		*70 - 130*

Lab Sample ID: LCSD 880-97696/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 97678 — **Prep Batch: 97696**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1136	*1	mg/Kg		114	70 - 130	21	20
Diesel Range Organics (Over C10-C28)	1000	1023		mg/Kg		102	70 - 130	11	20

QC Sample Results

Client: CDH Consulting
Project/Site: JACKSON B - 29Y

Job ID: 890-7458-1

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

Lab Sample ID: LCSD 880-97696/3-A
Matrix: Solid
Analysis Batch: 97678

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 97696

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	110		70 - 130
o-Terphenyl	109		70 - 130

Lab Sample ID: 890-7458-10 MS
Matrix: Solid
Analysis Batch: 97678

Client Sample ID: FL 08 @ 4'
Prep Type: Total/NA
Prep Batch: 97696

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.7	U *1	998	994.8		mg/Kg		100	70 - 130
Diesel Range Organics (Over C10-C28)	70.5		998	902.7		mg/Kg		83	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	114		70 - 130
o-Terphenyl	110		70 - 130

Lab Sample ID: 890-7458-10 MSD
Matrix: Solid
Analysis Batch: 97678

Client Sample ID: FL 08 @ 4'
Prep Type: Total/NA
Prep Batch: 97696

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	<49.7	U *1	998	991.8		mg/Kg		99	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	70.5		998	912.7		mg/Kg		84	70 - 130	1	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	114		70 - 130
o-Terphenyl	110		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-97673/1-A
Matrix: Solid
Analysis Batch: 97684

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			12/12/24 11:46	1

Lab Sample ID: LCS 880-97673/2-A
Matrix: Solid
Analysis Batch: 97684

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	265.7		mg/Kg		106	90 - 110

QC Sample Results

Client: CDH Consulting
Project/Site: JACKSON B - 29Y

Job ID: 890-7458-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 880-97673/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 97684

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	265.4		mg/Kg		106	90 - 110	0	20

Lab Sample ID: 890-7458-1 MS — **Client Sample ID: SW 11**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 97684

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	1060		251	1267	4	mg/Kg		81	90 - 110		

Lab Sample ID: 890-7458-1 MSD — **Client Sample ID: SW 11**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 97684

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	1060		251	1268	4	mg/Kg		81	90 - 110	0	20

Lab Sample ID: 890-7458-11 MS — **Client Sample ID: FL 09 @ 4'**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 97684

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	5120	F1	2520	8639	F1	mg/Kg		140	90 - 110		

Lab Sample ID: 890-7458-11 MSD — **Client Sample ID: FL 09 @ 4'**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 97684

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	5120	F1	2520	8646	F1	mg/Kg		140	90 - 110	0	20

QC Association Summary

Client: CDH Consulting
Project/Site: JACKSON B - 29Y

Job ID: 890-7458-1

GC VOA

Analysis Batch: 97662

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7458-1	SW 11	Total/NA	Solid	8021B	97682
MB 880-97682/5-A	Method Blank	Total/NA	Solid	8021B	97682
LCS 880-97682/1-A	Lab Control Sample	Total/NA	Solid	8021B	97682
LCSD 880-97682/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	97682

Analysis Batch: 97664

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7458-2	SW 13	Total/NA	Solid	8021B	97681
890-7458-3	SW 12	Total/NA	Solid	8021B	97681
890-7458-4	SW 14	Total/NA	Solid	8021B	97681
890-7458-5	FL 03 @ 1'	Total/NA	Solid	8021B	97681
890-7458-6	FL 04 @ 1'	Total/NA	Solid	8021B	97681
890-7458-7	SW 4	Total/NA	Solid	8021B	97681
890-7458-8	SW 5	Total/NA	Solid	8021B	97681
MB 880-97681/5-A	Method Blank	Total/NA	Solid	8021B	97681
LCS 880-97681/1-A	Lab Control Sample	Total/NA	Solid	8021B	97681
LCSD 880-97681/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	97681
890-7458-2 MS	SW 13	Total/NA	Solid	8021B	97681
890-7458-2 MSD	SW 13	Total/NA	Solid	8021B	97681

Prep Batch: 97671

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7458-9	FL 05 @ 2'	Total/NA	Solid	5035	
890-7458-10	FL 08 @ 4'	Total/NA	Solid	5035	
890-7458-11	FL 09 @ 4'	Total/NA	Solid	5035	
890-7458-12	FL 10 @ 4'	Total/NA	Solid	5035	
890-7458-13	FL 11 @ 4'	Total/NA	Solid	5035	
890-7458-14	FL 12 @ 4'	Total/NA	Solid	5035	
890-7458-15	SW 08	Total/NA	Solid	5035	
MB 880-97671/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-97671/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-97671/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 97674

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7458-9	FL 05 @ 2'	Total/NA	Solid	8021B	97671
890-7458-10	FL 08 @ 4'	Total/NA	Solid	8021B	97671
890-7458-11	FL 09 @ 4'	Total/NA	Solid	8021B	97671
890-7458-12	FL 10 @ 4'	Total/NA	Solid	8021B	97671
890-7458-13	FL 11 @ 4'	Total/NA	Solid	8021B	97671
890-7458-14	FL 12 @ 4'	Total/NA	Solid	8021B	97671
890-7458-15	SW 08	Total/NA	Solid	8021B	97671
MB 880-97671/5-A	Method Blank	Total/NA	Solid	8021B	97671
LCS 880-97671/1-A	Lab Control Sample	Total/NA	Solid	8021B	97671
LCSD 880-97671/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	97671

Prep Batch: 97681

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7458-2	SW 13	Total/NA	Solid	5035	
890-7458-3	SW 12	Total/NA	Solid	5035	
890-7458-4	SW 14	Total/NA	Solid	5035	

QC Association Summary

Client: CDH Consulting
Project/Site: JACKSON B - 29Y

Job ID: 890-7458-1

GC VOA (Continued)

Prep Batch: 97681 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7458-5	FL 03 @ 1'	Total/NA	Solid	5035	
890-7458-6	FL 04 @ 1'	Total/NA	Solid	5035	
890-7458-7	SW 4	Total/NA	Solid	5035	
890-7458-8	SW 5	Total/NA	Solid	5035	
MB 880-97681/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-97681/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-97681/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-7458-2 MS	SW 13	Total/NA	Solid	5035	
890-7458-2 MSD	SW 13	Total/NA	Solid	5035	

Prep Batch: 97682

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7458-1	SW 11	Total/NA	Solid	5035	
MB 880-97682/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-97682/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-97682/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Prep Batch: 97685

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7458-16	SW 09	Total/NA	Solid	5035	
890-7458-17	SW 10	Total/NA	Solid	5035	
MB 880-97685/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-97685/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-97685/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-7458-16 MS	SW 09	Total/NA	Solid	5035	
890-7458-16 MSD	SW 09	Total/NA	Solid	5035	

Analysis Batch: 97700

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7458-16	SW 09	Total/NA	Solid	8021B	97685
890-7458-17	SW 10	Total/NA	Solid	8021B	97685
MB 880-97685/5-A	Method Blank	Total/NA	Solid	8021B	97685
LCS 880-97685/1-A	Lab Control Sample	Total/NA	Solid	8021B	97685
LCSD 880-97685/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	97685
890-7458-16 MS	SW 09	Total/NA	Solid	8021B	97685
890-7458-16 MSD	SW 09	Total/NA	Solid	8021B	97685

Analysis Batch: 97753

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7458-1	SW 11	Total/NA	Solid	Total BTEX	
890-7458-2	SW 13	Total/NA	Solid	Total BTEX	
890-7458-3	SW 12	Total/NA	Solid	Total BTEX	
890-7458-4	SW 14	Total/NA	Solid	Total BTEX	
890-7458-5	FL 03 @ 1'	Total/NA	Solid	Total BTEX	
890-7458-6	FL 04 @ 1'	Total/NA	Solid	Total BTEX	
890-7458-7	SW 4	Total/NA	Solid	Total BTEX	
890-7458-8	SW 5	Total/NA	Solid	Total BTEX	
890-7458-9	FL 05 @ 2'	Total/NA	Solid	Total BTEX	
890-7458-10	FL 08 @ 4'	Total/NA	Solid	Total BTEX	
890-7458-11	FL 09 @ 4'	Total/NA	Solid	Total BTEX	
890-7458-12	FL 10 @ 4'	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: CDH Consulting
Project/Site: JACKSON B - 29Y

Job ID: 890-7458-1

GC VOA (Continued)

Analysis Batch: 97753 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7458-13	FL 11 @ 4'	Total/NA	Solid	Total BTEX	
890-7458-14	FL 12 @ 4'	Total/NA	Solid	Total BTEX	
890-7458-15	SW 08	Total/NA	Solid	Total BTEX	
890-7458-16	SW 09	Total/NA	Solid	Total BTEX	
890-7458-17	SW 10	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 97669

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7458-1	SW 11	Total/NA	Solid	8015NM Prep	
MB 880-97669/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-97669/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-97669/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 97676

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7458-2	SW 13	Total/NA	Solid	8015B NM	97693
890-7458-3	SW 12	Total/NA	Solid	8015B NM	97693
890-7458-4	SW 14	Total/NA	Solid	8015B NM	97693
890-7458-5	FL 03 @ 1'	Total/NA	Solid	8015B NM	97693
890-7458-6	FL 04 @ 1'	Total/NA	Solid	8015B NM	97693
890-7458-7	SW 4	Total/NA	Solid	8015B NM	97693
890-7458-8	SW 5	Total/NA	Solid	8015B NM	97693
890-7458-9	FL 05 @ 2'	Total/NA	Solid	8015B NM	97693
MB 880-97693/1-A	Method Blank	Total/NA	Solid	8015B NM	97693
LCS 880-97693/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	97693
LCSD 880-97693/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	97693
890-7458-2 MS	SW 13	Total/NA	Solid	8015B NM	97693
890-7458-2 MSD	SW 13	Total/NA	Solid	8015B NM	97693

Analysis Batch: 97678

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7458-10	FL 08 @ 4'	Total/NA	Solid	8015B NM	97696
890-7458-11	FL 09 @ 4'	Total/NA	Solid	8015B NM	97696
890-7458-12	FL 10 @ 4'	Total/NA	Solid	8015B NM	97696
890-7458-13	FL 11 @ 4'	Total/NA	Solid	8015B NM	97696
890-7458-14	FL 12 @ 4'	Total/NA	Solid	8015B NM	97696
890-7458-15	SW 08	Total/NA	Solid	8015B NM	97696
890-7458-16	SW 09	Total/NA	Solid	8015B NM	97696
890-7458-17	SW 10	Total/NA	Solid	8015B NM	97696
MB 880-97696/1-A	Method Blank	Total/NA	Solid	8015B NM	97696
LCS 880-97696/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	97696
LCSD 880-97696/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	97696
890-7458-10 MS	FL 08 @ 4'	Total/NA	Solid	8015B NM	97696
890-7458-10 MSD	FL 08 @ 4'	Total/NA	Solid	8015B NM	97696

Analysis Batch: 97688

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7458-1	SW 11	Total/NA	Solid	8015B NM	97669
MB 880-97669/1-A	Method Blank	Total/NA	Solid	8015B NM	97669

QC Association Summary

Client: CDH Consulting
Project/Site: JACKSON B - 29Y

Job ID: 890-7458-1

GC Semi VOA (Continued)

Analysis Batch: 97688 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-97669/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	97669
LCSD 880-97669/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	97669

Prep Batch: 97693

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7458-2	SW 13	Total/NA	Solid	8015NM Prep	
890-7458-3	SW 12	Total/NA	Solid	8015NM Prep	
890-7458-4	SW 14	Total/NA	Solid	8015NM Prep	
890-7458-5	FL 03 @ 1'	Total/NA	Solid	8015NM Prep	
890-7458-6	FL 04 @ 1'	Total/NA	Solid	8015NM Prep	
890-7458-7	SW 4	Total/NA	Solid	8015NM Prep	
890-7458-8	SW 5	Total/NA	Solid	8015NM Prep	
890-7458-9	FL 05 @ 2'	Total/NA	Solid	8015NM Prep	
MB 880-97693/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-97693/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-97693/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-7458-2 MS	SW 13	Total/NA	Solid	8015NM Prep	
890-7458-2 MSD	SW 13	Total/NA	Solid	8015NM Prep	

Prep Batch: 97696

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7458-10	FL 08 @ 4'	Total/NA	Solid	8015NM Prep	
890-7458-11	FL 09 @ 4'	Total/NA	Solid	8015NM Prep	
890-7458-12	FL 10 @ 4'	Total/NA	Solid	8015NM Prep	
890-7458-13	FL 11 @ 4'	Total/NA	Solid	8015NM Prep	
890-7458-14	FL 12 @ 4'	Total/NA	Solid	8015NM Prep	
890-7458-15	SW 08	Total/NA	Solid	8015NM Prep	
890-7458-16	SW 09	Total/NA	Solid	8015NM Prep	
890-7458-17	SW 10	Total/NA	Solid	8015NM Prep	
MB 880-97696/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-97696/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-97696/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-7458-10 MS	FL 08 @ 4'	Total/NA	Solid	8015NM Prep	
890-7458-10 MSD	FL 08 @ 4'	Total/NA	Solid	8015NM Prep	

Analysis Batch: 97768

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7458-1	SW 11	Total/NA	Solid	8015 NM	
890-7458-2	SW 13	Total/NA	Solid	8015 NM	
890-7458-3	SW 12	Total/NA	Solid	8015 NM	
890-7458-4	SW 14	Total/NA	Solid	8015 NM	
890-7458-5	FL 03 @ 1'	Total/NA	Solid	8015 NM	
890-7458-6	FL 04 @ 1'	Total/NA	Solid	8015 NM	
890-7458-7	SW 4	Total/NA	Solid	8015 NM	
890-7458-8	SW 5	Total/NA	Solid	8015 NM	
890-7458-9	FL 05 @ 2'	Total/NA	Solid	8015 NM	
890-7458-10	FL 08 @ 4'	Total/NA	Solid	8015 NM	
890-7458-11	FL 09 @ 4'	Total/NA	Solid	8015 NM	
890-7458-12	FL 10 @ 4'	Total/NA	Solid	8015 NM	
890-7458-13	FL 11 @ 4'	Total/NA	Solid	8015 NM	
890-7458-14	FL 12 @ 4'	Total/NA	Solid	8015 NM	

QC Association Summary

Client: CDH Consulting
Project/Site: JACKSON B - 29Y

Job ID: 890-7458-1

GC Semi VOA (Continued)

Analysis Batch: 97768 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7458-15	SW 08	Total/NA	Solid	8015 NM	
890-7458-16	SW 09	Total/NA	Solid	8015 NM	
890-7458-17	SW 10	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 97673

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7458-1	SW 11	Soluble	Solid	DI Leach	
890-7458-2	SW 13	Soluble	Solid	DI Leach	
890-7458-3	SW 12	Soluble	Solid	DI Leach	
890-7458-4	SW 14	Soluble	Solid	DI Leach	
890-7458-5	FL 03 @ 1'	Soluble	Solid	DI Leach	
890-7458-6	FL 04 @ 1'	Soluble	Solid	DI Leach	
890-7458-7	SW 4	Soluble	Solid	DI Leach	
890-7458-8	SW 5	Soluble	Solid	DI Leach	
890-7458-9	FL 05 @ 2'	Soluble	Solid	DI Leach	
890-7458-10	FL 08 @ 4'	Soluble	Solid	DI Leach	
890-7458-11	FL 09 @ 4'	Soluble	Solid	DI Leach	
890-7458-12	FL 10 @ 4'	Soluble	Solid	DI Leach	
890-7458-13	FL 11 @ 4'	Soluble	Solid	DI Leach	
890-7458-14	FL 12 @ 4'	Soluble	Solid	DI Leach	
890-7458-15	SW 08	Soluble	Solid	DI Leach	
890-7458-16	SW 09	Soluble	Solid	DI Leach	
890-7458-17	SW 10	Soluble	Solid	DI Leach	
MB 880-97673/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-97673/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-97673/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-7458-1 MS	SW 11	Soluble	Solid	DI Leach	
890-7458-1 MSD	SW 11	Soluble	Solid	DI Leach	
890-7458-11 MS	FL 09 @ 4'	Soluble	Solid	DI Leach	
890-7458-11 MSD	FL 09 @ 4'	Soluble	Solid	DI Leach	

Analysis Batch: 97684

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7458-1	SW 11	Soluble	Solid	300.0	97673
890-7458-2	SW 13	Soluble	Solid	300.0	97673
890-7458-3	SW 12	Soluble	Solid	300.0	97673
890-7458-4	SW 14	Soluble	Solid	300.0	97673
890-7458-5	FL 03 @ 1'	Soluble	Solid	300.0	97673
890-7458-6	FL 04 @ 1'	Soluble	Solid	300.0	97673
890-7458-7	SW 4	Soluble	Solid	300.0	97673
890-7458-8	SW 5	Soluble	Solid	300.0	97673
890-7458-9	FL 05 @ 2'	Soluble	Solid	300.0	97673
890-7458-10	FL 08 @ 4'	Soluble	Solid	300.0	97673
890-7458-11	FL 09 @ 4'	Soluble	Solid	300.0	97673
890-7458-12	FL 10 @ 4'	Soluble	Solid	300.0	97673
890-7458-13	FL 11 @ 4'	Soluble	Solid	300.0	97673
890-7458-14	FL 12 @ 4'	Soluble	Solid	300.0	97673
890-7458-15	SW 08	Soluble	Solid	300.0	97673
890-7458-16	SW 09	Soluble	Solid	300.0	97673

QC Association Summary

Client: CDH Consulting
Project/Site: JACKSON B - 29Y

Job ID: 890-7458-1

HPLC/IC (Continued)

Analysis Batch: 97684 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7458-17	SW 10	Soluble	Solid	300.0	97673
MB 880-97673/1-A	Method Blank	Soluble	Solid	300.0	97673
LCS 880-97673/2-A	Lab Control Sample	Soluble	Solid	300.0	97673
LCSD 880-97673/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	97673
890-7458-1 MS	SW 11	Soluble	Solid	300.0	97673
890-7458-1 MSD	SW 11	Soluble	Solid	300.0	97673
890-7458-11 MS	FL 09 @ 4'	Soluble	Solid	300.0	97673
890-7458-11 MSD	FL 09 @ 4'	Soluble	Solid	300.0	97673

Lab Chronicle

Client: CDH Consulting
Project/Site: JACKSON B - 29Y

Job ID: 890-7458-1

Client Sample ID: SW 11

Lab Sample ID: 890-7458-1
Matrix: Solid
Date Collected: 12/11/24 00:00
Date Received: 12/11/24 15:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			97682	MNR	EET MID	12/12/24 09:12
Total/NA	Analysis	8021B		1	97662	MNR	EET MID	12/12/24 13:05
Total/NA	Analysis	Total BTEX		1	97753	AJ	EET MID	12/12/24 13:05
Total/NA	Analysis	8015 NM		1	97768	AJ	EET MID	12/12/24 13:26
Total/NA	Prep	8015NM Prep			97669	EL	EET MID	12/12/24 08:17
Total/NA	Analysis	8015B NM		1	97688	TKC	EET MID	12/12/24 13:26
Soluble	Leach	DI Leach			97673	SA	EET MID	12/12/24 08:43
Soluble	Analysis	300.0		1	97684	CH	EET MID	12/12/24 12:04

Client Sample ID: SW 13

Lab Sample ID: 890-7458-2
Matrix: Solid
Date Collected: 12/11/24 07:26
Date Received: 12/11/24 15:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			97681	MNR	EET MID	12/12/24 09:01
Total/NA	Analysis	8021B		1	97664	MNR	EET MID	12/12/24 11:31
Total/NA	Analysis	Total BTEX		1	97753	AJ	EET MID	12/12/24 11:31
Total/NA	Analysis	8015 NM		1	97768	AJ	EET MID	12/12/24 11:25
Total/NA	Prep	8015NM Prep			97693	TKC	EET MID	12/12/24 09:27
Total/NA	Analysis	8015B NM		1	97676	TKC	EET MID	12/12/24 11:25
Soluble	Leach	DI Leach			97673	SA	EET MID	12/12/24 08:43
Soluble	Analysis	300.0		1	97684	CH	EET MID	12/12/24 12:21

Client Sample ID: SW 12

Lab Sample ID: 890-7458-3
Matrix: Solid
Date Collected: 12/11/24 07:30
Date Received: 12/11/24 15:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			97681	MNR	EET MID	12/12/24 09:01
Total/NA	Analysis	8021B		1	97664	MNR	EET MID	12/12/24 12:53
Total/NA	Analysis	Total BTEX		1	97753	AJ	EET MID	12/12/24 12:53
Total/NA	Analysis	8015 NM		1	97768	AJ	EET MID	12/12/24 12:12
Total/NA	Prep	8015NM Prep			97693	TKC	EET MID	12/12/24 09:27
Total/NA	Analysis	8015B NM		1	97676	TKC	EET MID	12/12/24 12:12
Soluble	Leach	DI Leach			97673	SA	EET MID	12/12/24 08:43
Soluble	Analysis	300.0		1	97684	CH	EET MID	12/12/24 12:27

Client Sample ID: SW 14

Lab Sample ID: 890-7458-4
Matrix: Solid
Date Collected: 12/11/24 07:35
Date Received: 12/11/24 15:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			97681	MNR	EET MID	12/12/24 09:01
Total/NA	Analysis	8021B		1	97664	MNR	EET MID	12/12/24 13:13
Total/NA	Analysis	Total BTEX		1	97753	AJ	EET MID	12/12/24 13:13

Lab Chronicle

Client: CDH Consulting
Project/Site: JACKSON B - 29Y

Job ID: 890-7458-1

Client Sample ID: SW 14

Lab Sample ID: 890-7458-4
Matrix: Solid
Date Collected: 12/11/24 07:35
Date Received: 12/11/24 15:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8015 NM		1	97768	AJ	EET MID	12/12/24 12:28
Total/NA	Prep	8015NM Prep			97693	TKC	EET MID	12/12/24 09:27
Total/NA	Analysis	8015B NM		1	97676	TKC	EET MID	12/12/24 12:28
Soluble	Leach	DI Leach			97673	SA	EET MID	12/12/24 08:43
Soluble	Analysis	300.0		5	97684	CH	EET MID	12/12/24 12:33

Client Sample ID: FL 03 @ 1'

Lab Sample ID: 890-7458-5
Matrix: Solid
Date Collected: 12/11/24 07:39
Date Received: 12/11/24 15:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			97681	MNR	EET MID	12/12/24 09:01
Total/NA	Analysis	8021B		1	97664	MNR	EET MID	12/12/24 13:34
Total/NA	Analysis	Total BTEX		1	97753	AJ	EET MID	12/12/24 13:34
Total/NA	Analysis	8015 NM		1	97768	AJ	EET MID	12/12/24 12:43
Total/NA	Prep	8015NM Prep			97693	TKC	EET MID	12/12/24 09:27
Total/NA	Analysis	8015B NM		1	97676	TKC	EET MID	12/12/24 12:43
Soluble	Leach	DI Leach			97673	SA	EET MID	12/12/24 08:43
Soluble	Analysis	300.0		5	97684	CH	EET MID	12/12/24 12:39

Client Sample ID: FL 04 @ 1'

Lab Sample ID: 890-7458-6
Matrix: Solid
Date Collected: 12/11/24 09:09
Date Received: 12/11/24 15:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			97681	MNR	EET MID	12/12/24 09:01
Total/NA	Analysis	8021B		1	97664	MNR	EET MID	12/12/24 13:54
Total/NA	Analysis	Total BTEX		1	97753	AJ	EET MID	12/12/24 13:54
Total/NA	Analysis	8015 NM		1	97768	AJ	EET MID	12/12/24 12:59
Total/NA	Prep	8015NM Prep			97693	TKC	EET MID	12/12/24 09:27
Total/NA	Analysis	8015B NM		1	97676	TKC	EET MID	12/12/24 12:59
Soluble	Leach	DI Leach			97673	SA	EET MID	12/12/24 08:43
Soluble	Analysis	300.0		1	97684	CH	EET MID	12/12/24 12:57

Client Sample ID: SW 4

Lab Sample ID: 890-7458-7
Matrix: Solid
Date Collected: 12/11/24 09:15
Date Received: 12/11/24 15:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			97681	MNR	EET MID	12/12/24 09:01
Total/NA	Analysis	8021B		1	97664	MNR	EET MID	12/12/24 14:15
Total/NA	Analysis	Total BTEX		1	97753	AJ	EET MID	12/12/24 14:15
Total/NA	Analysis	8015 NM		1	97768	AJ	EET MID	12/12/24 13:15
Total/NA	Prep	8015NM Prep			97693	TKC	EET MID	12/12/24 09:27
Total/NA	Analysis	8015B NM		1	97676	TKC	EET MID	12/12/24 13:15

Lab Chronicle

Client: CDH Consulting
Project/Site: JACKSON B - 29Y

Job ID: 890-7458-1

Client Sample ID: SW 4

Lab Sample ID: 890-7458-7
Matrix: Solid
Date Collected: 12/11/24 09:15
Date Received: 12/11/24 15:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Soluble	Leach	DI Leach			97673	SA	EET MID	12/12/24 08:43
Soluble	Analysis	300.0		1	97684	CH	EET MID	12/12/24 13:03

Client Sample ID: SW 5

Lab Sample ID: 890-7458-8
Matrix: Solid
Date Collected: 12/11/24 09:25
Date Received: 12/11/24 15:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			97681	MNR	EET MID	12/12/24 09:01
Total/NA	Analysis	8021B		1	97664	MNR	EET MID	12/12/24 14:35
Total/NA	Analysis	Total BTEX		1	97753	AJ	EET MID	12/12/24 14:35
Total/NA	Analysis	8015 NM		1	97768	AJ	EET MID	12/12/24 13:31
Total/NA	Prep	8015NM Prep			97693	TKC	EET MID	12/12/24 09:27
Total/NA	Analysis	8015B NM		1	97676	TKC	EET MID	12/12/24 13:31
Soluble	Leach	DI Leach			97673	SA	EET MID	12/12/24 08:43
Soluble	Analysis	300.0		1	97684	CH	EET MID	12/12/24 13:09

Client Sample ID: FL 05 @ 2'

Lab Sample ID: 890-7458-9
Matrix: Solid
Date Collected: 12/11/24 11:01
Date Received: 12/11/24 15:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			97671	MNR	EET MID	12/12/24 08:29
Total/NA	Analysis	8021B		1	97674	MNR	EET MID	12/12/24 13:00
Total/NA	Analysis	Total BTEX		1	97753	AJ	EET MID	12/12/24 13:00
Total/NA	Analysis	8015 NM		1	97768	AJ	EET MID	12/12/24 13:47
Total/NA	Prep	8015NM Prep			97693	TKC	EET MID	12/12/24 09:27
Total/NA	Analysis	8015B NM		1	97676	TKC	EET MID	12/12/24 13:47
Soluble	Leach	DI Leach			97673	SA	EET MID	12/12/24 08:43
Soluble	Analysis	300.0		1	97684	CH	EET MID	12/12/24 13:14

Client Sample ID: FL 08 @ 4'

Lab Sample ID: 890-7458-10
Matrix: Solid
Date Collected: 12/11/24 09:57
Date Received: 12/11/24 15:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			97671	MNR	EET MID	12/12/24 08:29
Total/NA	Analysis	8021B		1	97674	MNR	EET MID	12/12/24 13:21
Total/NA	Analysis	Total BTEX		1	97753	AJ	EET MID	12/12/24 13:21
Total/NA	Analysis	8015 NM		1	97768	AJ	EET MID	12/12/24 11:25
Total/NA	Prep	8015NM Prep			97696	TKC	EET MID	12/12/24 09:29
Total/NA	Analysis	8015B NM		1	97678	TKC	EET MID	12/12/24 11:25
Soluble	Leach	DI Leach			97673	SA	EET MID	12/12/24 08:43
Soluble	Analysis	300.0		1	97684	CH	EET MID	12/12/24 13:20

Lab Chronicle

Client: CDH Consulting
Project/Site: JACKSON B - 29Y

Job ID: 890-7458-1

Client Sample ID: FL 09 @ 4'

Lab Sample ID: 890-7458-11
Date Collected: 12/11/24 10:21
Matrix: Solid
Date Received: 12/11/24 15:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			97671	MNR	EET MID	12/12/24 08:29
Total/NA	Analysis	8021B		1	97674	MNR	EET MID	12/12/24 13:41
Total/NA	Analysis	Total BTEX		1	97753	AJ	EET MID	12/12/24 13:41
Total/NA	Analysis	8015 NM		1	97768	AJ	EET MID	12/12/24 12:12
Total/NA	Prep	8015NM Prep			97696	TKC	EET MID	12/12/24 09:29
Total/NA	Analysis	8015B NM		1	97678	TKC	EET MID	12/12/24 12:12
Soluble	Leach	DI Leach			97673	SA	EET MID	12/12/24 08:43
Soluble	Analysis	300.0		10	97684	CH	EET MID	12/12/24 13:26

Client Sample ID: FL 10 @ 4'

Lab Sample ID: 890-7458-12
Date Collected: 12/11/24 10:29
Matrix: Solid
Date Received: 12/11/24 15:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			97671	MNR	EET MID	12/12/24 08:29
Total/NA	Analysis	8021B		1	97674	MNR	EET MID	12/12/24 14:01
Total/NA	Analysis	Total BTEX		1	97753	AJ	EET MID	12/12/24 14:01
Total/NA	Analysis	8015 NM		1	97768	AJ	EET MID	12/12/24 12:28
Total/NA	Prep	8015NM Prep			97696	TKC	EET MID	12/12/24 09:29
Total/NA	Analysis	8015B NM		1	97678	TKC	EET MID	12/12/24 12:28
Soluble	Leach	DI Leach			97673	SA	EET MID	12/12/24 08:43
Soluble	Analysis	300.0		5	97684	CH	EET MID	12/12/24 13:44

Client Sample ID: FL 11 @ 4'

Lab Sample ID: 890-7458-13
Date Collected: 12/11/24 10:32
Matrix: Solid
Date Received: 12/11/24 15:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			97671	MNR	EET MID	12/12/24 08:29
Total/NA	Analysis	8021B		1	97674	MNR	EET MID	12/12/24 14:22
Total/NA	Analysis	Total BTEX		1	97753	AJ	EET MID	12/12/24 14:22
Total/NA	Analysis	8015 NM		1	97768	AJ	EET MID	12/12/24 12:43
Total/NA	Prep	8015NM Prep			97696	TKC	EET MID	12/12/24 09:29
Total/NA	Analysis	8015B NM		1	97678	TKC	EET MID	12/12/24 12:43
Soluble	Leach	DI Leach			97673	SA	EET MID	12/12/24 08:43
Soluble	Analysis	300.0		5	97684	CH	EET MID	12/12/24 13:50

Client Sample ID: FL 12 @ 4'

Lab Sample ID: 890-7458-14
Date Collected: 12/11/24 10:43
Matrix: Solid
Date Received: 12/11/24 15:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			97671	MNR	EET MID	12/12/24 08:29
Total/NA	Analysis	8021B		1	97674	MNR	EET MID	12/12/24 14:42
Total/NA	Analysis	Total BTEX		1	97753	AJ	EET MID	12/12/24 14:42

Lab Chronicle

Client: CDH Consulting
Project/Site: JACKSON B - 29Y

Job ID: 890-7458-1

Client Sample ID: FL 12 @ 4'

Lab Sample ID: 890-7458-14
Date Collected: 12/11/24 10:43
Matrix: Solid
Date Received: 12/11/24 15:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8015 NM		1	97768	AJ	EET MID	12/12/24 12:59
Total/NA	Prep	8015NM Prep			97696	TKC	EET MID	12/12/24 09:29
Total/NA	Analysis	8015B NM		1	97678	TKC	EET MID	12/12/24 12:59
Soluble	Leach	DI Leach			97673	SA	EET MID	12/12/24 08:43
Soluble	Analysis	300.0		10	97684	CH	EET MID	12/12/24 14:08

Client Sample ID: SW 08

Lab Sample ID: 890-7458-15
Date Collected: 12/11/24 10:51
Matrix: Solid
Date Received: 12/11/24 15:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			97671	MNR	EET MID	12/12/24 08:29
Total/NA	Analysis	8021B		1	97674	MNR	EET MID	12/12/24 15:03
Total/NA	Analysis	Total BTEX		1	97753	AJ	EET MID	12/12/24 15:03
Total/NA	Analysis	8015 NM		1	97768	AJ	EET MID	12/12/24 13:15
Total/NA	Prep	8015NM Prep			97696	TKC	EET MID	12/12/24 09:29
Total/NA	Analysis	8015B NM		1	97678	TKC	EET MID	12/12/24 13:15
Soluble	Leach	DI Leach			97673	SA	EET MID	12/12/24 08:43
Soluble	Analysis	300.0		5	97684	CH	EET MID	12/12/24 14:13

Client Sample ID: SW 09

Lab Sample ID: 890-7458-16
Date Collected: 12/11/24 11:12
Matrix: Solid
Date Received: 12/11/24 15:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			97685	MNR	EET MID	12/12/24 09:18
Total/NA	Analysis	8021B		1	97700	MNR	EET MID	12/12/24 12:02
Total/NA	Analysis	Total BTEX		1	97753	AJ	EET MID	12/12/24 12:02
Total/NA	Analysis	8015 NM		1	97768	AJ	EET MID	12/12/24 13:31
Total/NA	Prep	8015NM Prep			97696	TKC	EET MID	12/12/24 09:29
Total/NA	Analysis	8015B NM		1	97678	TKC	EET MID	12/12/24 13:31
Soluble	Leach	DI Leach			97673	SA	EET MID	12/12/24 08:43
Soluble	Analysis	300.0		1	97684	CH	EET MID	12/12/24 14:19

Client Sample ID: SW 10

Lab Sample ID: 890-7458-17
Date Collected: 12/11/24 13:52
Matrix: Solid
Date Received: 12/11/24 15:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			97685	MNR	EET MID	12/12/24 09:18
Total/NA	Analysis	8021B		1	97700	MNR	EET MID	12/12/24 12:22
Total/NA	Analysis	Total BTEX		1	97753	AJ	EET MID	12/12/24 12:22
Total/NA	Analysis	8015 NM		1	97768	AJ	EET MID	12/12/24 13:47
Total/NA	Prep	8015NM Prep			97696	TKC	EET MID	12/12/24 09:29
Total/NA	Analysis	8015B NM		1	97678	TKC	EET MID	12/12/24 13:47

Lab Chronicle

Client: CDH Consulting
Project/Site: JACKSON B - 29Y

Job ID: 890-7458-1

Client Sample ID: SW 10

Date Collected: 12/11/24 13:52
Date Received: 12/11/24 15:10

Lab Sample ID: 890-7458-17

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Soluble	Leach	DI Leach			97673	SA	EET MID	12/12/24 08:43
Soluble	Analysis	300.0		1	97684	CH	EET MID	12/12/24 14:25

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: JACKSON B - 29Y

Job ID: 890-7458-1

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: JACKSON B - 29Y

Job ID: 890-7458-1

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: JACKSON B - 29Y

Job ID: 890-7458-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-7458-1	SW 11	Solid	12/11/24 00:00	12/11/24 15:10	
890-7458-2	SW 13	Solid	12/11/24 07:26	12/11/24 15:10	
890-7458-3	SW 12	Solid	12/11/24 07:30	12/11/24 15:10	
890-7458-4	SW 14	Solid	12/11/24 07:35	12/11/24 15:10	
890-7458-5	FL 03 @ 1'	Solid	12/11/24 07:39	12/11/24 15:10	2'
890-7458-6	FL 04 @ 1'	Solid	12/11/24 09:09	12/11/24 15:10	2'
890-7458-7	SW 4	Solid	12/11/24 09:15	12/11/24 15:10	
890-7458-8	SW 5	Solid	12/11/24 09:25	12/11/24 15:10	
890-7458-9	FL 05 @ 2'	Solid	12/11/24 11:01	12/11/24 15:10	2'
890-7458-10	FL 08 @ 4'	Solid	12/11/24 09:57	12/11/24 15:10	4'
890-7458-11	FL 09 @ 4'	Solid	12/11/24 10:21	12/11/24 15:10	4'
890-7458-12	FL 10 @ 4'	Solid	12/11/24 10:29	12/11/24 15:10	4'
890-7458-13	FL 11 @ 4'	Solid	12/11/24 10:32	12/11/24 15:10	4'
890-7458-14	FL 12 @ 4'	Solid	12/11/24 10:43	12/11/24 15:10	4'
890-7458-15	SW 08	Solid	12/11/24 10:51	12/11/24 15:10	
890-7458-16	SW 09	Solid	12/11/24 11:12	12/11/24 15:10	
890-7458-17	SW 10	Solid	12/11/24 13:52	12/11/24 15:10	

Released to Imaging: 6/16/2025 4:35:04 PM

Received by OCD: 3/17/2025 8:23:03 AM

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 2

Project Manager:	Michael Wicker	Bill to: (if different)	
Company Name:	CDH Consulting llc	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:	Jackson B-29Y	Turn Around	☐ Routine ☑ Rush
Project Number:		Due Date:	12-12-24
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:	TN/NOC	
Cooler Custody Seals:	Yes No N/A	Correction Factor:	0.2	
Sample Custody Seals:	Yes No N/A	Temperature Reading:	1.4	
Total Containers:		Corrected Temperature:	1.2	

ANALYSIS REQUEST

Pres. Code / Parameters: VM - BaDOG

890-7458 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	VM - BaDOG	Sample Comments
SW11	S	12-11-24	7:26		Comp	1	✓	
SW13	S	12-11-2024	7:30		Comp	1	✓	
SW12	S	12-11-2024	7:35		Comp	1	✓	
SW14	S	12-11-2024	7:39		Comp	1	✓	
FLO3@1'	S	12-11-2024	9:09	1'	Comp	1	✓	
FLO4@1'	S	12-11-2024	9:15	1'	Comp	1	✓	
SW4	S	12-11-2024	9:25		Comp	1	✓	
SW5	S	12-11-2024	11:01		Comp	1	✓	
FLO5@2'	S	12-11-2024	9:57	2'	Comp	1	✓	
FLO8@4'	S	12-11-2024	10:21	4'	Comp	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	[signature]	12/11 15:10	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Released to Imaging: 6/16/2025 4:35:04 PM

Received by OCD: 3/17/2025 8:23:03 AM

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 2 of 2

Project Manager:	Michael Wicker	Bill to: (if different)	
Company Name:	CDH Consulting	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:	Jackson B-29Y	Turn Around	
Project Number:		☐ Routine ☑ Rush	
Project Location:	Loco Hills, NM	Due Date:	12-12-24
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:	Taylor
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.2
Sample Custody Seals:	Yes No N/A	Temperature Reading:	1.4
Total Containers:		Corrected Temperature:	1.2

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: NM-BGDOC	Sample Comments
FL09@4'	S	12/11/2024	10:29	4'	Comp	1		✓	
FL10@4'	S	12/11/2024	10:32	4'	Comp	1		✓	
FL11@4'	S	12/11/2024	10:43	4'	Comp	1		✓	
FL12@4'	S	12/11/2024	10:51	4'	Comp	1		✓	
SW08	S	12/11/2024	11:12		Comp	1		✓	
SW09	S	12/11/2024	13:45		Comp	1		✓	
SW10	S	12/11/2024	13:52		Comp	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	[signature]	12/11 1510	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Login Sample Receipt Checklist

Client: CDH Consulting

Job Number: 890-7458-1

Login Number: 7458
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: 890-7458-1

Login Number: 7458
List Number: 2
Creator: Laing, Edmundo

List Source: Eurofins Midland
List Creation: 12/12/24 07:51 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	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 12/13/2024 3:35:20 PM

JOB DESCRIPTION

JACKSON B-29Y

JOB NUMBER

890-7466-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

Released to Imaging: 6/16/2025 4:33:04 PM

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
12/13/2024 3:35:20 PM

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

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Definitions/Glossary

Client: CDH Consulting
Job ID: 890-7466-1
Project/Site: JACKSON B-29Y

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
S1-	Surrogate recovery exceeds control limits, low biased.
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: JACKSON B-29Y

Job ID: 890-7466-1

Job ID: 890-7466-1 Eurofins Carlsbad

Job Narrative
890-7466-1

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 12/12/2024 1:00 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 9.6°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 matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-97819 and analytical batch 880-97844 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: FL02@4' (890-7466-1), SW02 (890-7466-2) and SW03 (890-7466-3). 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: JACKSON B-29Y

Job ID: 890-7466-1

Client Sample ID: FL02@4'

Lab Sample ID: 890-7466-1
Matrix: Solid

Date Collected: 12/12/24 10:19
Date Received: 12/12/24 13:00
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		12/12/24 16:00	12/13/24 11:48	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/12/24 16:00	12/13/24 11:48	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/12/24 16:00	12/13/24 11:48	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		12/12/24 16:00	12/13/24 11:48	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		12/12/24 16:00	12/13/24 11:48	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/12/24 16:00	12/13/24 11:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*12/12/24 16:00*	*12/13/24 11:48*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*12/12/24 16:00*	*12/13/24 11:48*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			12/13/24 11:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/13/24 13:39	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	<50.0	U	50.0		mg/Kg		12/13/24 09:37	12/13/24 13:39	1
Diesel Range Organics (Over C10-C28)	<50.0	U F1	50.0		mg/Kg		12/13/24 09:37	12/13/24 13:39	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/13/24 09:37	12/13/24 13:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*72*		*70 - 130*	*12/13/24 09:37*	*12/13/24 13:39*	*1*
o-Terphenyl	*65*	*S1-*	*70 - 130*	*12/13/24 09:37*	*12/13/24 13:39*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1130**		49.8		mg/Kg			12/13/24 11:41	5

Client Sample ID: SW02

Lab Sample ID: 890-7466-2
Matrix: Solid

Date Collected: 12/12/24 10:59
Date Received: 12/12/24 13:00

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		12/12/24 16:00	12/13/24 12:08	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		12/12/24 16:00	12/13/24 12:08	1
Toluene	<0.00202	U	0.00202		mg/Kg		12/12/24 16:00	12/13/24 12:08	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		12/12/24 16:00	12/13/24 12:08	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		12/12/24 16:00	12/13/24 12:08	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		12/12/24 16:00	12/13/24 12:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*12/12/24 16:00*	*12/13/24 12:08*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*12/12/24 16:00*	*12/13/24 12:08*	*1*

Client Sample Results

Client: CDH Consulting
Project/Site: JACKSON B-29Y

Job ID: 890-7466-1

Client Sample ID: SW02

Lab Sample ID: 890-7466-2
Date Collected: 12/12/24 10:59
Matrix: Solid
Date Received: 12/12/24 13:00

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			12/13/24 12:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			12/13/24 14:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		12/13/24 09:37	12/13/24 14:50	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/13/24 09:37	12/13/24 14:50	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/13/24 09:37	12/13/24 14:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*78*		*70 - 130*	*12/13/24 09:37*	*12/13/24 14:50*	*1*
o-Terphenyl	*67*	*S1-*	*70 - 130*	*12/13/24 09:37*	*12/13/24 14:50*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1480**		49.9		mg/Kg			12/13/24 11:46	5

Client Sample ID: SW03

Lab Sample ID: 890-7466-3
Date Collected: 12/12/24 07:43
Matrix: Solid
Date Received: 12/12/24 13:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/12/24 16:00	12/13/24 12:29	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/12/24 16:00	12/13/24 12:29	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/12/24 16:00	12/13/24 12:29	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/12/24 16:00	12/13/24 12:29	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/12/24 16:00	12/13/24 12:29	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/12/24 16:00	12/13/24 12:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*12/12/24 16:00*	*12/13/24 12:29*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*12/12/24 16:00*	*12/13/24 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			12/13/24 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			12/13/24 15:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/13/24 09:37	12/13/24 15:06	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/13/24 09:37	12/13/24 15:06	1

Client Sample Results

Client: CDH Consulting
Project/Site: JACKSON B-29Y

Job ID: 890-7466-1

Client Sample ID: SW03

Lab Sample ID: 890-7466-3

Date Collected: 12/12/24 07:43
Matrix: Solid
Date Received: 12/12/24 13:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/13/24 09:37	12/13/24 15:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*75*		*70 - 130*	*12/13/24 09:37*	*12/13/24 15:06*	*1*
o-Terphenyl	*64*	*S1-*	*70 - 130*	*12/13/24 09:37*	*12/13/24 15:06*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**392**		10.1		mg/Kg			12/13/24 11:51	1

Surrogate Summary

Client: CDH Consulting
Project/Site: JACKSON B-29Y

Job ID: 890-7466-1

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)
890-7466-1	FL02@4'	101	100
890-7466-1 MS	FL02@4'	102	101
890-7466-1 MSD	FL02@4'	98	102
890-7466-2	SW02	96	102
890-7466-3	SW03	97	102
LCS 880-97774/1-A	Lab Control Sample	99	100
LCSD 880-97774/2-A	Lab Control Sample Dup	100	100
MB 880-97774/5-A	Method Blank	96	95

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)
890-7466-1	FL02@4'	72	65 S1-
890-7466-1 MS	FL02@4'	91	71
890-7466-1 MSD	FL02@4'	92	73
890-7466-2	SW02	78	67 S1-
890-7466-3	SW03	75	64 S1-
LCS 880-97819/2-A	Lab Control Sample	121	103
LCSD 880-97819/3-A	Lab Control Sample Dup	117	95

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: CDH Consulting
Project/Site: JACKSON B-29Y

Job ID: 890-7466-1

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-97774/5-A
Matrix: Solid
Analysis Batch: 97791

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 97774

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/12/24 16:00	12/13/24 11:26	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/12/24 16:00	12/13/24 11:26	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/12/24 16:00	12/13/24 11:26	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/12/24 16:00	12/13/24 11:26	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/12/24 16:00	12/13/24 11:26	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/12/24 16:00	12/13/24 11:26	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*12/12/24 16:00*	*12/13/24 11:26*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*12/12/24 16:00*	*12/13/24 11:26*	*1*

Lab Sample ID: LCS 880-97774/1-A
Matrix: Solid
Analysis Batch: 97791

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 97774

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1130		mg/Kg		113	70 - 130
Ethylbenzene	0.100	0.1054		mg/Kg		105	70 - 130
Toluene	0.100	0.1106		mg/Kg		111	70 - 130
m-Xylene & p-Xylene	0.200	0.2035		mg/Kg		102	70 - 130
o-Xylene	0.100	0.1131		mg/Kg		113	70 - 130

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

Lab Sample ID: LCSD 880-97774/2-A
Matrix: Solid
Analysis Batch: 97791

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 97774

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1211		mg/Kg		121	70 - 130	7	35
Ethylbenzene	0.100	0.1128		mg/Kg		113	70 - 130	7	35
Toluene	0.100	0.1176		mg/Kg		118	70 - 130	6	35
m-Xylene & p-Xylene	0.200	0.2190		mg/Kg		110	70 - 130	7	35
o-Xylene	0.100	0.1207		mg/Kg		121	70 - 130	7	35

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

Lab Sample ID: 890-7466-1 MS
Matrix: Solid
Analysis Batch: 97791

Client Sample ID: FL02@4'
Prep Type: Total/NA
Prep Batch: 97774

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.101	0.1144		mg/Kg		113	70 - 130
Ethylbenzene	<0.00200	U	0.101	0.1051		mg/Kg		104	70 - 130

QC Sample Results

Client: CDH Consulting
Project/Site: JACKSON B-29Y

Job ID: 890-7466-1

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

Lab Sample ID: 890-7466-1 MS — **Client Sample ID: FL02@4'**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 97791 — **Prep Batch: 97774**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Toluene	<0.00200	U	0.101	0.1101		mg/Kg		109	70 - 130
m-Xylene & p-Xylene	<0.00401	U	0.202	0.2012		mg/Kg		100	70 - 130
o-Xylene	<0.00200	U	0.101	0.1097		mg/Kg		109	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*

Lab Sample ID: 890-7466-1 MSD — **Client Sample ID: FL02@4'**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 97791 — **Prep Batch: 97774**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.0998	0.1152		mg/Kg		115	70 - 130	1	35
Ethylbenzene	<0.00200	U	0.0998	0.1041		mg/Kg		104	70 - 130	1	35
Toluene	<0.00200	U	0.0998	0.1098		mg/Kg		110	70 - 130	0	35
m-Xylene & p-Xylene	<0.00401	U	0.200	0.2005		mg/Kg		100	70 - 130	0	35
o-Xylene	<0.00200	U	0.0998	0.1102		mg/Kg		110	70 - 130	1	35

Surrogate	*MSD %Recovery*	*MSD 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: LCS 880-97819/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 97844 — **Prep Batch: 97819**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1143		mg/Kg		114	70 - 130
Diesel Range Organics (Over C10-C28)	1000	966.1		mg/Kg		97	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*121*		*70 - 130*
o-Terphenyl	*103*		*70 - 130*

Lab Sample ID: LCSD 880-97819/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 97844 — **Prep Batch: 97819**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1193		mg/Kg		119	70 - 130	4	20
Diesel Range Organics (Over C10-C28)	1000	904.1		mg/Kg		90	70 - 130	7	20

QC Sample Results

Client: CDH Consulting
Project/Site: JACKSON B-29Y

Job ID: 890-7466-1

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

Lab Sample ID: LCSD 880-97819/3-A
Matrix: Solid
Analysis Batch: 97844

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 97819

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	117		70 - 130
o-Terphenyl	95		70 - 130

Lab Sample ID: 890-7466-1 MS
Matrix: Solid
Analysis Batch: 97844

Client Sample ID: FL02@4'
Prep Type: Total/NA
Prep Batch: 97819

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	999	899.3		mg/Kg		90	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U F1	999	660.4	F1	mg/Kg		64	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	91		70 - 130
o-Terphenyl	71		70 - 130

Lab Sample ID: 890-7466-1 MSD
Matrix: Solid
Analysis Batch: 97844

Client Sample ID: FL02@4'
Prep Type: Total/NA
Prep Batch: 97819

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	999	907.6		mg/Kg		91	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<50.0	U F1	999	666.1	F1	mg/Kg		65	70 - 130	1	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	92		70 - 130
o-Terphenyl	73		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-97788/1-A
Matrix: Solid
Analysis Batch: 97814

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			12/13/24 09:23	1

Lab Sample ID: LCS 880-97788/2-A
Matrix: Solid
Analysis Batch: 97814

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	237.4		mg/Kg		95	90 - 110

QC Sample Results

Client: CDH Consulting
Project/Site: JACKSON B-29Y

Job ID: 890-7466-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 880-97788/3-A
Matrix: Solid
Analysis Batch: 97814

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	237.5		mg/Kg		95	90 - 110	0	20

QC Association Summary

Client: CDH Consulting
Project/Site: JACKSON B-29Y

Job ID: 890-7466-1

GC VOA

Prep Batch: 97774

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7466-1	FL02@4'	Total/NA	Solid	5035	
890-7466-2	SW02	Total/NA	Solid	5035	
890-7466-3	SW03	Total/NA	Solid	5035	
MB 880-97774/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-97774/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-97774/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-7466-1 MS	FL02@4'	Total/NA	Solid	5035	
890-7466-1 MSD	FL02@4'	Total/NA	Solid	5035	

Analysis Batch: 97791

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7466-1	FL02@4'	Total/NA	Solid	8021B	97774
890-7466-2	SW02	Total/NA	Solid	8021B	97774
890-7466-3	SW03	Total/NA	Solid	8021B	97774
MB 880-97774/5-A	Method Blank	Total/NA	Solid	8021B	97774
LCS 880-97774/1-A	Lab Control Sample	Total/NA	Solid	8021B	97774
LCSD 880-97774/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	97774
890-7466-1 MS	FL02@4'	Total/NA	Solid	8021B	97774
890-7466-1 MSD	FL02@4'	Total/NA	Solid	8021B	97774

Analysis Batch: 97859

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7466-1	FL02@4'	Total/NA	Solid	Total BTEX	
890-7466-2	SW02	Total/NA	Solid	Total BTEX	
890-7466-3	SW03	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 97819

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7466-1	FL02@4'	Total/NA	Solid	8015NM Prep	
890-7466-2	SW02	Total/NA	Solid	8015NM Prep	
890-7466-3	SW03	Total/NA	Solid	8015NM Prep	
LCS 880-97819/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-97819/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-7466-1 MS	FL02@4'	Total/NA	Solid	8015NM Prep	
890-7466-1 MSD	FL02@4'	Total/NA	Solid	8015NM Prep	

Analysis Batch: 97844

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7466-1	FL02@4'	Total/NA	Solid	8015B NM	97819
890-7466-2	SW02	Total/NA	Solid	8015B NM	97819
890-7466-3	SW03	Total/NA	Solid	8015B NM	97819
LCS 880-97819/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	97819
LCSD 880-97819/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	97819
890-7466-1 MS	FL02@4'	Total/NA	Solid	8015B NM	97819
890-7466-1 MSD	FL02@4'	Total/NA	Solid	8015B NM	97819

Analysis Batch: 97876

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7466-1	FL02@4'	Total/NA	Solid	8015 NM	

QC Association Summary

Client: CDH Consulting
Project/Site: JACKSON B-29Y

Job ID: 890-7466-1

GC Semi VOA (Continued)

Analysis Batch: 97876 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7466-2	SW02	Total/NA	Solid	8015 NM	
890-7466-3	SW03	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 97788

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7466-1	FL02@4'	Soluble	Solid	DI Leach	
890-7466-2	SW02	Soluble	Solid	DI Leach	
890-7466-3	SW03	Soluble	Solid	DI Leach	
MB 880-97788/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-97788/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-97788/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 97814

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7466-1	FL02@4'	Soluble	Solid	300.0	97788
890-7466-2	SW02	Soluble	Solid	300.0	97788
890-7466-3	SW03	Soluble	Solid	300.0	97788
MB 880-97788/1-A	Method Blank	Soluble	Solid	300.0	97788
LCS 880-97788/2-A	Lab Control Sample	Soluble	Solid	300.0	97788
LCSD 880-97788/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	97788

Lab Chronicle

Client: CDH Consulting
Project/Site: JACKSON B-29Y

Job ID: 890-7466-1

Client Sample ID: FL02@4'

Lab Sample ID: 890-7466-1
Matrix: Solid

Date Collected: 12/12/24 10:19
Date Received: 12/12/24 13:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			97774	MNR	EET MID	12/12/24 16:00
Total/NA	Analysis	8021B		1	97791	MNR	EET MID	12/13/24 11:48
Total/NA	Analysis	Total BTEX		1	97859	AJ	EET MID	12/13/24 11:48
Total/NA	Analysis	8015 NM		1	97876	AJ	EET MID	12/13/24 13:39
Total/NA	Prep	8015NM Prep			97819	EL	EET MID	12/13/24 09:37
Total/NA	Analysis	8015B NM		1	97844	TKC	EET MID	12/13/24 13:39
Soluble	Leach	DI Leach			97788	SA	EET MID	12/13/24 07:53
Soluble	Analysis	300.0		5	97814	CH	EET MID	12/13/24 11:41

Client Sample ID: SW02

Lab Sample ID: 890-7466-2
Matrix: Solid

Date Collected: 12/12/24 10:59
Date Received: 12/12/24 13:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			97774	MNR	EET MID	12/12/24 16:00
Total/NA	Analysis	8021B		1	97791	MNR	EET MID	12/13/24 12:08
Total/NA	Analysis	Total BTEX		1	97859	AJ	EET MID	12/13/24 12:08
Total/NA	Analysis	8015 NM		1	97876	AJ	EET MID	12/13/24 14:50
Total/NA	Prep	8015NM Prep			97819	EL	EET MID	12/13/24 09:37
Total/NA	Analysis	8015B NM		1	97844	TKC	EET MID	12/13/24 14:50
Soluble	Leach	DI Leach			97788	SA	EET MID	12/13/24 07:53
Soluble	Analysis	300.0		5	97814	CH	EET MID	12/13/24 11:46

Client Sample ID: SW03

Lab Sample ID: 890-7466-3
Matrix: Solid

Date Collected: 12/12/24 07:43
Date Received: 12/12/24 13:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			97774	MNR	EET MID	12/12/24 16:00
Total/NA	Analysis	8021B		1	97791	MNR	EET MID	12/13/24 12:29
Total/NA	Analysis	Total BTEX		1	97859	AJ	EET MID	12/13/24 12:29
Total/NA	Analysis	8015 NM		1	97876	AJ	EET MID	12/13/24 15:06
Total/NA	Prep	8015NM Prep			97819	EL	EET MID	12/13/24 09:37
Total/NA	Analysis	8015B NM		1	97844	TKC	EET MID	12/13/24 15:06
Soluble	Leach	DI Leach			97788	SA	EET MID	12/13/24 07:53
Soluble	Analysis	300.0		1	97814	CH	EET MID	12/13/24 11:51

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: JACKSON B-29Y

Job ID: 890-7466-1

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: JACKSON B-29Y

Job ID: 890-7466-1

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: JACKSON B-29Y

Job ID: 890-7466-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-7466-1	FL02@4'	Solid	12/12/24 10:19	12/12/24 13:00	4
890-7466-2	SW02	Solid	12/12/24 10:59	12/12/24 13:00	
890-7466-3	SW03	Solid	12/12/24 07:43	12/12/24 13:00	

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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 Wicker	Bill to: (if different)	
Company Name:	CDH Consulting	Company Name:	
Address:		Address:	
City, State ZIP:		City, State ZIP:	
Phone:	616-970-8459	Email:	Mwicker@cdhconsult.com

Program: US
State of Proj
Reporting: Le
Deliverables:

890-7466 Chain of Custody

Project Name:	Jackson B-29Y	Turn Around	☐ Routine ☑ Rush
Project Number:		Pres. Code	
Project Location:	Loco Hills, NM	Due Date:	12-13-2024
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:	Tyrnee 7	
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2	
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	9.8	
Total Containers:		Corrected Temperature:	9.6	

ANALYSIS REQUEST

Parameters: NM-8BDOC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	NM-8BDOC	Sample Comments
FL02@4'	S	12-12-2024	10:19	4	Comp	1	✓	
SW02	S	12-12-2024	10:59		Comp	1	✓	
SW03	S	12-12-2024	7:43		Comp	1	✓	

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	

~~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

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 Dakotah Cueto	[illegible]	13:00 12/12			
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

12/13/2024

Received by OCD: 3/17/2025 8:23:03 AM

Released to Imaging: 6/16/2025 4:35:04 PM

Login Sample Receipt Checklist

Client: CDH Consulting

Job Number: 890-7466-1

Login Number: 7466
List Number: 1
Creator: Lopez, Abraham

List Source: Eurofins Carlsbad

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

Login Sample Receipt Checklist

Client: CDH Consulting

Job Number: 890-7466-1

Login Number: 7466
List Number: 2
Creator: Vasquez, Julisa

List Source: Eurofins Midland
List Creation: 12/13/24 08:02 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 12/16/2024 3:44:23 PM

JOB DESCRIPTION

JACKSON B - 29Y
LOCO HILLS

JOB NUMBER

890-7471-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

Released to Imaging: 6/16/2025 4:33:04 PM

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
12/16/2024 3:44:23 PM

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

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Definitions/Glossary

Client: CDH Consulting
Project/Site: JACKSON B - 29Y

Job ID: 890-7471-1
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, 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: JACKSON B - 29Y

Job ID: 890-7471-1

Job ID: 890-7471-1 Eurofins Carlsbad

Job Narrative
890-7471-1

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 12/13/2024 11:49 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.6°C.

Receipt Exceptions
The following sample was received and analyzed from an unpreserved bulk soil jar: SW 10 (890-7471-1).

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: The surrogate recovery for the blank associated with preparation batch 880-97706 and analytical batch 880-97954 was outside the 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: JACKSON B - 29Y

Job ID: 890-7471-1
SDG: LOCO HILLS

Client Sample ID: SW 10

Date Collected: 12/13/24 10:07
Date Received: 12/13/24 11:49

Lab Sample ID: 890-7471-1

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		12/16/24 10:12	12/16/24 14:10	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		12/16/24 10:12	12/16/24 14:10	1
Toluene	<0.00202	U	0.00202		mg/Kg		12/16/24 10:12	12/16/24 14:10	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		12/16/24 10:12	12/16/24 14:10	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		12/16/24 10:12	12/16/24 14:10	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		12/16/24 10:12	12/16/24 14:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*12/16/24 10:12*	*12/16/24 14:10*	*1*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*	*12/16/24 10:12*	*12/16/24 14:10*	*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			12/16/24 14:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/16/24 14:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/12/24 09:47	12/16/24 14:43	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/12/24 09:47	12/16/24 14:43	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/12/24 09:47	12/16/24 14:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*82*		*70 - 130*	*12/12/24 09:47*	*12/16/24 14:43*	*1*
o-Terphenyl	*72*		*70 - 130*	*12/12/24 09:47*	*12/16/24 14:43*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**481**		10.0		mg/Kg			12/16/24 10:22	1

Surrogate Summary

Client: CDH Consulting
Project/Site: JACKSON B - 29Y

Job ID: 890-7471-1
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)
890-7471-1	SW 10	112	106
LCS 880-97932/1-A	Lab Control Sample	107	104
LCSD 880-97932/2-A	Lab Control Sample Dup	108	104
MB 880-97932/5-A	Method Blank	107	102

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)
890-7471-1	SW 10	82	72
LCS 880-97706/2-A	Lab Control Sample	122	99
LCSD 880-97706/3-A	Lab Control Sample Dup	116	93
MB 880-97706/1-A	Method Blank	70	63 S1-

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: CDH Consulting
Project/Site: JACKSON B - 29Y

Job ID: 890-7471-1
SDG: LOCO HILLS

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-97932/5-A
Matrix: Solid
Analysis Batch: 97908

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 97932

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/16/24 10:12	12/16/24 12:06	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/16/24 10:12	12/16/24 12:06	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/16/24 10:12	12/16/24 12:06	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/16/24 10:12	12/16/24 12:06	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/16/24 10:12	12/16/24 12:06	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/16/24 10:12	12/16/24 12:06	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*12/16/24 10:12*	*12/16/24 12:06*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*12/16/24 10:12*	*12/16/24 12:06*	*1*

Lab Sample ID: LCS 880-97932/1-A
Matrix: Solid
Analysis Batch: 97908

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 97932

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08870		mg/Kg		89	70 - 130
Ethylbenzene	0.100	0.1031		mg/Kg		103	70 - 130
Toluene	0.100	0.09748		mg/Kg		97	70 - 130
m-Xylene & p-Xylene	0.200	0.2073		mg/Kg		104	70 - 130
o-Xylene	0.100	0.1103		mg/Kg		110	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*

Lab Sample ID: LCSD 880-97932/2-A
Matrix: Solid
Analysis Batch: 97908

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 97932

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09076		mg/Kg		91	70 - 130	2	35
Ethylbenzene	0.100	0.1073		mg/Kg		107	70 - 130	4	35
Toluene	0.100	0.1010		mg/Kg		101	70 - 130	4	35
m-Xylene & p-Xylene	0.200	0.2148		mg/Kg		107	70 - 130	4	35
o-Xylene	0.100	0.1148		mg/Kg		115	70 - 130	4	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*

QC Sample Results

Client: CDH Consulting
Project/Site: JACKSON B - 29Y

Job ID: 890-7471-1
SDG: LOCO HILLS

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

Lab Sample ID: MB 880-97706/1-A
Matrix: Solid
Analysis Batch: 97954

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 97706

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		12/12/24 09:47	12/16/24 10:10	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/12/24 09:47	12/16/24 10:10	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/12/24 09:47	12/16/24 10:10	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*70*		*70 - 130*	*12/12/24 09:47*	*12/16/24 10:10*	*1*
o-Terphenyl	*63*	*S1-*	*70 - 130*	*12/12/24 09:47*	*12/16/24 10:10*	*1*

Lab Sample ID: LCS 880-97706/2-A
Matrix: Solid
Analysis Batch: 97954

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 97706

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1209		mg/Kg		121	70 - 130
Diesel Range Organics (Over C10-C28)	1000	943.1		mg/Kg		94	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*122*		*70 - 130*
o-Terphenyl	*99*		*70 - 130*

Lab Sample ID: LCSD 880-97706/3-A
Matrix: Solid
Analysis Batch: 97954

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 97706

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1177		mg/Kg		118	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	1000	893.0		mg/Kg		89	70 - 130	5	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*116*		*70 - 130*
o-Terphenyl	*93*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-97904/1-A
Matrix: Solid
Analysis Batch: 97920

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			12/16/24 09:35	1

QC Sample Results

Client: CDH Consulting
Project/Site: JACKSON B - 29Y

Job ID: 890-7471-1
SDG: LOCO HILLS

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-97904/2-A
Matrix: Solid
Analysis Batch: 97920

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	252.4		mg/Kg		101	90 - 110		

Lab Sample ID: LCSD 880-97904/3-A
Matrix: Solid
Analysis Batch: 97920

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	252.4		mg/Kg		101	90 - 110	0	20

QC Association Summary

Client: CDH Consulting
Project/Site: JACKSON B - 29Y

Job ID: 890-7471-1
SDG: LOCO HILLS

GC VOA

Analysis Batch: 97908

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7471-1	SW 10	Total/NA	Solid	8021B	97932
MB 880-97932/5-A	Method Blank	Total/NA	Solid	8021B	97932
LCS 880-97932/1-A	Lab Control Sample	Total/NA	Solid	8021B	97932
LCSD 880-97932/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	97932

Prep Batch: 97932

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7471-1	SW 10	Total/NA	Solid	5035	
MB 880-97932/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-97932/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-97932/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 97986

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7471-1	SW 10	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 97706

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7471-1	SW 10	Total/NA	Solid	8015NM Prep	
MB 880-97706/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-97706/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-97706/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 97954

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7471-1	SW 10	Total/NA	Solid	8015B NM	97706
MB 880-97706/1-A	Method Blank	Total/NA	Solid	8015B NM	97706
LCS 880-97706/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	97706
LCSD 880-97706/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	97706

Analysis Batch: 97981

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7471-1	SW 10	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 97904

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7471-1	SW 10	Soluble	Solid	DI Leach	
MB 880-97904/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-97904/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-97904/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 97920

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7471-1	SW 10	Soluble	Solid	300.0	97904
MB 880-97904/1-A	Method Blank	Soluble	Solid	300.0	97904
LCS 880-97904/2-A	Lab Control Sample	Soluble	Solid	300.0	97904
LCSD 880-97904/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	97904

Lab Chronicle

Client: CDH Consulting
Project/Site: JACKSON B - 29Y

Job ID: 890-7471-1
SDG: LOCO HILLS

Client Sample ID: SW 10

Date Collected: 12/13/24 10:07
Date Received: 12/13/24 11:49

Lab Sample ID: 890-7471-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			97932	AA	EET MID	12/16/24 10:12
Total/NA	Analysis	8021B		1	97908	MNR	EET MID	12/16/24 14:10
Total/NA	Analysis	Total BTEX		1	97986	SM	EET MID	12/16/24 14:10
Total/NA	Analysis	8015 NM		1	97981	SM	EET MID	12/16/24 14:43
Total/NA	Prep	8015NM Prep			97706	EL	EET MID	12/12/24 09:47
Total/NA	Analysis	8015B NM		1	97954	TKC	EET MID	12/16/24 14:43
Soluble	Leach	DI Leach			97904	SA	EET MID	12/16/24 07:49
Soluble	Analysis	300.0		1	97920	CH	EET MID	12/16/24 10:22

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: JACKSON B - 29Y

Job ID: 890-7471-1
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: JACKSON B - 29Y

Job ID: 890-7471-1
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: JACKSON B - 29Y

Job ID: 890-7471-1
SDG: LOCO HILLS

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
890-7471-1	SW 10	Solid	12/13/24 10:07	12/13/24 11:49

Released to Imaging: 6/16/2025 4:35:04 PM

Received by OCD: 3/17/2025 8:23:03 AM

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:	Michael Wicker	Bill to: (if different)	
Company Name:	CDH Consulting	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:	Jackson B-29Y	Turn Around	☐ Routine ☑ Rush
Project Number:		Pres. Code	
Project Location:	Loco Hills, NM	Due Date:	12-16-2024
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:	TN002
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	2.8
Total Containers:		Corrected Temperature:	2.6

ANALYSIS REQUEST

Parameters: NM BG Doc

890-7471 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	Sample Comments
SW10	S	10-13-2024	10:07		Comp	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	[signature]	12/13 1149	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Login Sample Receipt Checklist

Client: CDH Consulting

Job Number: 890-7471-1
SDG Number: LOCO HILLS

Login Number: 7471
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: 890-7471-1
SDG Number: LOCO HILLS

Login Number: 7471
List Number: 2
Creator: Laing, Edmundo

List Source: Eurofins Midland
List Creation: 12/16/24 08:22 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	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 12/18/2024 4:33:58 PM

JOB DESCRIPTION

JACKSON B # 029Y
LOCO HILLS

JOB NUMBER

890-7482-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

Released to Imaging: 6/16/2025 4:33:04 PM

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
12/18/2024 4:33:58 PM

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

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Definitions/Glossary

Client: CDH Consulting
Project/Site: JACKSON B # 029Y

Job ID: 890-7482-1
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, 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: JACKSON B # 029Y

Job ID: 890-7482-1

Job ID: 890-7482-1 Eurofins Carlsbad

Job Narrative
890-7482-1

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 12/17/2024 3:04 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: SW 02 (890-7482-1), SW 06 (890-7482-2), SW 07 (890-7482-3), SW 15 (890-7482-4) and SW 16 (890-7482-5).

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 samples were outside control limits: (LCS 880-98114/2-A) and (LCSD 880-98114/3-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The laboratory control sample (LCS) for preparation batch 880-98114 and analytical batch 880-98179 recovered outside control limits for the following analytes: Gasoline Range Organics (GRO)-C6-C10. These analytes were biased high in the LCS and were within limits for the LCSD (laboratory control sample duplicate); therefore, the data have been reported.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-98115/2-A) and (880-52233-A-17-D). 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: JACKSON B # 029Y

Job ID: 890-7482-1
SDG: LOCO HILLS

Client Sample ID: SW 02

Lab Sample ID: 890-7482-1
Matrix: Solid

Date Collected: 12/17/24 09:45
Date Received: 12/17/24 15:04
Sample Depth: 0' - 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		12/17/24 22:32	12/18/24 05:46	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/17/24 22:32	12/18/24 05:46	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/17/24 22:32	12/18/24 05:46	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		12/17/24 22:32	12/18/24 05:46	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		12/17/24 22:32	12/18/24 05:46	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/17/24 22:32	12/18/24 05:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*12/17/24 22:32*	*12/18/24 05:46*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*12/17/24 22:32*	*12/18/24 05:46*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			12/18/24 05:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/18/24 13:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *+	50.0		mg/Kg		12/17/24 21:15	12/18/24 13:56	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/17/24 21:15	12/18/24 13:56	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/17/24 21:15	12/18/24 13:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*86*		*70 - 130*	*12/17/24 21:15*	*12/18/24 13:56*	*1*
o-Terphenyl	*74*		*70 - 130*	*12/17/24 21:15*	*12/18/24 13:56*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1310**		10.1		mg/Kg			12/18/24 00:47	1

Client Sample ID: SW 06

Lab Sample ID: 890-7482-2
Matrix: Solid

Date Collected: 12/17/24 13:40
Date Received: 12/17/24 15:04
Sample Depth: 0' - 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		12/17/24 22:32	12/18/24 06:07	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/17/24 22:32	12/18/24 06:07	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/17/24 22:32	12/18/24 06:07	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/17/24 22:32	12/18/24 06:07	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/17/24 22:32	12/18/24 06:07	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/17/24 22:32	12/18/24 06:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*12/17/24 22:32*	*12/18/24 06:07*	*1*

Client Sample Results

Client: CDH Consulting
Project/Site: JACKSON B # 029Y

Job ID: 890-7482-1
SDG: LOCO HILLS

Client Sample ID: SW 06

Lab Sample ID: 890-7482-2
Matrix: Solid

Date Collected: 12/17/24 13:40
Date Received: 12/17/24 15:04
Sample Depth: 0' - 4'

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	99		70 - 130	12/17/24 22:32	12/18/24 06:07	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			12/18/24 06:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**212**		50.0		mg/Kg			12/18/24 13:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/17/24 21:17	12/18/24 13:10	1
Diesel Range Organics (Over C10-C28)	**212**		50.0		mg/Kg		12/17/24 21:17	12/18/24 13:10	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/17/24 21:17	12/18/24 13:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	74		70 - 130	12/17/24 21:17	12/18/24 13:10	1
o-Terphenyl	76		70 - 130	12/17/24 21:17	12/18/24 13:10	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**840**		9.92		mg/Kg			12/18/24 00:52	1

Client Sample ID: SW 07

Lab Sample ID: 890-7482-3
Matrix: Solid

Date Collected: 12/17/24 13:47
Date Received: 12/17/24 15:04
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		12/17/24 22:32	12/18/24 06:27	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/17/24 22:32	12/18/24 06:27	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/17/24 22:32	12/18/24 06:27	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/17/24 22:32	12/18/24 06:27	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/17/24 22:32	12/18/24 06:27	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/17/24 22:32	12/18/24 06:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	12/17/24 22:32	12/18/24 06:27	1
1,4-Difluorobenzene (Surr)	98		70 - 130	12/17/24 22:32	12/18/24 06:27	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/18/24 06:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			12/18/24 13:24	1

Client Sample Results

Client: CDH Consulting
Project/Site: JACKSON B # 029Y

Job ID: 890-7482-1
SDG: LOCO HILLS

Client Sample ID: SW 07

Lab Sample ID: 890-7482-3
Matrix: Solid

Date Collected: 12/17/24 13:47
Date Received: 12/17/24 15:04
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		12/17/24 21:17	12/18/24 13:24	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/17/24 21:17	12/18/24 13:24	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/17/24 21:17	12/18/24 13:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*72*		*70 - 130*	*12/17/24 21:17*	*12/18/24 13:24*	*1*
o-Terphenyl	*74*		*70 - 130*	*12/17/24 21:17*	*12/18/24 13:24*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3320**		49.9		mg/Kg			12/18/24 01:10	5

Client Sample ID: SW 15

Lab Sample ID: 890-7482-4
Matrix: Solid

Date Collected: 12/17/24 13:19
Date Received: 12/17/24 15:04
Sample Depth: 4' - 20'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		12/17/24 22:32	12/18/24 06:48	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/17/24 22:32	12/18/24 06:48	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/17/24 22:32	12/18/24 06:48	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/17/24 22:32	12/18/24 06:48	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/17/24 22:32	12/18/24 06:48	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/17/24 22:32	12/18/24 06:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*12/17/24 22:32*	*12/18/24 06:48*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*12/17/24 22:32*	*12/18/24 06:48*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			12/18/24 06:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/18/24 13:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/17/24 21:17	12/18/24 13:41	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/17/24 21:17	12/18/24 13:41	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/17/24 21:17	12/18/24 13:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*71*		*70 - 130*	*12/17/24 21:17*	*12/18/24 13:41*	*1*
o-Terphenyl	*73*		*70 - 130*	*12/17/24 21:17*	*12/18/24 13:41*	*1*

Client Sample Results

Client: CDH Consulting
Project/Site: JACKSON B # 029Y

Job ID: 890-7482-1
SDG: LOCO HILLS

Client Sample ID: SW 15

Lab Sample ID: 890-7482-4
Matrix: Solid

Date Collected: 12/17/24 13:19
Date Received: 12/17/24 15:04
Sample Depth: 4' - 20'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4610		99.6		mg/Kg			12/18/24 01:16	10

Client Sample ID: SW 16

Lab Sample ID: 890-7482-5
Matrix: Solid

Date Collected: 12/17/24 13:31
Date Received: 12/17/24 15:04
Sample Depth: 4' - 20'

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		12/17/24 22:32	12/18/24 07:08	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		12/17/24 22:32	12/18/24 07:08	1
Toluene	<0.00202	U	0.00202		mg/Kg		12/17/24 22:32	12/18/24 07:08	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		12/17/24 22:32	12/18/24 07:08	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		12/17/24 22:32	12/18/24 07:08	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		12/17/24 22:32	12/18/24 07:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*12/17/24 22:32*	*12/18/24 07:08*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*12/17/24 22:32*	*12/18/24 07:08*	*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			12/18/24 07:08	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			12/18/24 13:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/17/24 21:17	12/18/24 13:56	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/17/24 21:17	12/18/24 13:56	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/17/24 21:17	12/18/24 13:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*73*		*70 - 130*	*12/17/24 21:17*	*12/18/24 13:56*	*1*
o-Terphenyl	*76*		*70 - 130*	*12/17/24 21:17*	*12/18/24 13:56*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1310		9.90		mg/Kg			12/18/24 01:22	1

Surrogate Summary

Client: CDH Consulting
Project/Site: JACKSON B # 029Y

Job ID: 890-7482-1
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)
890-7482-1	SW 02	101	99
890-7482-2	SW 06	106	99
890-7482-3	SW 07	104	98
890-7482-4	SW 15	103	100
890-7482-5	SW 16	113	96
LCS 880-98116/1-A	Lab Control Sample	97	100
LCSD 880-98116/2-A	Lab Control Sample Dup	103	99
MB 880-98051/5-A	Method Blank	98	95
MB 880-98116/5-A	Method Blank	95	95

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)
890-7482-1	SW 02	86	74
890-7482-2	SW 06	74	76
890-7482-3	SW 07	72	74
890-7482-4	SW 15	71	73
890-7482-5	SW 16	73	76
LCS 880-98114/2-A	Lab Control Sample	141 S1+	115
LCS 880-98115/2-A	Lab Control Sample	132 S1+	119
LCSD 880-98114/3-A	Lab Control Sample Dup	131 S1+	104
LCSD 880-98115/3-A	Lab Control Sample Dup	127	113
MB 880-98114/1-A	Method Blank	107	94
MB 880-98115/1-A	Method Blank	86	88

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: CDH Consulting
Project/Site: JACKSON B # 029Y

Job ID: 890-7482-1
SDG: LOCO HILLS

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-98051/5-A
Matrix: Solid
Analysis Batch: 98007

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 98051

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/17/24 09:50	12/17/24 11:35	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/17/24 09:50	12/17/24 11:35	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/17/24 09:50	12/17/24 11:35	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/17/24 09:50	12/17/24 11:35	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/17/24 09:50	12/17/24 11:35	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/17/24 09:50	12/17/24 11:35	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*12/17/24 09:50*	*12/17/24 11:35*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*12/17/24 09:50*	*12/17/24 11:35*	*1*

Lab Sample ID: MB 880-98116/5-A
Matrix: Solid
Analysis Batch: 98007

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 98116

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/17/24 22:32	12/18/24 00:25	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/17/24 22:32	12/18/24 00:25	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/17/24 22:32	12/18/24 00:25	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/17/24 22:32	12/18/24 00:25	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/17/24 22:32	12/18/24 00:25	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/17/24 22:32	12/18/24 00:25	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*	*12/17/24 22:32*	*12/18/24 00:25*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*12/17/24 22:32*	*12/18/24 00:25*	*1*

Lab Sample ID: LCS 880-98116/1-A
Matrix: Solid
Analysis Batch: 98007

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 98116

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1264		mg/Kg		126	70 - 130
Ethylbenzene	0.100	0.1187		mg/Kg		119	70 - 130
Toluene	0.100	0.1229		mg/Kg		123	70 - 130
m-Xylene & p-Xylene	0.200	0.2301		mg/Kg		115	70 - 130
o-Xylene	0.100	0.1263		mg/Kg		126	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*

Lab Sample ID: LCSD 880-98116/2-A
Matrix: Solid
Analysis Batch: 98007

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 98116

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1091		mg/Kg		109	70 - 130	15	35

QC Sample Results

Client: CDH Consulting
Project/Site: JACKSON B # 029Y

Job ID: 890-7482-1
SDG: LOCO HILLS

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

Lab Sample ID: LCSD 880-98116/2-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 98007 — **Prep Batch: 98116**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ethylbenzene			0.100	0.1090		mg/Kg		109	70 - 130	9	35
Toluene			0.100	0.1122		mg/Kg		112	70 - 130	9	35
m-Xylene & p-Xylene			0.200	0.2097		mg/Kg		105	70 - 130	9	35
o-Xylene			0.100	0.1163		mg/Kg		116	70 - 130	8	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*

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

Lab Sample ID: MB 880-98114/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 98179 — **Prep Batch: 98114**

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		12/17/24 21:15	12/18/24 10:49	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/17/24 21:15	12/18/24 10:49	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/17/24 21:15	12/18/24 10:49	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*107*		*70 - 130*	*12/17/24 21:15*	*12/18/24 10:49*	*1*
o-Terphenyl	*94*		*70 - 130*	*12/17/24 21:15*	*12/18/24 10:49*	*1*

Lab Sample ID: LCS 880-98114/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 98179 — **Prep Batch: 98114**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1358	*+	mg/Kg		136	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1130		mg/Kg		113	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*141*	*S1+*	*70 - 130*
o-Terphenyl	*115*		*70 - 130*

Lab Sample ID: LCSD 880-98114/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 98179 — **Prep Batch: 98114**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1298		mg/Kg		130	70 - 130	5	20
Diesel Range Organics (Over C10-C28)			1000	976.8		mg/Kg		98	70 - 130	15	20

QC Sample Results

Client: CDH Consulting
Project/Site: JACKSON B # 029Y

Job ID: 890-7482-1
SDG: LOCO HILLS

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

Lab Sample ID: LCSD 880-98114/3-A
Matrix: Solid
Analysis Batch: 98179

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 98114

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	131	S1+	70 - 130
o-Terphenyl	104		70 - 130

Lab Sample ID: MB 880-98115/1-A
Matrix: Solid
Analysis Batch: 98181

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 98115

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		12/17/24 21:17	12/18/24 10:49	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/17/24 21:17	12/18/24 10:49	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/17/24 21:17	12/18/24 10:49	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130	12/17/24 21:17	12/18/24 10:49	1
o-Terphenyl	88		70 - 130	12/17/24 21:17	12/18/24 10:49	1

Lab Sample ID: LCS 880-98115/2-A
Matrix: Solid
Analysis Batch: 98181

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 98115

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1169		mg/Kg		117	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1151		mg/Kg		115	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	132	S1+	70 - 130
o-Terphenyl	119		70 - 130

Lab Sample ID: LCSD 880-98115/3-A
Matrix: Solid
Analysis Batch: 98181

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 98115

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1140		mg/Kg		114	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	1000	1061		mg/Kg		106	70 - 130	8	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	127		70 - 130
o-Terphenyl	113		70 - 130

QC Sample Results

Client: CDH Consulting
Project/Site: JACKSON B # 029Y

Job ID: 890-7482-1
SDG: LOCO HILLS

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-98112/1-A
Matrix: Solid
Analysis Batch: 98113

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			12/17/24 22:49	1

Lab Sample ID: LCS 880-98112/2-A
Matrix: Solid
Analysis Batch: 98113

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	246.7		mg/Kg		99	90 - 110		

Lab Sample ID: LCSD 880-98112/3-A
Matrix: Solid
Analysis Batch: 98113

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	247.2		mg/Kg		99	90 - 110	0	20

QC Association Summary

Client: CDH Consulting
Project/Site: JACKSON B # 029Y

Job ID: 890-7482-1
SDG: LOCO HILLS

GC VOA

Analysis Batch: 98007

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7482-1	SW 02	Total/NA	Solid	8021B	98116
890-7482-2	SW 06	Total/NA	Solid	8021B	98116
890-7482-3	SW 07	Total/NA	Solid	8021B	98116
890-7482-4	SW 15	Total/NA	Solid	8021B	98116
890-7482-5	SW 16	Total/NA	Solid	8021B	98116
MB 880-98051/5-A	Method Blank	Total/NA	Solid	8021B	98051
MB 880-98116/5-A	Method Blank	Total/NA	Solid	8021B	98116
LCS 880-98116/1-A	Lab Control Sample	Total/NA	Solid	8021B	98116
LCSD 880-98116/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	98116

Prep Batch: 98051

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-98051/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 98116

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7482-1	SW 02	Total/NA	Solid	5035	
890-7482-2	SW 06	Total/NA	Solid	5035	
890-7482-3	SW 07	Total/NA	Solid	5035	
890-7482-4	SW 15	Total/NA	Solid	5035	
890-7482-5	SW 16	Total/NA	Solid	5035	
MB 880-98116/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-98116/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-98116/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 98129

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7482-1	SW 02	Total/NA	Solid	Total BTEX	
890-7482-2	SW 06	Total/NA	Solid	Total BTEX	
890-7482-3	SW 07	Total/NA	Solid	Total BTEX	
890-7482-4	SW 15	Total/NA	Solid	Total BTEX	
890-7482-5	SW 16	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 98114

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7482-1	SW 02	Total/NA	Solid	8015NM Prep	
MB 880-98114/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-98114/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-98114/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Prep Batch: 98115

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7482-2	SW 06	Total/NA	Solid	8015NM Prep	
890-7482-3	SW 07	Total/NA	Solid	8015NM Prep	
890-7482-4	SW 15	Total/NA	Solid	8015NM Prep	
890-7482-5	SW 16	Total/NA	Solid	8015NM Prep	
MB 880-98115/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-98115/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-98115/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: CDH Consulting
Project/Site: JACKSON B # 029Y

Job ID: 890-7482-1
SDG: LOCO HILLS

GC Semi VOA

Analysis Batch: 98179

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7482-1	SW 02	Total/NA	Solid	8015B NM	98114
MB 880-98114/1-A	Method Blank	Total/NA	Solid	8015B NM	98114
LCS 880-98114/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	98114
LCSD 880-98114/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	98114

Analysis Batch: 98181

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7482-2	SW 06	Total/NA	Solid	8015B NM	98115
890-7482-3	SW 07	Total/NA	Solid	8015B NM	98115
890-7482-4	SW 15	Total/NA	Solid	8015B NM	98115
890-7482-5	SW 16	Total/NA	Solid	8015B NM	98115
MB 880-98115/1-A	Method Blank	Total/NA	Solid	8015B NM	98115
LCS 880-98115/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	98115
LCSD 880-98115/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	98115

Analysis Batch: 98193

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7482-1	SW 02	Total/NA	Solid	8015 NM	
890-7482-2	SW 06	Total/NA	Solid	8015 NM	
890-7482-3	SW 07	Total/NA	Solid	8015 NM	
890-7482-4	SW 15	Total/NA	Solid	8015 NM	
890-7482-5	SW 16	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 98112

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7482-1	SW 02	Soluble	Solid	DI Leach	
890-7482-2	SW 06	Soluble	Solid	DI Leach	
890-7482-3	SW 07	Soluble	Solid	DI Leach	
890-7482-4	SW 15	Soluble	Solid	DI Leach	
890-7482-5	SW 16	Soluble	Solid	DI Leach	
MB 880-98112/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-98112/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-98112/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 98113

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7482-1	SW 02	Soluble	Solid	300.0	98112
890-7482-2	SW 06	Soluble	Solid	300.0	98112
890-7482-3	SW 07	Soluble	Solid	300.0	98112
890-7482-4	SW 15	Soluble	Solid	300.0	98112
890-7482-5	SW 16	Soluble	Solid	300.0	98112
MB 880-98112/1-A	Method Blank	Soluble	Solid	300.0	98112
LCS 880-98112/2-A	Lab Control Sample	Soluble	Solid	300.0	98112
LCSD 880-98112/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	98112

Lab Chronicle

Client: CDH Consulting
Project/Site: JACKSON B # 029Y

Job ID: 890-7482-1
SDG: LOCO HILLS

Client Sample ID: SW 02
Lab Sample ID: 890-7482-1
Date Collected: 12/17/24 09:45
Matrix: Solid
Date Received: 12/17/24 15:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			98116	MNR	EET MID	12/17/24 22:32
Total/NA	Analysis	8021B		1	98007	MNR	EET MID	12/18/24 05:46
Total/NA	Analysis	Total BTEX		1	98129	SM	EET MID	12/18/24 05:46
Total/NA	Analysis	8015 NM		1	98193	SM	EET MID	12/18/24 13:56
Total/NA	Prep	8015NM Prep			98114	EL	EET MID	12/17/24 21:15
Total/NA	Analysis	8015B NM		1	98179	TKC	EET MID	12/18/24 13:56
Soluble	Leach	DI Leach			98112	CH	EET MID	12/17/24 21:02
Soluble	Analysis	300.0		1	98113	SMC	EET MID	12/18/24 00:47

Client Sample ID: SW 06
Lab Sample ID: 890-7482-2
Date Collected: 12/17/24 13:40
Matrix: Solid
Date Received: 12/17/24 15:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			98116	MNR	EET MID	12/17/24 22:32
Total/NA	Analysis	8021B		1	98007	MNR	EET MID	12/18/24 06:07
Total/NA	Analysis	Total BTEX		1	98129	SM	EET MID	12/18/24 06:07
Total/NA	Analysis	8015 NM		1	98193	SM	EET MID	12/18/24 13:10
Total/NA	Prep	8015NM Prep			98115	EL	EET MID	12/17/24 21:17
Total/NA	Analysis	8015B NM		1	98181	TKC	EET MID	12/18/24 13:10
Soluble	Leach	DI Leach			98112	CH	EET MID	12/17/24 21:02
Soluble	Analysis	300.0		1	98113	SMC	EET MID	12/18/24 00:52

Client Sample ID: SW 07
Lab Sample ID: 890-7482-3
Date Collected: 12/17/24 13:47
Matrix: Solid
Date Received: 12/17/24 15:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			98116	MNR	EET MID	12/17/24 22:32
Total/NA	Analysis	8021B		1	98007	MNR	EET MID	12/18/24 06:27
Total/NA	Analysis	Total BTEX		1	98129	SM	EET MID	12/18/24 06:27
Total/NA	Analysis	8015 NM		1	98193	SM	EET MID	12/18/24 13:24
Total/NA	Prep	8015NM Prep			98115	EL	EET MID	12/17/24 21:17
Total/NA	Analysis	8015B NM		1	98181	TKC	EET MID	12/18/24 13:24
Soluble	Leach	DI Leach			98112	CH	EET MID	12/17/24 21:02
Soluble	Analysis	300.0		5	98113	SMC	EET MID	12/18/24 01:10

Client Sample ID: SW 15
Lab Sample ID: 890-7482-4
Date Collected: 12/17/24 13:19
Matrix: Solid
Date Received: 12/17/24 15:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			98116	MNR	EET MID	12/17/24 22:32
Total/NA	Analysis	8021B		1	98007	MNR	EET MID	12/18/24 06:48
Total/NA	Analysis	Total BTEX		1	98129	SM	EET MID	12/18/24 06:48

Lab Chronicle

Client: CDH Consulting
Project/Site: JACKSON B # 029Y

Job ID: 890-7482-1
SDG: LOCO HILLS

Client Sample ID: SW 15

Lab Sample ID: 890-7482-4
Date Collected: 12/17/24 13:19
Matrix: Solid
Date Received: 12/17/24 15:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8015 NM		1	98193	SM	EET MID	12/18/24 13:41
Total/NA	Prep	8015NM Prep			98115	EL	EET MID	12/17/24 21:17
Total/NA	Analysis	8015B NM		1	98181	TKC	EET MID	12/18/24 13:41
Soluble	Leach	DI Leach			98112	CH	EET MID	12/17/24 21:02
Soluble	Analysis	300.0		10	98113	SMC	EET MID	12/18/24 01:16

Client Sample ID: SW 16

Lab Sample ID: 890-7482-5
Date Collected: 12/17/24 13:31
Matrix: Solid
Date Received: 12/17/24 15:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			98116	MNR	EET MID	12/17/24 22:32
Total/NA	Analysis	8021B		1	98007	MNR	EET MID	12/18/24 07:08
Total/NA	Analysis	Total BTEX		1	98129	SM	EET MID	12/18/24 07:08
Total/NA	Analysis	8015 NM		1	98193	SM	EET MID	12/18/24 13:56
Total/NA	Prep	8015NM Prep			98115	EL	EET MID	12/17/24 21:17
Total/NA	Analysis	8015B NM		1	98181	TKC	EET MID	12/18/24 13:56
Soluble	Leach	DI Leach			98112	CH	EET MID	12/17/24 21:02
Soluble	Analysis	300.0		1	98113	SMC	EET MID	12/18/24 01:22

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: JACKSON B # 029Y

Job ID: 890-7482-1
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: JACKSON B # 029Y

Job ID: 890-7482-1
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: JACKSON B # 029Y

Job ID: 890-7482-1
SDG: LOCO HILLS

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-7482-1	SW 02	Solid	12/17/24 09:45	12/17/24 15:04	0' - 4'
890-7482-2	SW 06	Solid	12/17/24 13:40	12/17/24 15:04	0' - 4'
890-7482-3	SW 07	Solid	12/17/24 13:47	12/17/24 15:04	0' - 4'
890-7482-4	SW 15	Solid	12/17/24 13:19	12/17/24 15:04	4' - 20'
890-7482-5	SW 16	Solid	12/17/24 13:31	12/17/24 15:04	4' - 20'

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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 Wicker	Bill to: (if different)	
Company Name:	CDH Consulting	Company Name:	
Address:	9446 Clermont Street	Address:	
City, State ZIP:	Thornton, CO	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:	Jackson B #029Y	Turn Around	
Project Number:		☐ Routine ☒ Rush	
Project Location:	Loco Hills NM	Due Date:	24hr
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:	Twnco	
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

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont	BTEX	TPH	Chloride	Sample Comments
SW02	S	12/17/24	0945	0'-4'	Comp	1	X	X	X	
SW06	↓	↓	1340	↓	↓	↓	↓	↓	↓	
SW07			1347							
SW15			1319	4'-20'						
SW16	↓	↓	1331	4'-20'	↓	↓	↓	↓	↓	

890-7482 Chain of Custody

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

~~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

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 [signature]	[signature]	12/17 1504	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Received by OCD: 3/17/2025 8:23:03 AM

Released to Imaging: 6/16/2025 4:35:04 PM

12/18/2024

Login Sample Receipt Checklist

Client: CDH Consulting

Job Number: 890-7482-1
SDG Number: LOCO HILLS

Login Number: 7482
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: 890-7482-1
SDG Number: LOCO HILLS

Login Number: 7482
List Number: 2
Creator: Laing, Edmundo

List Source: Eurofins Midland
List Creation: 12/17/24 08:59 PM

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information	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	

Received by OCD: 3/17/2025 8:23:03 AM

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 12/20/2024 3:03:41 PM

JOB DESCRIPTION

Jackson B #029Y

JOB NUMBER

890-7494-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

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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
12/20/2024 3:03:41 PM

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

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Definitions/Glossary

Client: CDH Consulting
Job ID: 890-7494-1
Project/Site: Jackson B #029Y

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, 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: Jackson B #029Y

Job ID: 890-7494-1

Job ID: 890-7494-1 Eurofins Carlsbad

Job Narrative
890-7494-1

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 12/19/2024 1:30 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.6°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 method blank for preparation batch 880-98404 and analytical batch 880-98430 contained Diesel Range Organics (Over C10-C28) above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

Method 8015MOD_NM: An incorrect volume of surrogate spiking solution was inadvertently added the following samples: (LCS 880-98404/2-A) and (LCSD 880-98404/3-A). Percent recoveries are based on the amount spiked.

Method 8015MOD_NM: The laboratory control sample (LCS) associated with preparation batch 880-98404 and analytical batch 880-98430 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.

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: Jackson B #029Y

Job ID: 890-7494-1

Client Sample ID: SW02

Lab Sample ID: 890-7494-1
Matrix: Solid

Date Collected: 12/19/24 08:57
Date Received: 12/19/24 13:30
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		12/20/24 08:21	12/20/24 11:23	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/20/24 08:21	12/20/24 11:23	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/20/24 08:21	12/20/24 11:23	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/20/24 08:21	12/20/24 11:23	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/20/24 08:21	12/20/24 11:23	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/20/24 08:21	12/20/24 11:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*80*		*70 - 130*	*12/20/24 08:21*	*12/20/24 11:23*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*12/20/24 08:21*	*12/20/24 11:23*	*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			12/20/24 11:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			12/20/24 13:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U *+	49.8		mg/Kg		12/19/24 21:32	12/20/24 13:36	1
Diesel Range Organics (Over C10-C28)	<49.8	U *+	49.8		mg/Kg		12/19/24 21:32	12/20/24 13:36	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/19/24 21:32	12/20/24 13:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*92*		*70 - 130*	*12/19/24 21:32*	*12/20/24 13:36*	*1*
o-Terphenyl	*95*		*70 - 130*	*12/19/24 21:32*	*12/20/24 13:36*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**698**		9.96		mg/Kg			12/20/24 10:45	1

Client Sample ID: SW06

Lab Sample ID: 890-7494-2
Matrix: Solid

Date Collected: 12/19/24 10:55
Date Received: 12/19/24 13:30
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		12/20/24 08:21	12/20/24 11:44	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		12/20/24 08:21	12/20/24 11:44	1
Toluene	<0.00202	U	0.00202		mg/Kg		12/20/24 08:21	12/20/24 11:44	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		12/20/24 08:21	12/20/24 11:44	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		12/20/24 08:21	12/20/24 11:44	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		12/20/24 08:21	12/20/24 11:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*82*		*70 - 130*	*12/20/24 08:21*	*12/20/24 11:44*	*1*

Client Sample Results

Client: CDH Consulting
Project/Site: Jackson B #029Y

Job ID: 890-7494-1

Client Sample ID: SW06

Lab Sample ID: 890-7494-2
Matrix: Solid

Date Collected: 12/19/24 10:55
Date Received: 12/19/24 13:30
Sample Depth: 0-4

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	92		70 - 130	12/20/24 08:21	12/20/24 11:44	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			12/20/24 11:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/20/24 13:52	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	<50.0	U *+	50.0		mg/Kg		12/19/24 21:32	12/20/24 13:52	1
Diesel Range Organics (Over C10-C28)	<50.0	U *+	50.0		mg/Kg		12/19/24 21:32	12/20/24 13:52	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/19/24 21:32	12/20/24 13:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130	12/19/24 21:32	12/20/24 13:52	1
o-Terphenyl	97		70 - 130	12/19/24 21:32	12/20/24 13:52	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**399**		10.0		mg/Kg			12/20/24 10:52	1

Client Sample ID: SW07

Lab Sample ID: 890-7494-3
Matrix: Solid

Date Collected: 12/19/24 11:35
Date Received: 12/19/24 13:30
Sample Depth: 0-4

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		12/20/24 08:21	12/20/24 12:04	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/20/24 08:21	12/20/24 12:04	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/20/24 08:21	12/20/24 12:04	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		12/20/24 08:21	12/20/24 12:04	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		12/20/24 08:21	12/20/24 12:04	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/20/24 08:21	12/20/24 12:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	83		70 - 130	12/20/24 08:21	12/20/24 12:04	1
1,4-Difluorobenzene (Surr)	96		70 - 130	12/20/24 08:21	12/20/24 12:04	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			12/20/24 12:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			12/20/24 14:07	1

Client Sample Results

Client: CDH Consulting
Project/Site: Jackson B #029Y

Job ID: 890-7494-1

Client Sample ID: SW07

Lab Sample ID: 890-7494-3

Date Collected: 12/19/24 11:35
Matrix: Solid
Date Received: 12/19/24 13:30
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	<49.7	U *+	49.7		mg/Kg		12/19/24 21:32	12/20/24 14:07	1
Diesel Range Organics (Over C10-C28)	<49.7	U *+	49.7		mg/Kg		12/19/24 21:32	12/20/24 14:07	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		12/19/24 21:32	12/20/24 14:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*105*		*70 - 130*	*12/19/24 21:32*	*12/20/24 14:07*	*1*
o-Terphenyl	*110*		*70 - 130*	*12/19/24 21:32*	*12/20/24 14:07*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**136**		9.96		mg/Kg			12/20/24 10:59	1

Surrogate Summary

Client: CDH Consulting
Project/Site: Jackson B #029Y

Job ID: 890-7494-1

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)
890-7494-1	SW02	80	93
890-7494-1 MS	SW02	88	108
890-7494-1 MSD	SW02	101	106
890-7494-2	SW06	82	92
890-7494-3	SW07	83	96
LCS 880-98429/1-A	Lab Control Sample	103	96
LCSD 880-98429/2-A	Lab Control Sample Dup	85	105
MB 880-98429/5-A	Method Blank	79	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)
890-7494-1	SW02	92	95
890-7494-2	SW06	92	97
890-7494-3	SW07	105	110
LCS 880-98404/2-A	Lab Control Sample	158 S1+	172 S1+
LCSD 880-98404/3-A	Lab Control Sample Dup	166 S1+	175 S1+
MB 880-98404/1-A	Method Blank	93	96

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: CDH Consulting
Project/Site: Jackson B #029Y

Job ID: 890-7494-1

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-98429/5-A
Matrix: Solid
Analysis Batch: 98345

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 98429

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/20/24 08:21	12/20/24 11:02	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/20/24 08:21	12/20/24 11:02	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/20/24 08:21	12/20/24 11:02	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/20/24 08:21	12/20/24 11:02	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/20/24 08:21	12/20/24 11:02	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/20/24 08:21	12/20/24 11:02	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*79*		*70 - 130*	*12/20/24 08:21*	*12/20/24 11:02*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*12/20/24 08:21*	*12/20/24 11:02*	*1*

Lab Sample ID: LCS 880-98429/1-A
Matrix: Solid
Analysis Batch: 98345

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 98429

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09483		mg/Kg		95	70 - 130
Ethylbenzene	0.100	0.1041		mg/Kg		104	70 - 130
Toluene	0.100	0.09418		mg/Kg		94	70 - 130
m-Xylene & p-Xylene	0.200	0.2038		mg/Kg		102	70 - 130
o-Xylene	0.100	0.1006		mg/Kg		101	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*

Lab Sample ID: LCSD 880-98429/2-A
Matrix: Solid
Analysis Batch: 98345

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 98429

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	0.08580		mg/Kg		86	70 - 130	19	35
Toluene	0.100	0.09665		mg/Kg		97	70 - 130	3	35
m-Xylene & p-Xylene	0.200	0.1694		mg/Kg		85	70 - 130	18	35
o-Xylene	0.100	0.08283		mg/Kg		83	70 - 130	19	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*85*		*70 - 130*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*

Lab Sample ID: 890-7494-1 MS
Matrix: Solid
Analysis Batch: 98345

Client Sample ID: SW02
Prep Type: Total/NA
Prep Batch: 98429

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U	0.0996	0.1025		mg/Kg		103	70 - 130
Ethylbenzene	<0.00199	U	0.0996	0.08525		mg/Kg		86	70 - 130

QC Sample Results

Client: CDH Consulting
Project/Site: Jackson B #029Y

Job ID: 890-7494-1

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

Lab Sample ID: 890-7494-1 MS
Matrix: Solid
Analysis Batch: 98345

Client Sample ID: SW02
Prep Type: Total/NA
Prep Batch: 98429

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Toluene	<0.00199	U	0.0996	0.09712		mg/Kg		98	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.199	0.1693		mg/Kg		85	70 - 130
o-Xylene	<0.00199	U	0.0996	0.08191		mg/Kg		82	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*88*		*70 - 130*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*

Lab Sample ID: 890-7494-1 MSD
Matrix: Solid
Analysis Batch: 98345

Client Sample ID: SW02
Prep Type: Total/NA
Prep Batch: 98429

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	0.1051		mg/Kg		104	70 - 130	2	35
Ethylbenzene	<0.00199	U	0.101	0.08356		mg/Kg		83	70 - 130	2	35
Toluene	<0.00199	U	0.101	0.09885		mg/Kg		98	70 - 130	2	35
m-Xylene & p-Xylene	<0.00398	U	0.202	0.1680		mg/Kg		83	70 - 130	1	35
o-Xylene	<0.00199	U	0.101	0.09857		mg/Kg		98	70 - 130	18	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*

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

Lab Sample ID: MB 880-98404/1-A
Matrix: Solid
Analysis Batch: 98430

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 98404

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		12/19/24 21:32	12/20/24 09:12	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/19/24 21:32	12/20/24 09:12	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/19/24 21:32	12/20/24 09:12	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*93*		*70 - 130*	*12/19/24 21:32*	*12/20/24 09:12*	*1*
o-Terphenyl	*96*		*70 - 130*	*12/19/24 21:32*	*12/20/24 09:12*	*1*

Lab Sample ID: LCS 880-98404/2-A
Matrix: Solid
Analysis Batch: 98430

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 98404

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1398	*+	mg/Kg		140	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1468	*+	mg/Kg		147	70 - 130

QC Sample Results

Client: CDH Consulting
Project/Site: Jackson B #029Y

Job ID: 890-7494-1

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

Lab Sample ID: LCS 880-98404/2-A
Matrix: Solid
Analysis Batch: 98430

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 98404

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	158	S1+	70 - 130
o-Terphenyl	172	S1+	70 - 130

Lab Sample ID: LCSD 880-98404/3-A
Matrix: Solid
Analysis Batch: 98430

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 98404

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1465	*+	mg/Kg		147	70 - 130	5	20
Diesel Range Organics (Over C10-C28)			1000	1590	*+	mg/Kg		159	70 - 130	8	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	166	S1+	70 - 130
o-Terphenyl	175	S1+	70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-98373/1-A
Matrix: Solid
Analysis Batch: 98377

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			12/20/24 03:00	1

Lab Sample ID: LCS 880-98373/2-A
Matrix: Solid
Analysis Batch: 98377

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	258.6		mg/Kg		103	90 - 110		

Lab Sample ID: LCSD 880-98373/3-A
Matrix: Solid
Analysis Batch: 98377

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	257.5		mg/Kg		103	90 - 110	0	20

QC Association Summary

Client: CDH Consulting
Project/Site: Jackson B #029Y

Job ID: 890-7494-1

GC VOA

Analysis Batch: 98345

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7494-1	SW02	Total/NA	Solid	8021B	98429
890-7494-2	SW06	Total/NA	Solid	8021B	98429
890-7494-3	SW07	Total/NA	Solid	8021B	98429
MB 880-98429/5-A	Method Blank	Total/NA	Solid	8021B	98429
LCS 880-98429/1-A	Lab Control Sample	Total/NA	Solid	8021B	98429
LCSD 880-98429/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	98429
890-7494-1 MS	SW02	Total/NA	Solid	8021B	98429
890-7494-1 MSD	SW02	Total/NA	Solid	8021B	98429

Prep Batch: 98429

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7494-1	SW02	Total/NA	Solid	5035	
890-7494-2	SW06	Total/NA	Solid	5035	
890-7494-3	SW07	Total/NA	Solid	5035	
MB 880-98429/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-98429/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-98429/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-7494-1 MS	SW02	Total/NA	Solid	5035	
890-7494-1 MSD	SW02	Total/NA	Solid	5035	

Analysis Batch: 98503

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7494-1	SW02	Total/NA	Solid	Total BTEX	
890-7494-2	SW06	Total/NA	Solid	Total BTEX	
890-7494-3	SW07	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 98404

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7494-1	SW02	Total/NA	Solid	8015NM Prep	
890-7494-2	SW06	Total/NA	Solid	8015NM Prep	
890-7494-3	SW07	Total/NA	Solid	8015NM Prep	
MB 880-98404/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-98404/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-98404/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 98430

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7494-1	SW02	Total/NA	Solid	8015B NM	98404
890-7494-2	SW06	Total/NA	Solid	8015B NM	98404
890-7494-3	SW07	Total/NA	Solid	8015B NM	98404
MB 880-98404/1-A	Method Blank	Total/NA	Solid	8015B NM	98404
LCS 880-98404/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	98404
LCSD 880-98404/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	98404

Analysis Batch: 98527

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7494-1	SW02	Total/NA	Solid	8015 NM	
890-7494-2	SW06	Total/NA	Solid	8015 NM	
890-7494-3	SW07	Total/NA	Solid	8015 NM	

QC Association Summary

Client: CDH Consulting
Project/Site: Jackson B #029Y

Job ID: 890-7494-1

HPLC/IC

Leach Batch: 98373

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7494-1	SW02	Soluble	Solid	DI Leach	
890-7494-2	SW06	Soluble	Solid	DI Leach	
890-7494-3	SW07	Soluble	Solid	DI Leach	
MB 880-98373/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-98373/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-98373/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 98377

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7494-1	SW02	Soluble	Solid	300.0	98373
890-7494-2	SW06	Soluble	Solid	300.0	98373
890-7494-3	SW07	Soluble	Solid	300.0	98373
MB 880-98373/1-A	Method Blank	Soluble	Solid	300.0	98373
LCS 880-98373/2-A	Lab Control Sample	Soluble	Solid	300.0	98373
LCSD 880-98373/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	98373

Lab Chronicle

Client: CDH Consulting
Project/Site: Jackson B #029Y

Job ID: 890-7494-1

Client Sample ID: SW02

Lab Sample ID: 890-7494-1
Matrix: Solid
Date Collected: 12/19/24 08:57
Date Received: 12/19/24 13:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			98429	MNR	EET MID	12/20/24 08:21
Total/NA	Analysis	8021B		1	98345	MNR	EET MID	12/20/24 11:23
Total/NA	Analysis	Total BTEX		1	98503	SM	EET MID	12/20/24 11:23
Total/NA	Analysis	8015 NM		1	98527	SM	EET MID	12/20/24 13:36
Total/NA	Prep	8015NM Prep			98404	EL	EET MID	12/19/24 21:32
Total/NA	Analysis	8015B NM		1	98430	TKC	EET MID	12/20/24 13:36
Soluble	Leach	DI Leach			98373	SMC	EET MID	12/19/24 18:22
Soluble	Analysis	300.0		1	98377	CH	EET MID	12/20/24 10:45

Client Sample ID: SW06

Lab Sample ID: 890-7494-2
Matrix: Solid
Date Collected: 12/19/24 10:55
Date Received: 12/19/24 13:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			98429	MNR	EET MID	12/20/24 08:21
Total/NA	Analysis	8021B		1	98345	MNR	EET MID	12/20/24 11:44
Total/NA	Analysis	Total BTEX		1	98503	SM	EET MID	12/20/24 11:44
Total/NA	Analysis	8015 NM		1	98527	SM	EET MID	12/20/24 13:52
Total/NA	Prep	8015NM Prep			98404	EL	EET MID	12/19/24 21:32
Total/NA	Analysis	8015B NM		1	98430	TKC	EET MID	12/20/24 13:52
Soluble	Leach	DI Leach			98373	SMC	EET MID	12/19/24 18:22
Soluble	Analysis	300.0		1	98377	CH	EET MID	12/20/24 10:52

Client Sample ID: SW07

Lab Sample ID: 890-7494-3
Matrix: Solid
Date Collected: 12/19/24 11:35
Date Received: 12/19/24 13:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			98429	MNR	EET MID	12/20/24 08:21
Total/NA	Analysis	8021B		1	98345	MNR	EET MID	12/20/24 12:04
Total/NA	Analysis	Total BTEX		1	98503	SM	EET MID	12/20/24 12:04
Total/NA	Analysis	8015 NM		1	98527	SM	EET MID	12/20/24 14:07
Total/NA	Prep	8015NM Prep			98404	EL	EET MID	12/19/24 21:32
Total/NA	Analysis	8015B NM		1	98430	TKC	EET MID	12/20/24 14:07
Soluble	Leach	DI Leach			98373	SMC	EET MID	12/19/24 18:22
Soluble	Analysis	300.0		1	98377	CH	EET MID	12/20/24 10:59

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: Jackson B #029Y

Job ID: 890-7494-1

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: Jackson B #029Y

Job ID: 890-7494-1

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: Jackson B #029Y

Job ID: 890-7494-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-7494-1	SW02	Solid	12/19/24 08:57	12/19/24 13:30	0-4
890-7494-2	SW06	Solid	12/19/24 10:55	12/19/24 13:30	0-4
890-7494-3	SW07	Solid	12/19/24 11:35	12/19/24 13:30	0-4

Released to Imaging: 6/16/2025 4:35:04 PM

Received by OCD: 3/17/2025 8:23:03 AM

Chain of Custody

eurofins | Environment Testing

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

890-7494 Chain of Custody

Project Manager:	Michael Wicker	Bill to: (if different)	
Company Name:	CDH Consulting	Company Name:	
Address:	9446 ~~Dorsey~~ Clermont St	Address:	
City, State ZIP:	Thornton CO	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:	Jackson B #029Y	Turn Around	
Project Number:		☐ Routine ☒ Rush	
Project Location:	Loco Hills NM	Due Date:	24 hr
Sampler's Name:	Elizabeth Nuka	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:	TNeor7
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	0.5
Total Containers:		Corrected Temperature:	0.6

ANALYSIS REQUEST

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont	BTEX	TPH	Chloride	Sample Comments
SW02	S	12/19/24	0857	0'-4'	Comp	1	X	X	X	
SW06	↓	↓	1055	↓	↓	↓	X	X	X	
SW07	↓	↓	1135	↓	↓	↓	X	X	X	

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	

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 [signature]	[signature]	13:30 12/19	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Login Sample Receipt Checklist

Client: CDH Consulting

Job Number: 890-7494-1

Login Number: 7494
List Number: 1
Creator: Lopez, Abraham

List Source: Eurofins Carlsbad

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

Login Sample Receipt Checklist

Client: CDH Consulting

Job Number: 890-7494-1

Login Number: 7494
List Number: 2
Creator: Laing, Edmundo

List Source: Eurofins Midland
List Creation: 12/19/24 09:21 PM

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").		

Received by OCD: 3/17/2025 8:23:03 AM

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 1/7/2025 7:58:18 PM

JOB DESCRIPTION

JACKSON B #0294
Loco Hills, NM

JOB NUMBER

890-7543-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

Released to Imaging: 6/16/2025 4:33:04 PM

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
1/7/2025 7:58:18 PM

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

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Definitions/Glossary

Client: CDH Consulting
Project/Site: JACKSON B #0294

Job ID: 890-7543-1
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
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: JACKSON B #0294

Job ID: 890-7543-1

Job ID: 890-7543-1 Eurofins Carlsbad

Job Narrative
890-7543-1

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 1/6/2025 4:20 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 1.6°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: 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.

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: JACKSON B #0294

Job ID: 890-7543-1
SDG: Loco Hills, NM

Client Sample ID: SW02

Lab Sample ID: 890-7543-1
Matrix: Solid

Date Collected: 01/03/25 09:05
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 08:40	01/07/25 16:14	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		01/07/25 08:40	01/07/25 16:14	1
Toluene	<0.00201	U	0.00201		mg/Kg		01/07/25 08:40	01/07/25 16:14	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		01/07/25 08:40	01/07/25 16:14	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		01/07/25 08:40	01/07/25 16:14	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		01/07/25 08:40	01/07/25 16:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*01/07/25 08:40*	*01/07/25 16:14*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*01/07/25 08:40*	*01/07/25 16:14*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			01/07/25 16:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		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	<50.2	U	50.2		mg/Kg		01/07/25 10:51	01/07/25 19:31	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		01/07/25 10:51	01/07/25 19:31	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		01/07/25 10:51	01/07/25 19:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*71*		*70 - 130*	*01/07/25 10:51*	*01/07/25 19:31*	*1*
o-Terphenyl	*77*		*70 - 130*	*01/07/25 10:51*	*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	**255**		10.1		mg/Kg			01/07/25 12:31	1

Surrogate Summary

Client: CDH Consulting
Project/Site: JACKSON B #0294

Job ID: 890-7543-1
SDG: Loco Hills, NM

Method: 8021B - Volatile Organic Compounds (GC)

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

Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
890-7543-1	SW02	114	105
LCS 880-99630/1-A	Lab Control Sample	113	102
LCSD 880-99630/2-A	Lab Control Sample Dup	115	102
MB 880-99630/5-A	Method Blank	109	102

Percent Surrogate Recovery (Acceptance Limits)

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**

Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
890-7543-1	SW02	71	77
890-7543-1 MS	SW02	79	75
890-7543-1 MSD	SW02	80	76
LCS 880-99667/2-A	Lab Control Sample	136 S1+	128
LCSD 880-99667/3-A	Lab Control Sample Dup	137 S1+	130
MB 880-99667/1-A	Method Blank	107	110

Percent Surrogate Recovery (Acceptance Limits)

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: CDH Consulting
Project/Site: JACKSON B #0294

Job ID: 890-7543-1
SDG: Loco Hills, NM

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*

QC Sample Results

Client: CDH Consulting
Project/Site: JACKSON B #0294

Job ID: 890-7543-1
SDG: Loco Hills, NM

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

Lab Sample ID: MB 880-99667/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 99655 — **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 — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 99655 — **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*

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*

Lab Sample ID: 890-7543-1 MS — **Client Sample ID: SW02**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 99655 — **Prep Batch: 99667**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	997	838.4		mg/Kg		84	70 - 130
Diesel Range Organics (Over C10-C28)	<50.2	U	997	837.3		mg/Kg		84	70 - 130

QC Sample Results

Client: CDH Consulting
Project/Site: JACKSON B #0294

Job ID: 890-7543-1
SDG: Loco Hills, NM

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

Lab Sample ID: 890-7543-1 MS
Matrix: Solid
Analysis Batch: 99655

Client Sample ID: SW02
Prep Type: Total/NA
Prep Batch: 99667

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*79*		*70 - 130*
o-Terphenyl	*75*		*70 - 130*

Lab Sample ID: 890-7543-1 MSD
Matrix: Solid
Analysis Batch: 99655

Client Sample ID: SW02
Prep Type: Total/NA
Prep Batch: 99667

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	997	859.1		mg/Kg		86	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<50.2	U	997	866.2		mg/Kg		87	70 - 130	3	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*80*		*70 - 130*
o-Terphenyl	*76*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-99618/1-A
Matrix: Solid
Analysis Batch: 99643

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			01/07/25 09:34	1

Lab Sample ID: LCS 880-99618/2-A
Matrix: Solid
Analysis Batch: 99643

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	229.2		mg/Kg		92	90 - 110		

Lab Sample ID: LCSD 880-99618/3-A
Matrix: Solid
Analysis Batch: 99643

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	230.1		mg/Kg		92	90 - 110	0	20

QC Association Summary

Client: CDH Consulting
Project/Site: JACKSON B #0294

Job ID: 890-7543-1
SDG: Loco Hills, NM

GC VOA

Analysis Batch: 99626

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7543-1	SW02	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

Prep Batch: 99630

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7543-1	SW02	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	

Analysis Batch: 99722

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7543-1	SW02	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 99655

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7543-1	SW02	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
890-7543-1 MS	SW02	Total/NA	Solid	8015B NM	99667
890-7543-1 MSD	SW02	Total/NA	Solid	8015B NM	99667

Prep Batch: 99667

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7543-1	SW02	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	
890-7543-1 MS	SW02	Total/NA	Solid	8015NM Prep	
890-7543-1 MSD	SW02	Total/NA	Solid	8015NM Prep	

Analysis Batch: 99734

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7543-1	SW02	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 99618

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7543-1	SW02	Soluble	Solid	DI Leach	
MB 880-99618/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-99618/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-99618/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 99643

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7543-1	SW02	Soluble	Solid	300.0	99618

QC Association Summary

Client: CDH Consulting
Project/Site: JACKSON B #0294

Job ID: 890-7543-1
SDG: Loco Hills, NM

HPLC/IC (Continued)

Analysis Batch: 99643 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-99618/1-A	Method Blank	Soluble	Solid	300.0	99618
LCS 880-99618/2-A	Lab Control Sample	Soluble	Solid	300.0	99618
LCSD 880-99618/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	99618

Lab Chronicle

Client: CDH Consulting
Project/Site: JACKSON B #0294

Job ID: 890-7543-1
SDG: Loco Hills, NM

Client Sample ID: SW02

Date Collected: 01/03/25 09:05
Date Received: 01/06/25 16:20

Lab Sample ID: 890-7543-1

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 16:14
Total/NA	Analysis	Total BTEX		1	99722	SM	EET MID	01/07/25 16:14
Total/NA	Analysis	8015 NM		1	99734	SM	EET MID	01/07/25 19:31
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 19:31
Soluble	Leach	DI Leach			99618	SA	EET MID	01/07/25 07:55
Soluble	Analysis	300.0		1	99643	CH	EET MID	01/07/25 12:31

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: JACKSON B #0294

Job ID: 890-7543-1
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: JACKSON B #0294

Job ID: 890-7543-1
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: JACKSON B #0294

Job ID: 890-7543-1
SDG: Loco Hills, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-7543-1	SW02	Solid	01/03/25 09:05	01/06/25 16:20	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

Wo

890-7543 Chain of Custody

1/7/2025

Project Manager:	Michael Wicker	Bill to: (if different)	
Company Name:	CDH Consulting	Company Name:	
Address:	9446 Clermont street	Address:	
City, State ZIP:	Thornton, CO	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:	Jackson B #029Y	Turn Around	☐ Routine ☒ Rush
Project Number:		Due Date:	24hr
Project Location:	Loco Hills, NM	TAT starts the day received by the lab, if received by 4:30pm	
Sampler's Name:	Elizabeth Nake		
PO #:			

SAMPLE RECEIPT

Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Samples Received Intact:	(Yes) No	Thermometer ID:	IR#2
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 — Parameters

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	BTEX	TPH	Chlorides
SW02	S	01/03/25	0905	0-4'	Comp	1	X	X	X

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 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 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

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 1630	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Received by OCD: 3/17/2025 8:23:03 AM

Released to Imaging: 6/16/2025 4:35:04 PM

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: 890-4478.1
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 #: 890-7543-1
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: JACKSON B #0294	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)	300_ORGFM_28D/DI_LEACH Chloride	8015MOD_NM/8015NM_S_Prep (MOD) Full TPH	8015MOD_Calc	8021B/5035FP_Calc (MOD) BTEX - LL	Total_BTEX_GCV	Total Number of containers	Special Instructions/Note:
			Preservation Code:										
SW02 (890-7543-1)	1/3/25	09:05 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

Received by OCD: 3/17/2025 8:23:03 AM
Released to Imaging: 6/16/2025 4:35:04 PM
1/7/2025

Login Sample Receipt Checklist

Client: CDH Consulting

Job Number: 890-7543-1
SDG Number: Loco Hills, NM

Login Number: 7543
List Number: 1
Creator: Lopez, Abraham

List Source: Eurofins Carlsbad

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

Login Sample Receipt Checklist

Client: CDH Consulting

Job Number: 890-7543-1
SDG Number: Loco Hills, NM

Login Number: 7543
List Number: 2
Creator: Rios, Minerva

List Source: Eurofins Midland
List Creation: 01/07/25 09:20 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 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.

Released to Imaging: 6/16/2025 4:33:04 PM

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
2/26/2025 3:13:18 PM

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

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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)	
Lab Sample ID	**Client Sample ID**	**BFB1 (70-130)**	**DFBZ1 (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)	
Lab Sample ID	**Client Sample ID**	**1CO1 (70-130)**	**OTPH1 (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'

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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 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:	2-25-2025
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:	IR#007
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

ANALYSIS REQUEST

890-7712 Chain of Custody

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	Parameters
Backfill	S	2-22-2025	14:28	0.5-2'	C	1		NMBLDOC

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 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 [signature]	[signature]	2/25/15:30	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

2/26/2025

Received by OCD: 3/17/2025 8:23:03 AM

Released to Imaging: 6/16/2025 4:35:04 PM

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.

Released to Imaging: 6/16/2025 4:33:04 PM

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
3/6/2025 5:53:59 PM

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

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Definitions/Glossary

Client: CDH Consulting
Job ID: 890-7773-1
Project/Site: WESTALL LINE RELEASE
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*

Client Sample Results

Client: CDH Consulting
Project/Site: WESTALL LINE RELEASE

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

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) (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)	
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(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)	
		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(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 — **Client Sample ID: TOPSOIL**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 104558 — **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 — **Client Sample ID: TOPSOIL**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 104558 — **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 — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 104413 — **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 — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 104413 — **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

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 — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 104415 — **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 — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 104584

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 — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 104584

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 — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 104584

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'

Released to Imaging: 6/16/2025 4:35:04 PM

Received by OCD: 3/17/2025 8:23:03 AM

eurofins | Environment Testing Xenco

Chain of Custody

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

Work Order No: _____

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	☐ Routine ☒ Rush
Project Number:		Due Date:	3/6/2025
Project Location:	Loco Hills NM	TAT starts the day received by the lab, if received by 4:30pm	
Sampler's Name:	Dakotah Cueto		
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: NMBGDOC

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	NMBGDOC	Sample Comments
Topsoil	S	3/4/2025	09:32	3"-9"	C	1	✓	
Backfill	S	3/4/2025	09:48	2.5-3'	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 Dakotah Cueto	[signature]	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

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Allen, Jodi L	Carrier Tracking No(s): N/A	COC No: 890-4693.1
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
	3/5 1630				
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
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

Received by OCD: 3/17/2025 8:23:03 AM
Released to Imaging: 6/16/2025 4:35:04 PM
3/6/2025

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	

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
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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 442849

QUESTIONS

Operator: MR NM Operating LLC 5950 Berkshire Lane Dallas, TX 75225	OGRID: 330506
	Action Number: 442849
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2235556172**
Incident Name	**NAPP2235556172 JACKSON B #029Y @ 30-015-21473**
Incident Type	**Produced Water Release**
Incident Status	**Remediation Closure Report Received**
Incident Well	**[30-015-21473] JACKSON B #029Y**

Location of Release Source	
Please answer all the questions in this group.	
Site Name	JACKSON B #029Y
Date Release Discovered	09/29/2022
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: Downhole Well Maintenance | Well | Produced Water | Released: 18 BBL | Recovered: 0 BBL | Lost: 18 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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Santa Fe, NM 87505

QUESTIONS (continued)

Operator: MR NM Operating LLC 5950 Berkshire Lane Dallas, TX 75225	OGRID: 330506
	Action Number: 442849
	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	**No**
Reasons why this would be considered a submission for a notification of a major release	*Unavailable.*
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response	
The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.	
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	*Not answered.*
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: 09/11/2024

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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: 442849
	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)	Greater than 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Greater than 5 (mi.)
Any other fresh water well or spring	Greater than 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	None
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
Requesting a remediation plan approval with this submission	Yes
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	36200
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	106
GRO+DRO (EPA SW-846 Method 8015M)	106
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	11/15/2024
On what date will (or did) the final sampling or liner inspection occur	12/15/2024
On what date will (or was) the remediation complete(d)	12/15/2024
What is the estimated surface area (in square feet) that will be reclaimed	24000
What is the estimated volume (in cubic yards) that will be reclaimed	4000
What is the estimated surface area (in square feet) that will be remediated	2700
What is the estimated volume (in cubic yards) that will be remediated	2500
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: 442849
	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: 09/11/2024
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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

QUESTIONS (continued)

Operator: MR NM Operating LLC 5950 Berkshire Lane Dallas, TX 75225	OGRID: 330506
	Action Number: 442849
	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

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

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QUESTIONS (continued)

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QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	**415960**
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	**01/03/2025**
What was the (estimated) number of samples that were to be gathered	**1**
What was the sampling surface area in square feet	**200**

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	9342.9
What was the total volume (cubic yards) remediated	2676
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)	See attached Remediation Closure Request.

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: 03/17/2025

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QUESTIONS (continued)

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	Action Number: 442849
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Reclamation Report *Only answer the questions in this group if all reclamation steps have been completed.*	
Requesting a reclamation approval with this submission	No

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CONDITIONS

Action 442849

CONDITIONS

Operator: MR NM Operating LLC 5950 Berkshire Lane Dallas, TX 75225	OGRID: 330506
	Action Number: 442849
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
scott.rodgers	This Remediation Closure Report is approved. Areas reasonably needed for production or subsequent drilling operations will need to be reclaimed and revegetated as soon as they are no longer reasonably needed. A report for reclamation and revegetation will need to be submitted and approved prior to this incident receiving the final status of "Restoration Complete".	6/16/2025