CDH Consulting, LLC
Thornton, Colorado
720.431.7468
www.CDHConsult.com

Site Characterization and Remediation Plan

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

September 11, 2024

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

RE: Site Characterization and Remediation Plan
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,

MR NM Operating, LLC (MR NM) has contracted CDH Consulting, LLC (CDH) to delineate soil impacts and complete remediation services at the Jackson B #029Y (Incident # nAPP2235556172). The results of our site assessment and proposed remediation activities are described in the following pages.

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.

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 on Figure 2 and the boring log is included as Attachment B.

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

DELINEATION OF SOIL IMPACTS

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 photographic log is included as Attachment C.

A total of 16 soil samples were collected from eight sample locations in the impacted area as shown on Figure 3 and analyzed for chlorides, 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, 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 laterally 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.

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 laterally 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 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.

Soil sample SS03J contained TPH below the laboratory reporting limit (53.6 mg/kg); therefore, TPH impacted soil was fully delineated both laterally and vertically.

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, chloride impacted soil was not defined vertically in the source area. Chloride was in-compliance with the chloride 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 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, respectively; 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.

Soil boring logs for SS05 and SS06 are included in Attachment B. Laboratory analytical results are included in Attachment D, summarized in Table 1, and presented on Figure 3.

PROPOSED REMEDIATION WORKPLAN

Based on soil analytical data, approximately 2,500 cubic yards of impacted soil require removal for offsite disposal at an OCD-approved facility. MR NM will remove chloride impacted soil from:

- SS01 to a depth of approximately 2 feet bgs;
- SS03 to a depth of approximately 4 feet bgs;
- SS04 to a depth of approximately 4 feet bgs;
- SS05 to a depth of approximately 40 feet bgs (or the maximum extent practicable [MEP]);
- SS06 to a depth of approximately 20 feet bgs (or MEP);
- SS07 to a depth of approximately 2 feet bgs;
- SS09 to a depth of approximately 2 feet bgs; and
- SS11 to a depth of approximately 2 feet bgs.

Field screening and confirmation soil sampling will be completed to ensure remaining soil is in-compliance with the applicable chloride closure criteria. If chloride exceeds the applicable chloride closure criteria, further excavation will be completed until confirmation soil samples confirm remaining soil is in-compliance with the applicable chloride closure criteria.

CDH requests the OCD approve the collection of one 5-point composite confirmation soil samples from the base and sidewalls of the excavations for every 500 square feet to be submitted for laboratory analysis of chloride. By collecting 5-point composite confirmation soil samples from the base and sidewalls of the excavations for every 500 square feet instead of every 200 square feet, the minimum number of confirmation samples will be reduced from 61 samples to 26 samples, which will more than sufficiently confirm that chloride impacted soil has been successfully removed. The excavations will be backfilled with sloping material (chloride less than 600 mg/kg) or with non-waste containing, uncontaminated, earthen material and reclaimed with an appropriate seed mix.

Sloping material will be placed into 500 cubic yard stockpiles. 5-point composite samples will be collected from the sloping stockpiles to be field screened using Hach Chloride QuanTab® Test Strips. If field screening indicates the sloping stockpile is below the reclamation standard (600 mg/kg), a soil sample will be submitted for laboratory analysis of chloride per United States Environmental Protection Agency (EPA) 300.0 to confirm compliance with the reclamation standard. Once laboratory analytical results indicate the sloping stockpile is in-compliance with the reclamation standard, the native soil will be placed back into the excavation as backfill material. If field screening or 5-point composite samples indicate sloping stockpiles exceed 600 mg/kg the soil will be transported offsite for disposal at an OCD-approved facility.

All soil represented by soil samples that exceeded the applicable closure criteria will be transported offsite and disposed of at an OCD-approved facility.

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

Allison White, P.E.
Program Manager

Attachments:

Figures
Tables
Attachment A – Initial Form C-141
Attachment B – Soil Boring Logs
Attachment C – Photographic Log
Attachment D – Laboratory Analytical Reports

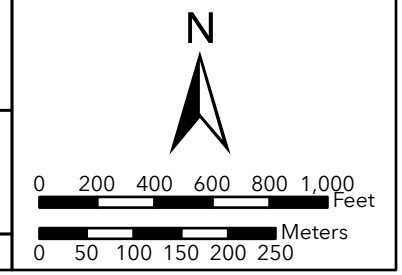
FIGURES

Figure 1 - Point of Release

Jackson B 029Y Wellhead

- Surface Hole Location
- Pad

Scale: 1:8,000



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

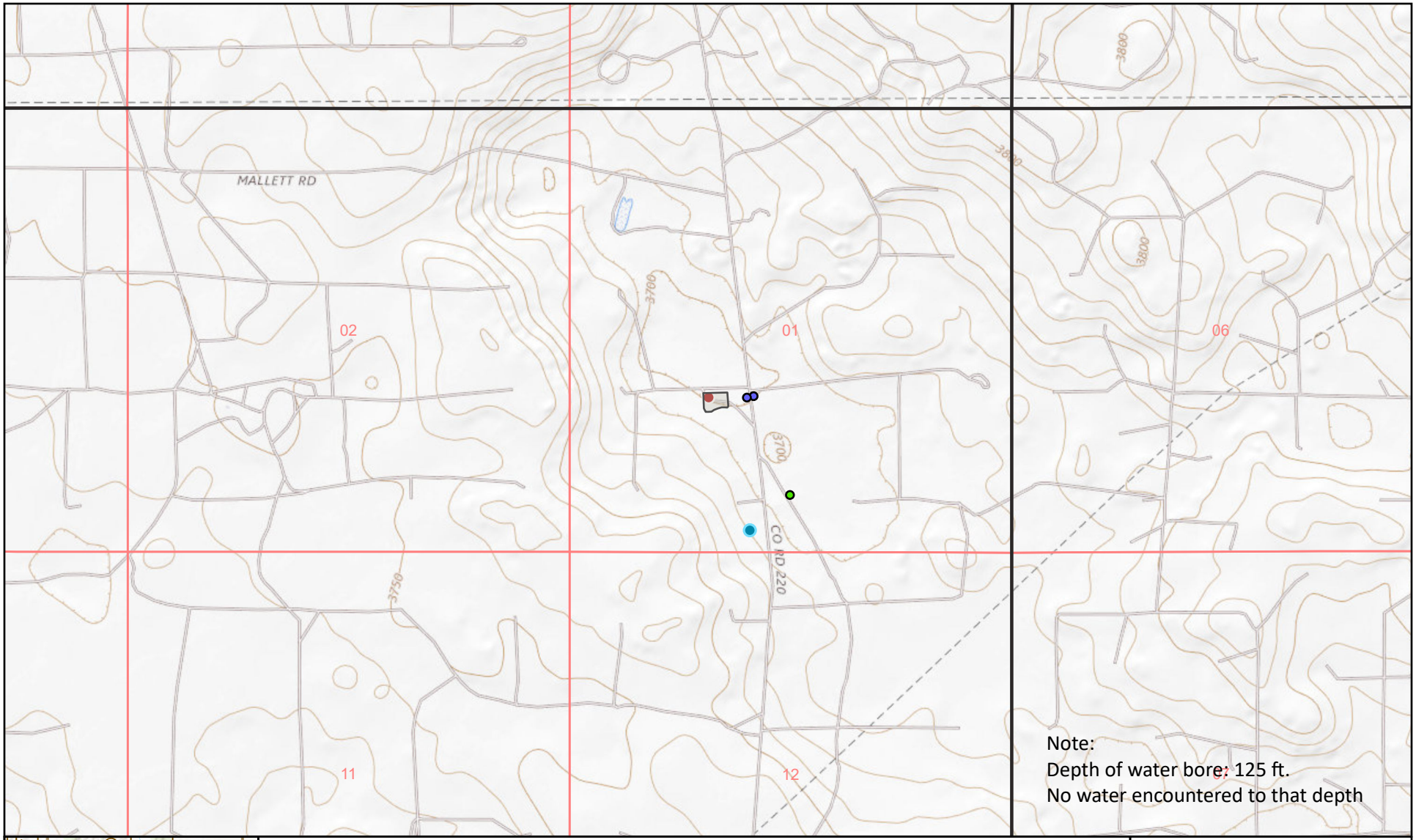


Figure 2 - Topographic Map

Jackson B 029Y Wellhead

- Surface Hole Location
- Water Bore
- Pad

NMOSE Water Point of Diversion

- Active
- Pending

Scale: 1:24,000

N

0 0.1 0.2 0.3 0.4 0.5 Miles

0 0.2 0.4 0.6 0.8 1 Km

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

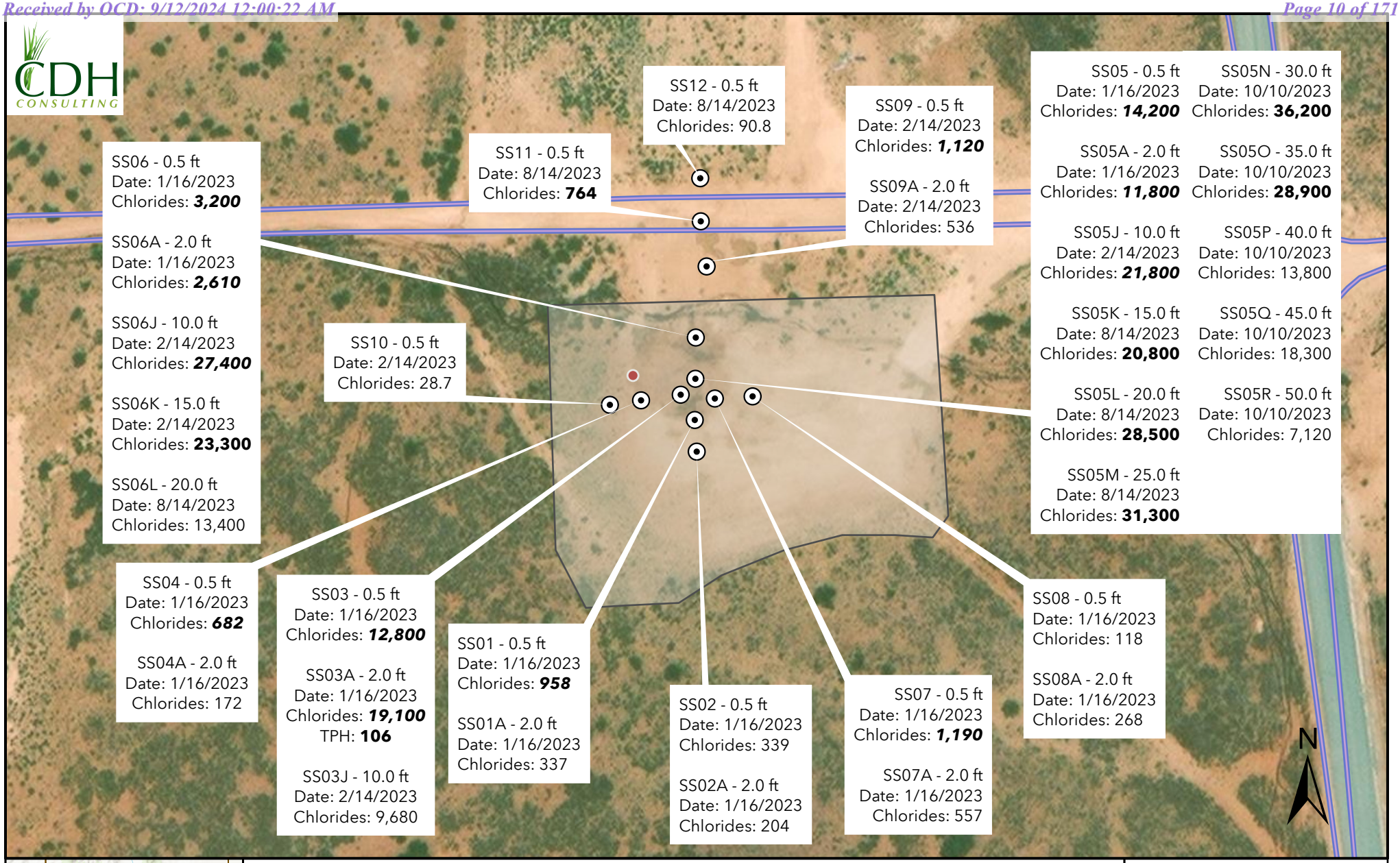


Figure 3 - Soil Sample Results

Jackson B 029Y Wellhead

Surface Hole Location
Soil Sample
Pad
Access Road

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

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

Map Created: 12/19/2023

Scale:
1:1,400

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

TABLE

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

CDH CONSULTING

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

CDH CONSULTING

ATTACHMENT A

Initial Form C-141

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.

Form C-141
Page 2

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:

ATTACHMENT B
Soil Boring Logs

BORING LOG

Project No.: 700438.238.01
Site Name: Jackson B #59
Location: Eddy County, New Mexico
Date: 5/18/2021
Boring Number: B-1

Weather: Clear, Temp.: 75ºF
Logger: D. Adkins
Field Instrument: NA
Latitude: 32.85697 N
Longitude: -103.92703 W

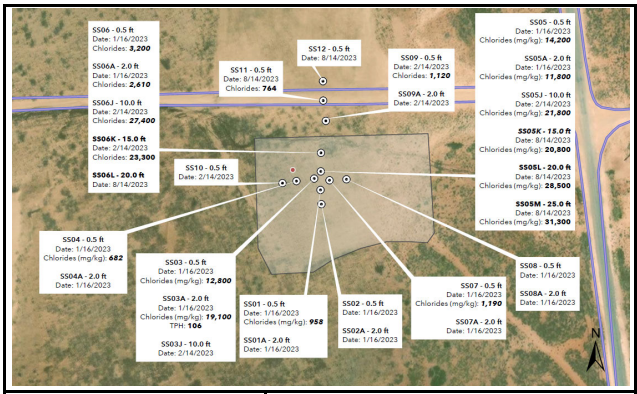
Driller: D. Londagin
Rig Type: Reich Drill
Bit Size: 5-7/8”
Drilling Method: Air Rotary
Sample Retrieval Method: Drill Cuttings

Time	Lab Sample Collected	Sample Interval (ft)	Sample Recovery (ft)	USCS	Composition (%)	Sample Material/Comments Include composition, color, grain size, moisture, hardness, plasticity, density	Hydrocarbon Odor	PID (ppm)
	☐	0-30’				Red/brown fine Sand (SP)	None Slight Mod. Strong	
	☐	30-40’				Red/brown fine Sand (SP) with varying amounts of silt and caliche	None Slight Mod. Strong	
	☐	40-80’				Dry, dark red/brown sandy Silts (SM)	None Slight Mod. Strong	
	☐	80-125’				Red/brown fine Sand (SP)	None Slight Mod. Strong	
	☐					__ TD 125’_	None Slight Mod. Strong	
	☐						None Slight Mod. Strong	
	☐						None Slight Mod. Strong	
	☐						None Slight Mod. Strong	
	☐						None Slight Mod. Strong	
	☐						None Slight Mod. Strong	
	☐						None Slight Mod. Strong	
	☐						None Slight Mod. Strong	

Surface Elevation: _____

Notes: Groundwater Not Encountered @ 125’ BGS – 72 hr.

Logger Initials: DJA

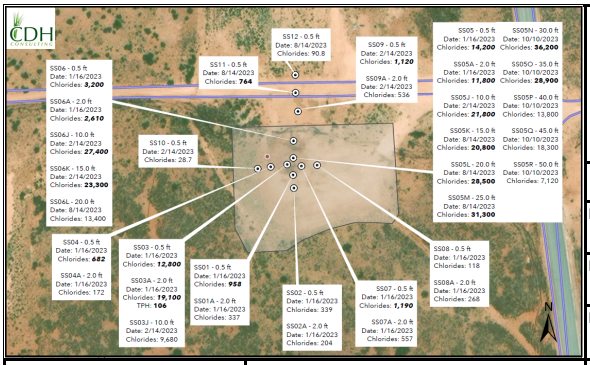


CDH Consulting, LLC
Thornton, Colorado
720.431.7468
www.CDHConsult.com

BORING LOG/MONITORING WELL COMPLETION DIAGRAM

Boring/Well Number: SS05		Project: Cypress - Jackson B-29	
Date: 8/14/2023		Project Number:	
Logged By: Elizabeth Naka		Drilled By: Atkins Engineering	
Elevation:	Detector: Titrators for Chloride Low Range	Drilling Method: Hollow Stem Auger	Sampling Method: Split Spoon
Gravel Pack:		Seal:	Grout:
Casing Type: N/A		Diameter: Length:	Hole Diameter: / Depth to Liquid:
Screen Type: N/A	Slot:	Diameter: Length: N/A	Total Depth: / Depth to Water:

Penetration Resistance	Moisture Content	Chloride (mg/kg)	Staining	Sample #	Depth (ft. bgs.)	Sample Run	Soil/Rock Type	Lithology/Remarks	Well Completion
					0				
					2				
					4				
					6				
					8				
					10				
	M	>600	N		12			redish brown with white lenses. sandy clay	
					14			mostly white/tan sand	
	M	>600	N		15			redish brown with white inclusions. sand	
					16				
					18				
	M	>600	N		20			tan/white sand	
					22				
					24				
	M	>600	N		25			tan/white sand	
					26				
					28				
					30				

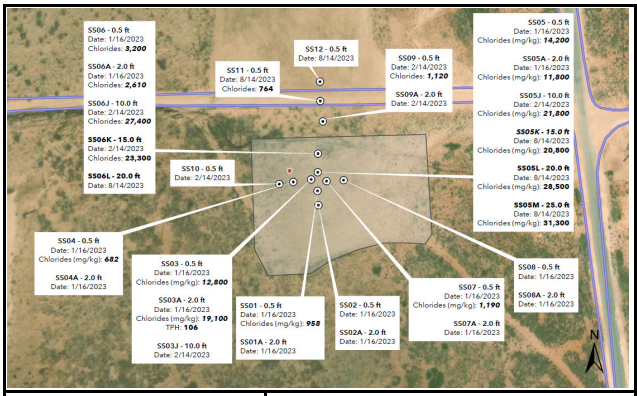


CDH Consulting, LLC
Thornton, Colorado
720.431.7468
www.CDHConsult.com

BORING LOG/MONITORING WELL COMPLETION DIAGRAM

Boring/Well Number: SS05	Project: Cypress - Jackson B-29
Date: 10/10/2023	Project Number: nAPP2235556172
Logged By: Bronson Thacker	Drilled By: Atkins Engineering
Elevation: 3,703	Detector: NA
Drilling Method: Hollow-Stem Auger	Sampling Method: Split-Spoon
Gravel Pack: NA	Seal: NA
Grout: NA	
Casing Type: NA	Diameter: NA / Length: NA
Hole Diameter: NA	Depth to Liquid: NA
Screen Type: NA / Slot: NA	Diameter: NA / Length: NA
Total Depth: NA	Depth to Water: NA

Penetration Resistance	Moisture Content	Chloride (mg/kg)	Staining	Sample #	Depth (ft. bgs.)	Sample Run	Soil/Rock Type	Lithology/Remarks	Well Completion
	Moist	NA	No	SS05N	30			Silty Clayey Sand Fine grained sand, low plasticity, reddish brown, moist, no HC staining/odor, cohesive	
					32				
					34				
	Moist	NA	No	SS05O				SAA	
					36				
					38				
	Moist	NA	No	SS05P	40			SAA	
					42				
					44				
	Moist	NA	No	SS05Q				SAA	
					46				
					48				
	Moist	NA	No	SS05R	50			SAA	
					52			TD @ 51 feet bgs	
					54				
					56				
					58				
					60				



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BORING LOG/MONITORING WELL COMPLETION DIAGRAM

Boring/Well Number: SS06		Project: Cypress - Jackson B-29	
Date: 8/14/2023		Project Number:	
Logged By: Elizabeth Naka		Drilled By: Atkins Engineering	
Elevation:	Detector: Titrators for Chloride Low Range	Drilling Method: Hollow Stem Auger	Sampling Method: Split Spoon
Gravel Pack:		Seal:	Grout:
Casing Type: N/A		Diameter: Length:	Hole Diameter: / Depth to Liquid:
Screen Type: N/A	Slot:	Diameter: Length: N/A	Total Depth: / Depth to Water:

Penetration Resistance	Moisture Content	Vapor (ppm)	Staining	Sample #	Depth (ft. bgs.)	Sample Run	Soil/Rock Type	Lithology/Remarks	Well Completion
					0				
					2				
					4				
					6				
					8				
					10				
	M	>600	N		12			reddish brown, sand	
					14				
	M	>600	N		15			reddish brown sand with white inclusions	
					16				
	M	>600	N		18			reddish brown sand	
	M	>600	N		20			tan brown sand with white inclusions	
	M	>600	N		22			white inclusions increasing in total representation in sample	
					24				
	M	>600	N		25			tan brown sand with white inclusions	
					26				
					28				
					30				

ATTACHMENT C
Photographic Log

Site Assessment & Proposed Remediation Workplan
MR NM Operating, LLC
Jackson B #029Y
32.8613129, -103.9286346
Loco Hills, New Mexico

Photo 1: View of wellhead facing west


Photo 2: View of sample location looking west

Site Assessment & Proposed Remediation Workplan
MR NM Operating, LLC
Jackson B #029Y
32.8613129, -103.9286346
Loco Hills, New Mexico

Photo 3: View of site facing north

Photo 4: View of site facing east

Site Assessment & Proposed Remediation Workplan
MR NM Operating, LLC
Jackson B #029Y
32.8613129, -103.9286346
Loco Hills, New Mexico

Photo 5: View of site facing south

Photo 6: View of site facing west

Site Assessment & Proposed Remediation Workplan
MR NM Operating, LLC
Jackson B #029Y
32.8613129, -103.9286346
Loco Hills, New Mexico

Photo 7: Soil boring SS05 (29-31 feet bgs)

Photo 8: Soil boring SS05 (34-36 feet bgs)

CDH CONSULTING

Site Assessment & Proposed Remediation Workplan
MR NM Operating, LLC
Jackson B #029Y
32.8613129, -103.9286346
Loco Hills, New Mexico

Photo 9: Soil boring SS05 (39-41 feet bgs)

Photo 10: Soil boring SS05 (44-46 feet bgs)

Site Assessment & Proposed Remediation Workplan
MR NM Operating, LLC
Jackson B #029Y
32.8613129, -103.9286346
Loco Hills, New Mexico

Photo 11: Soil boring SS05 (49-51 feet bgs)

ATTACHMENT D

Laboratory Analytical Report

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Chris Del Hierro
CDH Consulting
9446 Clermont St,
Thornton, Colorado 80229

Generated 1/30/2023 9:44:02 AM

JOB DESCRIPTION

Jackson B #029Y

JOB NUMBER

890-3874-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

my EOL

Eurofins Carlsbad

Job Notes

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
1/30/2023 9:44:02 AM

Authorized for release by
Irene Vann, Project Manager
Irene.Vann@et.eurofinsus.com
(210)509-3334

Client: CDH Consulting
Project/Site: Jackson B #029Y

Laboratory Job ID: 890-3874-1

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Definitions/Glossary

Client: CDH Consulting
Project/Site: Jackson B #029Y

Job ID: 890-3874-1

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
*+	LCS and/or LCSD is outside acceptance limits, high biased.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: CDH Consulting
Project/Site: Jackson B #029Y

Job ID: 890-3874-1

Job ID: 890-3874-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative
890-3874-1

Receipt
The samples were received on 1/17/2023 4:50 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: SS01 (890-3874-1), SS01A (890-3874-2), SS02 (890-3874-3), SS02A (890-3874-4), SS03 (890-3874-5), SS03A (890-3874-6), SS04 (890-3874-7), SS04A (890-3874-8), SS05 (890-3874-9), SS05A (890-3874-10), SS06 (890-3874-11), SS06A (890-3874-12), SS07 (890-3874-13), SS07A (890-3874-14), SS08 (890-3874-15) and SS08A (890-3874-16).

GC VOA
Method 8021B: Surrogate recovery for the following samples were outside control limits: SS01 (890-3874-1), SS01A (890-3874-2), SS02 (890-3874-3), SS02A (890-3874-4), SS03 (890-3874-5), SS03A (890-3874-6), SS04 (890-3874-7), SS04A (890-3874-8), SS05 (890-3874-9), SS05A (890-3874-10), SS06A (890-3874-12), SS07 (890-3874-13), SS08 (890-3874-15), SS08A (890-3874-16) and (890-3874-A-1-H MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following sample was outside control limits: (LCS 880-44394/1-A). Evidence of matrix interferences is not obvious.

Method 8021B: The matrix spike duplicate (MSD) recoveries for preparation batch 880-44394 and analytical batch 880-44514 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

GC Semi VOA
Method 8015MOD_NM: Spike compounds were inadvertently omitted during the extraction process for the matrix spike/matrix spike duplicate (MS/MSD); therefore, matrix spike recoveries are unavailable for preparation batch 880-44346 and analytical batch 880-44956. The associated laboratory control sample (LCS) met acceptance criteria.

Method 8015MOD_NM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-44346 and analytical batch 880-44956 recovered outside control limits for the following analytes: Diesel Range Organics (Over C10-C28).

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: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-44390 and analytical batch 880-44505 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

Client Sample Results

Client: CDH Consulting
Project/Site: Jackson B #029Y

Job ID: 890-3874-1

Client Sample ID: SS01

Lab Sample ID: 890-3874-1
Matrix: Solid
Date Collected: 01/16/23 10:45
Date Received: 01/17/23 16:50
Sample Depth: 0.5'

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		01/19/23 16:42	01/23/23 12:35	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/19/23 16:42	01/23/23 12:35	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/19/23 16:42	01/23/23 12:35	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		01/19/23 16:42	01/23/23 12:35	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		01/19/23 16:42	01/23/23 12:35	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/19/23 16:42	01/23/23 12:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*140*	*S1+*	*70 - 130*	*01/19/23 16:42*	*01/23/23 12:35*	*1*
1,4-Difluorobenzene (Surr)	*80*		*70 - 130*	*01/19/23 16:42*	*01/23/23 12:35*	*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			01/23/23 16:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/30/23 09:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1 F2	49.9		mg/Kg		01/19/23 13:40	01/28/23 15:56	1
Diesel Range Organics (Over C10-C28)	<49.9	U *+ F1 F2	49.9		mg/Kg		01/19/23 13:40	01/28/23 15:56	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/19/23 13:40	01/28/23 15:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*42*	*S1-*	*70 - 130*	*01/19/23 13:40*	*01/28/23 15:56*	*1*
o-Terphenyl	*33*	*S1-*	*70 - 130*	*01/19/23 13:40*	*01/28/23 15:56*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**958**	**F1**	5.02		mg/Kg			01/22/23 12:14	1

Client Sample ID: SS01A

Lab Sample ID: 890-3874-2
Matrix: Solid
Date Collected: 01/16/23 10:50
Date Received: 01/17/23 16:50
Sample Depth: 2.0'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/19/23 16:42	01/23/23 13:02	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/19/23 16:42	01/23/23 13:02	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/19/23 16:42	01/23/23 13:02	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		01/19/23 16:42	01/23/23 13:02	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		01/19/23 16:42	01/23/23 13:02	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/19/23 16:42	01/23/23 13:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*147*	*S1+*	*70 - 130*	*01/19/23 16:42*	*01/23/23 13:02*	*1*

Client Sample Results

Client: CDH Consulting
Project/Site: Jackson B #029Y

Job ID: 890-3874-1

Client Sample ID: SS01A

Lab Sample ID: 890-3874-2
Matrix: Solid
Date Collected: 01/16/23 10:50
Date Received: 01/17/23 16:50
Sample Depth: 2.0'

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*	*01/19/23 16:42*	*01/23/23 13:02*	*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			01/23/23 16:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			01/30/23 09:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		01/19/23 13:40	01/28/23 17:10	1
Diesel Range Organics (Over C10-C28)	<49.8	U *+	49.8		mg/Kg		01/19/23 13:40	01/28/23 17:10	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		01/19/23 13:40	01/28/23 17:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*49*	*S1-*	*70 - 130*	*01/19/23 13:40*	*01/28/23 17:10*	*1*
o-Terphenyl	*46*	*S1-*	*70 - 130*	*01/19/23 13:40*	*01/28/23 17:10*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**377**		4.97		mg/Kg			01/22/23 12:32	1

Client Sample ID: SS02

Lab Sample ID: 890-3874-3
Matrix: Solid
Date Collected: 01/16/23 11:00
Date Received: 01/17/23 16:50
Sample Depth: 0.5'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		01/19/23 16:42	01/23/23 13:28	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/19/23 16:42	01/23/23 13:28	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/19/23 16:42	01/23/23 13:28	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/19/23 16:42	01/23/23 13:28	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/19/23 16:42	01/23/23 13:28	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/19/23 16:42	01/23/23 13:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*146*	*S1+*	*70 - 130*	*01/19/23 16:42*	*01/23/23 13:28*	*1*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*	*01/19/23 16:42*	*01/23/23 13:28*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			01/23/23 16:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/30/23 09:44	1

Client Sample Results

Client: CDH Consulting
Job ID: 890-3874-1
Project/Site: Jackson B #029Y

Client Sample ID: SS02
Lab Sample ID: 890-3874-3
Date Collected: 01/16/23 11:00
Matrix: Solid
Date Received: 01/17/23 16:50
Sample Depth: 0.5'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		01/19/23 13:40	01/28/23 17:36	1
Diesel Range Organics (Over C10-C28)	<49.9	U *+	49.9		mg/Kg		01/19/23 13:40	01/28/23 17:36	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/19/23 13:40	01/28/23 17:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*22*	*S1-*	*70 - 130*	*01/19/23 13:40*	*01/28/23 17:36*	*1*
o-Terphenyl	*13*	*S1-*	*70 - 130*	*01/19/23 13:40*	*01/28/23 17:36*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**339**		4.99		mg/Kg			01/22/23 12:38	1

Client Sample ID: SS02A
Lab Sample ID: 890-3874-4
Date Collected: 01/16/23 11:05
Matrix: Solid
Date Received: 01/17/23 16:50
Sample Depth: 2.0'

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		01/19/23 16:42	01/23/23 13:55	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		01/19/23 16:42	01/23/23 13:55	1
Toluene	<0.00201	U	0.00201		mg/Kg		01/19/23 16:42	01/23/23 13:55	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		01/19/23 16:42	01/23/23 13:55	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		01/19/23 16:42	01/23/23 13:55	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		01/19/23 16:42	01/23/23 13:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*144*	*S1+*	*70 - 130*	*01/19/23 16:42*	*01/23/23 13:55*	*1*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*	*01/19/23 16:42*	*01/23/23 13:55*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			01/23/23 16:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			01/30/23 09:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		01/19/23 13:40	01/28/23 18:00	1
Diesel Range Organics (Over C10-C28)	<49.8	U *+	49.8		mg/Kg		01/19/23 13:40	01/28/23 18:00	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		01/19/23 13:40	01/28/23 18:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*31*	*S1-*	*70 - 130*	*01/19/23 13:40*	*01/28/23 18:00*	*1*
o-Terphenyl	*23*	*S1-*	*70 - 130*	*01/19/23 13:40*	*01/28/23 18:00*	*1*

Client Sample Results

Client: CDH Consulting
Project/Site: Jackson B #029Y

Job ID: 890-3874-1

Client Sample ID: SS02A

Lab Sample ID: 890-3874-4
Matrix: Solid
Date Collected: 01/16/23 11:05
Date Received: 01/17/23 16:50
Sample Depth: 2.0'

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**240**		5.05		mg/Kg			01/22/23 12:45	1

Client Sample ID: SS03

Lab Sample ID: 890-3874-5
Matrix: Solid
Date Collected: 01/16/23 11:10
Date Received: 01/17/23 16:50
Sample Depth: 0.5'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		01/19/23 16:42	01/23/23 14:21	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		01/19/23 16:42	01/23/23 14:21	1
Toluene	<0.00202	U	0.00202		mg/Kg		01/19/23 16:42	01/23/23 14:21	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		01/19/23 16:42	01/23/23 14:21	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		01/19/23 16:42	01/23/23 14:21	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		01/19/23 16:42	01/23/23 14:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*143*	*S1+*	*70 - 130*	*01/19/23 16:42*	*01/23/23 14:21*	*1*
1,4-Difluorobenzene (Surr)	*82*		*70 - 130*	*01/19/23 16:42*	*01/23/23 14:21*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			01/23/23 16:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**54.0**		49.9		mg/Kg			01/30/23 09:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		01/19/23 13:40	01/28/23 18:24	1
Diesel Range Organics (Over C10-C28)	**54.0**	***+**	49.9		mg/Kg		01/19/23 13:40	01/28/23 18:24	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/19/23 13:40	01/28/23 18:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*42*	*S1-*	*70 - 130*	*01/19/23 13:40*	*01/28/23 18:24*	*1*
o-Terphenyl	*35*	*S1-*	*70 - 130*	*01/19/23 13:40*	*01/28/23 18:24*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**12800**		101		mg/Kg			01/22/23 12:51	20

Client Sample Results

Client: CDH Consulting
Project/Site: Jackson B #029Y

Job ID: 890-3874-1

Client Sample ID: SS03A

Lab Sample ID: 890-3874-6
Matrix: Solid
Date Collected: 01/16/23 11:15
Date Received: 01/17/23 16:50
Sample Depth: 2.0'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		01/19/23 16:42	01/23/23 14:48	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/19/23 16:42	01/23/23 14:48	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/19/23 16:42	01/23/23 14:48	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/19/23 16:42	01/23/23 14:48	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/19/23 16:42	01/23/23 14:48	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/19/23 16:42	01/23/23 14:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*141*	*S1+*	*70 - 130*	*01/19/23 16:42*	*01/23/23 14:48*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*01/19/23 16:42*	*01/23/23 14:48*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			01/23/23 16:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**106**		50.0		mg/Kg			01/30/23 09:44	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		01/19/23 13:40	01/28/23 18:48	1
Diesel Range Organics (Over C10-C28)	**106**	***+**	50.0		mg/Kg		01/19/23 13:40	01/28/23 18:48	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/19/23 13:40	01/28/23 18:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*44*	*S1-*	*70 - 130*	*01/19/23 13:40*	*01/28/23 18:48*	*1*
o-Terphenyl	*38*	*S1-*	*70 - 130*	*01/19/23 13:40*	*01/28/23 18:48*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**19100**		250		mg/Kg			01/22/23 13:09	50

Client Sample ID: SS04

Lab Sample ID: 890-3874-7
Matrix: Solid
Date Collected: 01/16/23 11:20
Date Received: 01/17/23 16:50
Sample Depth: 0.5'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		01/19/23 16:42	01/23/23 15:14	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/19/23 16:42	01/23/23 15:14	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/19/23 16:42	01/23/23 15:14	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/19/23 16:42	01/23/23 15:14	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/19/23 16:42	01/23/23 15:14	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/19/23 16:42	01/23/23 15:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*143*	*S1+*	*70 - 130*	*01/19/23 16:42*	*01/23/23 15:14*	*1*

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Client Sample Results

Client: CDH Consulting
Project/Site: Jackson B #029Y

Job ID: 890-3874-1

Client Sample ID: SS04

Lab Sample ID: 890-3874-7
Matrix: Solid
Date Collected: 01/16/23 11:20
Date Received: 01/17/23 16:50
Sample Depth: 0.5'

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*82*		*70 - 130*	*01/19/23 16:42*	*01/23/23 15:14*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			01/23/23 16:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			01/30/23 09:44	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		01/19/23 13:40	01/28/23 19:13	1
Diesel Range Organics (Over C10-C28)	<50.0	U *+	50.0		mg/Kg		01/19/23 13:40	01/28/23 19:13	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/19/23 13:40	01/28/23 19:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*14*	*S1-*	*70 - 130*	*01/19/23 13:40*	*01/28/23 19:13*	*1*
o-Terphenyl	*4*	*S1-*	*70 - 130*	*01/19/23 13:40*	*01/28/23 19:13*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**682**		5.00		mg/Kg			01/22/23 13:15	1

Client Sample ID: SS04A

Lab Sample ID: 890-3874-8
Matrix: Solid
Date Collected: 01/16/23 11:25
Date Received: 01/17/23 16:50
Sample Depth: 2.0'

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		01/19/23 16:42	01/23/23 15:41	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		01/19/23 16:42	01/23/23 15:41	1
Toluene	<0.00201	U	0.00201		mg/Kg		01/19/23 16:42	01/23/23 15:41	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		01/19/23 16:42	01/23/23 15:41	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		01/19/23 16:42	01/23/23 15:41	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		01/19/23 16:42	01/23/23 15:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*148*	*S1+*	*70 - 130*	*01/19/23 16:42*	*01/23/23 15:41*	*1*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*	*01/19/23 16:42*	*01/23/23 15:41*	*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			01/23/23 16:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			01/30/23 09:44	1

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Client Sample Results

Client: CDH Consulting
Project/Site: Jackson B #029Y

Job ID: 890-3874-1

Client Sample ID: SS04A

Lab Sample ID: 890-3874-8
Matrix: Solid
Date Collected: 01/16/23 11:25
Date Received: 01/17/23 16:50
Sample Depth: 2.0'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/19/23 13:40	01/28/23 19:37	1
Diesel Range Organics (Over C10-C28)	<50.0	U *+	50.0		mg/Kg		01/19/23 13:40	01/28/23 19:37	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/19/23 13:40	01/28/23 19:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*18*	*S1-*	*70 - 130*	*01/19/23 13:40*	*01/28/23 19:37*	*1*
o-Terphenyl	*7*	*S1-*	*70 - 130*	*01/19/23 13:40*	*01/28/23 19:37*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**172**		5.03		mg/Kg			01/22/23 13:21	1

Client Sample ID: SS05

Lab Sample ID: 890-3874-9
Matrix: Solid
Date Collected: 01/16/23 11:30
Date Received: 01/17/23 16:50
Sample Depth: 0.5'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		01/19/23 16:42	01/23/23 16:08	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		01/19/23 16:42	01/23/23 16:08	1
Toluene	<0.00202	U	0.00202		mg/Kg		01/19/23 16:42	01/23/23 16:08	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		01/19/23 16:42	01/23/23 16:08	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		01/19/23 16:42	01/23/23 16:08	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		01/19/23 16:42	01/23/23 16:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*139*	*S1+*	*70 - 130*	*01/19/23 16:42*	*01/23/23 16:08*	*1*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*	*01/19/23 16:42*	*01/23/23 16:08*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			01/23/23 16:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/30/23 09:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		01/19/23 13:40	01/28/23 20:02	1
Diesel Range Organics (Over C10-C28)	<49.9	U *+	49.9		mg/Kg		01/19/23 13:40	01/28/23 20:02	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/19/23 13:40	01/28/23 20:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*9*	*S1-*	*70 - 130*	*01/19/23 13:40*	*01/28/23 20:02*	*1*
o-Terphenyl	*0.5*	*S1-*	*70 - 130*	*01/19/23 13:40*	*01/28/23 20:02*	*1*

Client Sample Results

Client: CDH Consulting
Project/Site: Jackson B #029Y

Job ID: 890-3874-1

Client Sample ID: SS05

Lab Sample ID: 890-3874-9
Matrix: Solid
Date Collected: 01/16/23 11:30
Date Received: 01/17/23 16:50
Sample Depth: 0.5'

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	14200		251		mg/Kg			01/22/23 13:28	50

Client Sample ID: SS05A

Lab Sample ID: 890-3874-10
Matrix: Solid
Date Collected: 01/16/23 11:35
Date Received: 01/17/23 16:50
Sample Depth: 2.0'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		01/19/23 16:42	01/23/23 16:35	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/19/23 16:42	01/23/23 16:35	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/19/23 16:42	01/23/23 16:35	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/19/23 16:42	01/23/23 16:35	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/19/23 16:42	01/23/23 16:35	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/19/23 16:42	01/23/23 16:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*150*	*S1+*	*70 - 130*	*01/19/23 16:42*	*01/23/23 16:35*	*1*
1,4-Difluorobenzene (Surr)	*77*		*70 - 130*	*01/19/23 16:42*	*01/23/23 16:35*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			01/24/23 13:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			01/30/23 09:44	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		01/19/23 13:40	01/28/23 20:27	1
Diesel Range Organics (Over C10-C28)	<50.0	U *+	50.0		mg/Kg		01/19/23 13:40	01/28/23 20:27	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/19/23 13:40	01/28/23 20:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*16*	*S1-*	*70 - 130*	*01/19/23 13:40*	*01/28/23 20:27*	*1*
o-Terphenyl	*8*	*S1-*	*70 - 130*	*01/19/23 13:40*	*01/28/23 20:27*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11800		99.6		mg/Kg			01/22/23 13:34	20

Client Sample Results

Client: CDH Consulting
Project/Site: Jackson B #029Y

Job ID: 890-3874-1

Client Sample ID: SS06

Lab Sample ID: 890-3874-11
Matrix: Solid
Date Collected: 01/16/23 11:40
Date Received: 01/17/23 16:50
Sample Depth: 0.5'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/19/23 16:42	01/23/23 18:23	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/19/23 16:42	01/23/23 18:23	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/19/23 16:42	01/23/23 18:23	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		01/19/23 16:42	01/23/23 18:23	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		01/19/23 16:42	01/23/23 18:23	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/19/23 16:42	01/23/23 18:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*143*	*S1+*	*70 - 130*	*01/19/23 16:42*	*01/23/23 18:23*	*1*
1,4-Difluorobenzene (Surr)	*83*		*70 - 130*	*01/19/23 16:42*	*01/23/23 18:23*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			01/27/23 12:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/30/23 09:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		01/19/23 13:40	01/28/23 21:15	1
Diesel Range Organics (Over C10-C28)	<49.9	U *+	49.9		mg/Kg		01/19/23 13:40	01/28/23 21:15	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/19/23 13:40	01/28/23 21:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*24*	*S1-*	*70 - 130*	*01/19/23 13:40*	*01/28/23 21:15*	*1*
o-Terphenyl	*19*	*S1-*	*70 - 130*	*01/19/23 13:40*	*01/28/23 21:15*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3200**	**F1**	24.8		mg/Kg			01/22/23 13:40	5

Client Sample ID: SS06A

Lab Sample ID: 890-3874-12
Matrix: Solid
Date Collected: 01/16/23 11:45
Date Received: 01/17/23 16:50
Sample Depth: 2.0'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		01/19/23 16:42	01/23/23 18:50	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/19/23 16:42	01/23/23 18:50	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/19/23 16:42	01/23/23 18:50	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/19/23 16:42	01/23/23 18:50	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/19/23 16:42	01/23/23 18:50	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/19/23 16:42	01/23/23 18:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*162*	*S1+*	*70 - 130*	*01/19/23 16:42*	*01/23/23 18:50*	*1*

Client Sample Results

Client: CDH Consulting
Project/Site: Jackson B #029Y

Job ID: 890-3874-1

Client Sample ID: SS06A

Lab Sample ID: 890-3874-12
Matrix: Solid
Date Collected: 01/16/23 11:45
Date Received: 01/17/23 16:50
Sample Depth: 2.0'

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*	*01/19/23 16:42*	*01/23/23 18:50*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			01/24/23 13:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/30/23 09:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		01/19/23 13:40	01/28/23 21:41	1
Diesel Range Organics (Over C10-C28)	<49.9	U *+	49.9		mg/Kg		01/19/23 13:40	01/28/23 21:41	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/19/23 13:40	01/28/23 21:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*35*	*S1-*	*70 - 130*	*01/19/23 13:40*	*01/28/23 21:41*	*1*
o-Terphenyl	*24*	*S1-*	*70 - 130*	*01/19/23 13:40*	*01/28/23 21:41*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2610**		25.2		mg/Kg			01/22/23 13:58	5

Client Sample ID: SS07

Lab Sample ID: 890-3874-13
Matrix: Solid
Date Collected: 01/16/23 11:50
Date Received: 01/17/23 16:50
Sample Depth: 0.5'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		01/19/23 16:42	01/23/23 19:17	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/19/23 16:42	01/23/23 19:17	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/19/23 16:42	01/23/23 19:17	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/19/23 16:42	01/23/23 19:17	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/19/23 16:42	01/23/23 19:17	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/19/23 16:42	01/23/23 19:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*156*	*S1+*	*70 - 130*	*01/19/23 16:42*	*01/23/23 19:17*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*01/19/23 16:42*	*01/23/23 19:17*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			01/24/23 13:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			01/30/23 09:44	1

Eurofins Carlsbad

Client Sample Results

Client: CDH Consulting
Job ID: 890-3874-1
Project/Site: Jackson B #029Y

Client Sample ID: SS07
Lab Sample ID: 890-3874-13
Date Collected: 01/16/23 11:50
Matrix: Solid
Date Received: 01/17/23 16:50
Sample Depth: 0.5'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/19/23 13:40	01/28/23 22:03	1
Diesel Range Organics (Over C10-C28)	<50.0	U *+	50.0		mg/Kg		01/19/23 13:40	01/28/23 22:03	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/19/23 13:40	01/28/23 22:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*50*	*S1-*	*70 - 130*	*01/19/23 13:40*	*01/28/23 22:03*	*1*
o-Terphenyl	*46*	*S1-*	*70 - 130*	*01/19/23 13:40*	*01/28/23 22:03*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1190**		4.97		mg/Kg			01/22/23 14:05	1

Client Sample ID: SS07A
Lab Sample ID: 890-3874-14
Date Collected: 01/16/23 11:55
Matrix: Solid
Date Received: 01/17/23 16:50
Sample Depth: 2.0'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/19/23 16:42	01/23/23 19:45	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/19/23 16:42	01/23/23 19:45	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/19/23 16:42	01/23/23 19:45	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		01/19/23 16:42	01/23/23 19:45	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		01/19/23 16:42	01/23/23 19:45	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/19/23 16:42	01/23/23 19:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*126*		*70 - 130*	*01/19/23 16:42*	*01/23/23 19:45*	*1*
1,4-Difluorobenzene (Surr)	*83*		*70 - 130*	*01/19/23 16:42*	*01/23/23 19:45*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			01/24/23 13:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			01/30/23 09:44	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		01/19/23 13:40	01/28/23 22:26	1
Diesel Range Organics (Over C10-C28)	<50.0	U *+	50.0		mg/Kg		01/19/23 13:40	01/28/23 22:26	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/19/23 13:40	01/28/23 22:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*42*	*S1-*	*70 - 130*	*01/19/23 13:40*	*01/28/23 22:26*	*1*
o-Terphenyl	*40*	*S1-*	*70 - 130*	*01/19/23 13:40*	*01/28/23 22:26*	*1*

Client Sample Results

Client: CDH Consulting
Project/Site: Jackson B #029Y

Job ID: 890-3874-1

Client Sample ID: SS07A

Lab Sample ID: 890-3874-14
Matrix: Solid
Date Collected: 01/16/23 11:55
Date Received: 01/17/23 16:50
Sample Depth: 2.0'

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	557		5.03		mg/Kg			01/22/23 14:23	1

Client Sample ID: SS08

Lab Sample ID: 890-3874-15
Matrix: Solid
Date Collected: 01/16/23 12:00
Date Received: 01/17/23 16:50
Sample Depth: 0.5'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/19/23 16:42	01/23/23 20:13	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/19/23 16:42	01/23/23 20:13	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/19/23 16:42	01/23/23 20:13	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		01/19/23 16:42	01/23/23 20:13	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		01/19/23 16:42	01/23/23 20:13	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/19/23 16:42	01/23/23 20:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*149*	*S1+*	*70 - 130*	*01/19/23 16:42*	*01/23/23 20:13*	*1*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*	*01/19/23 16:42*	*01/23/23 20:13*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			01/24/23 13:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/30/23 09:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		01/19/23 13:40	01/28/23 22:48	1
Diesel Range Organics (Over C10-C28)	<49.9	U *+	49.9		mg/Kg		01/19/23 13:40	01/28/23 22:48	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/19/23 13:40	01/28/23 22:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*108*		*70 - 130*	*01/19/23 13:40*	*01/28/23 22:48*	*1*
o-Terphenyl	*119*		*70 - 130*	*01/19/23 13:40*	*01/28/23 22:48*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	118		5.00		mg/Kg			01/22/23 14:29	1

Client Sample Results

Client: CDH Consulting
Project/Site: Jackson B #029Y

Job ID: 890-3874-1

Client Sample ID: SS08A

Date Collected: 01/16/23 12:05
Date Received: 01/17/23 16:50
Sample Depth: 2.0'

Lab Sample ID: 890-3874-16

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		01/19/23 16:42	01/23/23 20:39	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/19/23 16:42	01/23/23 20:39	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/19/23 16:42	01/23/23 20:39	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/19/23 16:42	01/23/23 20:39	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/19/23 16:42	01/23/23 20:39	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/19/23 16:42	01/23/23 20:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*159*	*S1+*	*70 - 130*	*01/19/23 16:42*	*01/23/23 20:39*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*01/19/23 16:42*	*01/23/23 20:39*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			01/24/23 13:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/30/23 09:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		01/19/23 13:40	01/28/23 23:09	1
Diesel Range Organics (Over C10-C28)	<49.9	U *+	49.9		mg/Kg		01/19/23 13:40	01/28/23 23:09	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/19/23 13:40	01/28/23 23:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*109*		*70 - 130*	*01/19/23 13:40*	*01/28/23 23:09*	*1*
o-Terphenyl	*123*		*70 - 130*	*01/19/23 13:40*	*01/28/23 23:09*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**268**		4.98		mg/Kg			01/22/23 14:35	1

Surrogate Summary

Client: CDH Consulting
Project/Site: Jackson B #029Y

Job ID: 890-3874-1

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)
890-3874-1	SS01	140 S1+	80
890-3874-1 MS	SS01	128	76
890-3874-1 MSD	SS01	140 S1+	90
890-3874-2	SS01A	147 S1+	88
890-3874-3	SS02	146 S1+	88
890-3874-4	SS02A	144 S1+	85
890-3874-5	SS03	143 S1+	82
890-3874-6	SS03A	141 S1+	89
890-3874-7	SS04	143 S1+	82
890-3874-8	SS04A	148 S1+	85
890-3874-9	SS05	139 S1+	88
890-3874-10	SS05A	150 S1+	77
890-3874-11	SS06	143 S1+	83
890-3874-12	SS06A	162 S1+	88
890-3874-13	SS07	156 S1+	89
890-3874-14	SS07A	126	83
890-3874-15	SS08	149 S1+	87
890-3874-16	SS08A	159 S1+	89
LCS 880-44394/1-A	Lab Control Sample	137 S1+	90
LCSD 880-44394/2-A	Lab Control Sample Dup	130	90
MB 880-44394/5-A	Method Blank	93	82

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)
890-3874-1	SS01	42 S1-	33 S1-
890-3874-1 MS	SS01	5 S1-	0.5 S1-
890-3874-1 MSD	SS01	1 S1-	0.4 S1-
890-3874-2	SS01A	49 S1-	46 S1-
890-3874-3	SS02	22 S1-	13 S1-
890-3874-4	SS02A	31 S1-	23 S1-
890-3874-5	SS03	42 S1-	35 S1-
890-3874-6	SS03A	44 S1-	38 S1-
890-3874-7	SS04	14 S1-	4 S1-
890-3874-8	SS04A	18 S1-	7 S1-
890-3874-9	SS05	9 S1-	0.5 S1-
890-3874-10	SS05A	16 S1-	8 S1-
890-3874-11	SS06	24 S1-	19 S1-
890-3874-12	SS06A	35 S1-	24 S1-
890-3874-13	SS07	50 S1-	46 S1-
890-3874-14	SS07A	42 S1-	40 S1-
890-3874-15	SS08	108	119
890-3874-16	SS08A	109	123

Surrogate Summary

Client: CDH Consulting Job ID: 890-3874-1
Project/Site: Jackson B #029Y

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

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

		Percent Surrogate Recovery (Acceptance Limits)									
		1CO1	OTPH1								
Lab Sample ID	Client Sample ID	(70-130)	(70-130)								
LCS 880-44346/2-A	Lab Control Sample	113	131 S1+								
LCSD 880-44346/3-A	Lab Control Sample Dup	110	129								
MB 880-44346/1-A	Method Blank	151 S1+	180 S1+								

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: CDH Consulting
Project/Site: Jackson B #029Y

Job ID: 890-3874-1

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-44394/5-A
Matrix: Solid
Analysis Batch: 44514

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 44394

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/19/23 16:42	01/23/23 12:08	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/19/23 16:42	01/23/23 12:08	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/19/23 16:42	01/23/23 12:08	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/19/23 16:42	01/23/23 12:08	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/19/23 16:42	01/23/23 12:08	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/19/23 16:42	01/23/23 12:08	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*	*01/19/23 16:42*	*01/23/23 12:08*	*1*
1,4-Difluorobenzene (Surr)	*82*		*70 - 130*	*01/19/23 16:42*	*01/23/23 12:08*	*1*

Lab Sample ID: LCS 880-44394/1-A
Matrix: Solid
Analysis Batch: 44514

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 44394

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1153		mg/Kg		115	70 - 130
Ethylbenzene	0.100	0.1053		mg/Kg		105	70 - 130
Toluene	0.100	0.1130		mg/Kg		113	70 - 130
m-Xylene & p-Xylene	0.200	0.2316		mg/Kg		116	70 - 130
o-Xylene	0.100	0.1204		mg/Kg		120	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*137*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*

Lab Sample ID: LCSD 880-44394/2-A
Matrix: Solid
Analysis Batch: 44514

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 44394

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1201		mg/Kg		120	70 - 130	4	35
Ethylbenzene	0.100	0.1074		mg/Kg		107	70 - 130	2	35
Toluene	0.100	0.1083		mg/Kg		108	70 - 130	4	35
m-Xylene & p-Xylene	0.200	0.2344		mg/Kg		117	70 - 130	1	35
o-Xylene	0.100	0.1118		mg/Kg		112	70 - 130	7	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*130*		*70 - 130*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*

Lab Sample ID: 890-3874-1 MS
Matrix: Solid
Analysis Batch: 44514

Client Sample ID: SS01
Prep Type: Total/NA
Prep Batch: 44394

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U F1	0.0998	0.1081		mg/Kg		108	70 - 130
Ethylbenzene	<0.00200	U	0.0998	0.08907		mg/Kg		89	70 - 130

QC Sample Results

Client: CDH Consulting
Project/Site: Jackson B #029Y

Job ID: 890-3874-1

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

Lab Sample ID: 890-3874-1 MS
Matrix: Solid
Analysis Batch: 44514

Client Sample ID: SS01
Prep Type: Total/NA
Prep Batch: 44394

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Toluene	<0.00200	U	0.0998	0.07881		mg/Kg		79	70 - 130
m-Xylene & p-Xylene	<0.00401	U	0.200	0.1829		mg/Kg		92	70 - 130
o-Xylene	<0.00200	U	0.0998	0.09012		mg/Kg		90	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*128*		*70 - 130*
1,4-Difluorobenzene (Surr)	*76*		*70 - 130*

Lab Sample ID: 890-3874-1 MSD
Matrix: Solid
Analysis Batch: 44514

Client Sample ID: SS01
Prep Type: Total/NA
Prep Batch: 44394

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U F1	0.0990	0.1363	F1	mg/Kg		138	70 - 130	23	35
Ethylbenzene	<0.00200	U	0.0990	0.1052		mg/Kg		106	70 - 130	17	35
Toluene	<0.00200	U	0.0990	0.1117		mg/Kg		113	70 - 130	35	35
m-Xylene & p-Xylene	<0.00401	U	0.198	0.2297		mg/Kg		116	70 - 130	23	35
o-Xylene	<0.00200	U	0.0990	0.1177		mg/Kg		119	70 - 130	27	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*140*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*

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

Lab Sample ID: MB 880-44346/1-A
Matrix: Solid
Analysis Batch: 44956

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 44346

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		01/19/23 13:40	01/28/23 13:09	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/19/23 13:40	01/28/23 13:09	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/19/23 13:40	01/28/23 13:09	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*151*	*S1+*	*70 - 130*	*01/19/23 13:40*	*01/28/23 13:09*	*1*
o-Terphenyl	*180*	*S1+*	*70 - 130*	*01/19/23 13:40*	*01/28/23 13:09*	*1*

Lab Sample ID: LCS 880-44346/2-A
Matrix: Solid
Analysis Batch: 44956

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 44346

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1160		mg/Kg		116	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1256		mg/Kg		126	70 - 130

Eurofins Carlsbad

QC Sample Results

Client: CDH Consulting
Project/Site: Jackson B #029Y

Job ID: 890-3874-1

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

Lab Sample ID: LCS 880-44346/2-A
Matrix: Solid
Analysis Batch: 44956

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 44346

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	113		70 - 130
o-Terphenyl	131	S1+	70 - 130

Lab Sample ID: LCSD 880-44346/3-A
Matrix: Solid
Analysis Batch: 44956

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 44346

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1206		mg/Kg		121	70 - 130	4	20
Diesel Range Organics (Over C10-C28)			1000	1355	*+	mg/Kg		136	70 - 130	8	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	110		70 - 130
o-Terphenyl	129		70 - 130

Lab Sample ID: 890-3874-1 MS
Matrix: Solid
Analysis Batch: 44956

Client Sample ID: SS01
Prep Type: Total/NA
Prep Batch: 44346

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 F1 F2	998	147.4	F1	mg/Kg		11	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U *+ F1 F2	998	<49.9	U F1	mg/Kg		1	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	5	S1-	70 - 130
o-Terphenyl	0.5	S1-	70 - 130

Lab Sample ID: 890-3874-1 MSD
Matrix: Solid
Analysis Batch: 44956

Client Sample ID: SS01
Prep Type: Total/NA
Prep Batch: 44346

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 F1 F2	997	<49.9	U F1 F2	mg/Kg		-0.6	70 - 130	127	20
Diesel Range Organics (Over C10-C28)	<49.9	U *+ F1 F2	997	<49.9	U F1 F2	mg/Kg		0.07	70 - 130	40	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	1	S1-	70 - 130
o-Terphenyl	0.4	S1-	70 - 130

QC Sample Results

Client: CDH Consulting
Project/Site: Jackson B #029Y

Job ID: 890-3874-1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-44390/1-A
Matrix: Solid
Analysis Batch: 44505

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			01/22/23 11:55	1

Lab Sample ID: LCS 880-44390/2-A
Matrix: Solid
Analysis Batch: 44505

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	257.0		mg/Kg		103	90 - 110

Lab Sample ID: LCSD 880-44390/3-A
Matrix: Solid
Analysis Batch: 44505

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	257.6		mg/Kg		103	90 - 110	0	20

Lab Sample ID: 890-3874-1 MS
Matrix: Solid
Analysis Batch: 44505

Client Sample ID: SS01
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	958	F1	251	1173	F1	mg/Kg		86	90 - 110

Lab Sample ID: 890-3874-1 MSD
Matrix: Solid
Analysis Batch: 44505

Client Sample ID: SS01
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	958	F1	251	1173	F1	mg/Kg		86	90 - 110	0	20

Lab Sample ID: 890-3874-11 MS
Matrix: Solid
Analysis Batch: 44505

Client Sample ID: SS06
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	3200	F1	1240	4770	F1	mg/Kg		127	90 - 110

Lab Sample ID: 890-3874-11 MSD
Matrix: Solid
Analysis Batch: 44505

Client Sample ID: SS06
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	3200	F1	1240	5064	F1	mg/Kg		151	90 - 110	6	20

QC Association Summary

Client: CDH Consulting
Project/Site: Jackson B #029Y

Job ID: 890-3874-1

GC VOA

Prep Batch: 44394

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3874-1	SS01	Total/NA	Solid	5035	
890-3874-2	SS01A	Total/NA	Solid	5035	
890-3874-3	SS02	Total/NA	Solid	5035	
890-3874-4	SS02A	Total/NA	Solid	5035	
890-3874-5	SS03	Total/NA	Solid	5035	
890-3874-6	SS03A	Total/NA	Solid	5035	
890-3874-7	SS04	Total/NA	Solid	5035	
890-3874-8	SS04A	Total/NA	Solid	5035	
890-3874-9	SS05	Total/NA	Solid	5035	
890-3874-10	SS05A	Total/NA	Solid	5035	
890-3874-11	SS06	Total/NA	Solid	5035	
890-3874-12	SS06A	Total/NA	Solid	5035	
890-3874-13	SS07	Total/NA	Solid	5035	
890-3874-14	SS07A	Total/NA	Solid	5035	
890-3874-15	SS08	Total/NA	Solid	5035	
890-3874-16	SS08A	Total/NA	Solid	5035	
MB 880-44394/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-44394/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-44394/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-3874-1 MS	SS01	Total/NA	Solid	5035	
890-3874-1 MSD	SS01	Total/NA	Solid	5035	

Analysis Batch: 44514

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3874-1	SS01	Total/NA	Solid	8021B	44394
890-3874-2	SS01A	Total/NA	Solid	8021B	44394
890-3874-3	SS02	Total/NA	Solid	8021B	44394
890-3874-4	SS02A	Total/NA	Solid	8021B	44394
890-3874-5	SS03	Total/NA	Solid	8021B	44394
890-3874-6	SS03A	Total/NA	Solid	8021B	44394
890-3874-7	SS04	Total/NA	Solid	8021B	44394
890-3874-8	SS04A	Total/NA	Solid	8021B	44394
890-3874-9	SS05	Total/NA	Solid	8021B	44394
890-3874-10	SS05A	Total/NA	Solid	8021B	44394
890-3874-11	SS06	Total/NA	Solid	8021B	44394
890-3874-12	SS06A	Total/NA	Solid	8021B	44394
890-3874-13	SS07	Total/NA	Solid	8021B	44394
890-3874-14	SS07A	Total/NA	Solid	8021B	44394
890-3874-15	SS08	Total/NA	Solid	8021B	44394
890-3874-16	SS08A	Total/NA	Solid	8021B	44394
MB 880-44394/5-A	Method Blank	Total/NA	Solid	8021B	44394
LCS 880-44394/1-A	Lab Control Sample	Total/NA	Solid	8021B	44394
LCSD 880-44394/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	44394
890-3874-1 MS	SS01	Total/NA	Solid	8021B	44394
890-3874-1 MSD	SS01	Total/NA	Solid	8021B	44394

Analysis Batch: 44594

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3874-1	SS01	Total/NA	Solid	Total BTEX	
890-3874-2	SS01A	Total/NA	Solid	Total BTEX	
890-3874-3	SS02	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: CDH Consulting
Project/Site: Jackson B #029Y

Job ID: 890-3874-1

GC VOA (Continued)

Analysis Batch: 44594 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3874-4	SS02A	Total/NA	Solid	Total BTEX	
890-3874-5	SS03	Total/NA	Solid	Total BTEX	
890-3874-6	SS03A	Total/NA	Solid	Total BTEX	
890-3874-7	SS04	Total/NA	Solid	Total BTEX	
890-3874-8	SS04A	Total/NA	Solid	Total BTEX	
890-3874-9	SS05	Total/NA	Solid	Total BTEX	
890-3874-10	SS05A	Total/NA	Solid	Total BTEX	
890-3874-11	SS06	Total/NA	Solid	Total BTEX	
890-3874-12	SS06A	Total/NA	Solid	Total BTEX	
890-3874-13	SS07	Total/NA	Solid	Total BTEX	
890-3874-14	SS07A	Total/NA	Solid	Total BTEX	
890-3874-15	SS08	Total/NA	Solid	Total BTEX	
890-3874-16	SS08A	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 44346

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3874-1	SS01	Total/NA	Solid	8015NM Prep	
890-3874-2	SS01A	Total/NA	Solid	8015NM Prep	
890-3874-3	SS02	Total/NA	Solid	8015NM Prep	
890-3874-4	SS02A	Total/NA	Solid	8015NM Prep	
890-3874-5	SS03	Total/NA	Solid	8015NM Prep	
890-3874-6	SS03A	Total/NA	Solid	8015NM Prep	
890-3874-7	SS04	Total/NA	Solid	8015NM Prep	
890-3874-8	SS04A	Total/NA	Solid	8015NM Prep	
890-3874-9	SS05	Total/NA	Solid	8015NM Prep	
890-3874-10	SS05A	Total/NA	Solid	8015NM Prep	
890-3874-11	SS06	Total/NA	Solid	8015NM Prep	
890-3874-12	SS06A	Total/NA	Solid	8015NM Prep	
890-3874-13	SS07	Total/NA	Solid	8015NM Prep	
890-3874-14	SS07A	Total/NA	Solid	8015NM Prep	
890-3874-15	SS08	Total/NA	Solid	8015NM Prep	
890-3874-16	SS08A	Total/NA	Solid	8015NM Prep	
MB 880-44346/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-44346/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-44346/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-3874-1 MS	SS01	Total/NA	Solid	8015NM Prep	
890-3874-1 MSD	SS01	Total/NA	Solid	8015NM Prep	

Analysis Batch: 44956

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3874-1	SS01	Total/NA	Solid	8015B NM	44346
890-3874-2	SS01A	Total/NA	Solid	8015B NM	44346
890-3874-3	SS02	Total/NA	Solid	8015B NM	44346
890-3874-4	SS02A	Total/NA	Solid	8015B NM	44346
890-3874-5	SS03	Total/NA	Solid	8015B NM	44346
890-3874-6	SS03A	Total/NA	Solid	8015B NM	44346
890-3874-7	SS04	Total/NA	Solid	8015B NM	44346
890-3874-8	SS04A	Total/NA	Solid	8015B NM	44346
890-3874-9	SS05	Total/NA	Solid	8015B NM	44346

QC Association Summary

Client: CDH Consulting
Project/Site: Jackson B #029Y

Job ID: 890-3874-1

GC Semi VOA (Continued)

Analysis Batch: 44956 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3874-10	SS05A	Total/NA	Solid	8015B NM	44346
890-3874-11	SS06	Total/NA	Solid	8015B NM	44346
890-3874-12	SS06A	Total/NA	Solid	8015B NM	44346
890-3874-13	SS07	Total/NA	Solid	8015B NM	44346
890-3874-14	SS07A	Total/NA	Solid	8015B NM	44346
890-3874-15	SS08	Total/NA	Solid	8015B NM	44346
890-3874-16	SS08A	Total/NA	Solid	8015B NM	44346
MB 880-44346/1-A	Method Blank	Total/NA	Solid	8015B NM	44346
LCS 880-44346/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	44346
LCSD 880-44346/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	44346
890-3874-1 MS	SS01	Total/NA	Solid	8015B NM	44346
890-3874-1 MSD	SS01	Total/NA	Solid	8015B NM	44346

Analysis Batch: 44992

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3874-1	SS01	Total/NA	Solid	8015 NM	
890-3874-2	SS01A	Total/NA	Solid	8015 NM	
890-3874-3	SS02	Total/NA	Solid	8015 NM	
890-3874-4	SS02A	Total/NA	Solid	8015 NM	
890-3874-5	SS03	Total/NA	Solid	8015 NM	
890-3874-6	SS03A	Total/NA	Solid	8015 NM	
890-3874-7	SS04	Total/NA	Solid	8015 NM	
890-3874-8	SS04A	Total/NA	Solid	8015 NM	
890-3874-9	SS05	Total/NA	Solid	8015 NM	
890-3874-10	SS05A	Total/NA	Solid	8015 NM	
890-3874-11	SS06	Total/NA	Solid	8015 NM	
890-3874-12	SS06A	Total/NA	Solid	8015 NM	
890-3874-13	SS07	Total/NA	Solid	8015 NM	
890-3874-14	SS07A	Total/NA	Solid	8015 NM	
890-3874-15	SS08	Total/NA	Solid	8015 NM	
890-3874-16	SS08A	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 44390

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3874-1	SS01	Soluble	Solid	DI Leach	
890-3874-2	SS01A	Soluble	Solid	DI Leach	
890-3874-3	SS02	Soluble	Solid	DI Leach	
890-3874-4	SS02A	Soluble	Solid	DI Leach	
890-3874-5	SS03	Soluble	Solid	DI Leach	
890-3874-6	SS03A	Soluble	Solid	DI Leach	
890-3874-7	SS04	Soluble	Solid	DI Leach	
890-3874-8	SS04A	Soluble	Solid	DI Leach	
890-3874-9	SS05	Soluble	Solid	DI Leach	
890-3874-10	SS05A	Soluble	Solid	DI Leach	
890-3874-11	SS06	Soluble	Solid	DI Leach	
890-3874-12	SS06A	Soluble	Solid	DI Leach	
890-3874-13	SS07	Soluble	Solid	DI Leach	
890-3874-14	SS07A	Soluble	Solid	DI Leach	
890-3874-15	SS08	Soluble	Solid	DI Leach	

QC Association Summary

Client: CDH Consulting
Project/Site: Jackson B #029Y

Job ID: 890-3874-1

HPLC/IC (Continued)

Leach Batch: 44390 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3874-16	SS08A	Soluble	Solid	DI Leach	
MB 880-44390/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-44390/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-44390/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-3874-1 MS	SS01	Soluble	Solid	DI Leach	
890-3874-1 MSD	SS01	Soluble	Solid	DI Leach	
890-3874-11 MS	SS06	Soluble	Solid	DI Leach	
890-3874-11 MSD	SS06	Soluble	Solid	DI Leach	

Analysis Batch: 44505

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3874-1	SS01	Soluble	Solid	300.0	44390
890-3874-2	SS01A	Soluble	Solid	300.0	44390
890-3874-3	SS02	Soluble	Solid	300.0	44390
890-3874-4	SS02A	Soluble	Solid	300.0	44390
890-3874-5	SS03	Soluble	Solid	300.0	44390
890-3874-6	SS03A	Soluble	Solid	300.0	44390
890-3874-7	SS04	Soluble	Solid	300.0	44390
890-3874-8	SS04A	Soluble	Solid	300.0	44390
890-3874-9	SS05	Soluble	Solid	300.0	44390
890-3874-10	SS05A	Soluble	Solid	300.0	44390
890-3874-11	SS06	Soluble	Solid	300.0	44390
890-3874-12	SS06A	Soluble	Solid	300.0	44390
890-3874-13	SS07	Soluble	Solid	300.0	44390
890-3874-14	SS07A	Soluble	Solid	300.0	44390
890-3874-15	SS08	Soluble	Solid	300.0	44390
890-3874-16	SS08A	Soluble	Solid	300.0	44390
MB 880-44390/1-A	Method Blank	Soluble	Solid	300.0	44390
LCS 880-44390/2-A	Lab Control Sample	Soluble	Solid	300.0	44390
LCSD 880-44390/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	44390
890-3874-1 MS	SS01	Soluble	Solid	300.0	44390
890-3874-1 MSD	SS01	Soluble	Solid	300.0	44390
890-3874-11 MS	SS06	Soluble	Solid	300.0	44390
890-3874-11 MSD	SS06	Soluble	Solid	300.0	44390

Lab Chronicle

Client: CDH Consulting
Project/Site: Jackson B #029Y

Job ID: 890-3874-1

Client Sample ID: SS01
Date Collected: 01/16/23 10:45
Date Received: 01/17/23 16:50

Lab Sample ID: 890-3874-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			44394	MNR	EET MID	01/19/23 16:42
Total/NA	Analysis	8021B		1	44514	MNR	EET MID	01/23/23 12:35
Total/NA	Analysis	Total BTEX		1	44594	SM	EET MID	01/23/23 16:50
Total/NA	Analysis	8015 NM		1	44992	AJ	EET MID	01/30/23 09:44
Total/NA	Prep	8015NM Prep			44346	DM	EET MID	01/19/23 13:40
Total/NA	Analysis	8015B NM		1	44956	AJ	EET MID	01/28/23 15:56
Soluble	Leach	DI Leach			44390	KS	EET MID	01/19/23 16:28
Soluble	Analysis	300.0		1	44505	CH	EET MID	01/22/23 12:14

Client Sample ID: SS01A
Date Collected: 01/16/23 10:50
Date Received: 01/17/23 16:50

Lab Sample ID: 890-3874-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			44394	MNR	EET MID	01/19/23 16:42
Total/NA	Analysis	8021B		1	44514	MNR	EET MID	01/23/23 13:02
Total/NA	Analysis	Total BTEX		1	44594	SM	EET MID	01/23/23 16:50
Total/NA	Analysis	8015 NM		1	44992	AJ	EET MID	01/30/23 09:44
Total/NA	Prep	8015NM Prep			44346	DM	EET MID	01/19/23 13:40
Total/NA	Analysis	8015B NM		1	44956	AJ	EET MID	01/28/23 17:10
Soluble	Leach	DI Leach			44390	KS	EET MID	01/19/23 16:28
Soluble	Analysis	300.0		1	44505	CH	EET MID	01/22/23 12:32

Client Sample ID: SS02
Date Collected: 01/16/23 11:00
Date Received: 01/17/23 16:50

Lab Sample ID: 890-3874-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			44394	MNR	EET MID	01/19/23 16:42
Total/NA	Analysis	8021B		1	44514	MNR	EET MID	01/23/23 13:28
Total/NA	Analysis	Total BTEX		1	44594	SM	EET MID	01/23/23 16:50
Total/NA	Analysis	8015 NM		1	44992	AJ	EET MID	01/30/23 09:44
Total/NA	Prep	8015NM Prep			44346	DM	EET MID	01/19/23 13:40
Total/NA	Analysis	8015B NM		1	44956	AJ	EET MID	01/28/23 17:36
Soluble	Leach	DI Leach			44390	KS	EET MID	01/19/23 16:28
Soluble	Analysis	300.0		1	44505	CH	EET MID	01/22/23 12:38

Client Sample ID: SS02A
Date Collected: 01/16/23 11:05
Date Received: 01/17/23 16:50

Lab Sample ID: 890-3874-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			44394	MNR	EET MID	01/19/23 16:42
Total/NA	Analysis	8021B		1	44514	MNR	EET MID	01/23/23 13:55
Total/NA	Analysis	Total BTEX		1	44594	SM	EET MID	01/23/23 16:50

Lab Chronicle

Client: CDH Consulting
Project/Site: Jackson B #029Y

Job ID: 890-3874-1

Client Sample ID: SS02A
Date Collected: 01/16/23 11:05
Date Received: 01/17/23 16:50

Lab Sample ID: 890-3874-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8015 NM		1	44992	AJ	EET MID	01/30/23 09:44
Total/NA	Prep	8015NM Prep			44346	DM	EET MID	01/19/23 13:40
Total/NA	Analysis	8015B NM		1	44956	AJ	EET MID	01/28/23 18:00
Soluble	Leach	DI Leach			44390	KS	EET MID	01/19/23 16:28
Soluble	Analysis	300.0		1	44505	CH	EET MID	01/22/23 12:45

Client Sample ID: SS03
Date Collected: 01/16/23 11:10
Date Received: 01/17/23 16:50

Lab Sample ID: 890-3874-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			44394	MNR	EET MID	01/19/23 16:42
Total/NA	Analysis	8021B		1	44514	MNR	EET MID	01/23/23 14:21
Total/NA	Analysis	Total BTEX		1	44594	SM	EET MID	01/23/23 16:50
Total/NA	Analysis	8015 NM		1	44992	AJ	EET MID	01/30/23 09:44
Total/NA	Prep	8015NM Prep			44346	DM	EET MID	01/19/23 13:40
Total/NA	Analysis	8015B NM		1	44956	AJ	EET MID	01/28/23 18:24
Soluble	Leach	DI Leach			44390	KS	EET MID	01/19/23 16:28
Soluble	Analysis	300.0		20	44505	CH	EET MID	01/22/23 12:51

Client Sample ID: SS03A
Date Collected: 01/16/23 11:15
Date Received: 01/17/23 16:50

Lab Sample ID: 890-3874-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			44394	MNR	EET MID	01/19/23 16:42
Total/NA	Analysis	8021B		1	44514	MNR	EET MID	01/23/23 14:48
Total/NA	Analysis	Total BTEX		1	44594	SM	EET MID	01/23/23 16:50
Total/NA	Analysis	8015 NM		1	44992	AJ	EET MID	01/30/23 09:44
Total/NA	Prep	8015NM Prep			44346	DM	EET MID	01/19/23 13:40
Total/NA	Analysis	8015B NM		1	44956	AJ	EET MID	01/28/23 18:48
Soluble	Leach	DI Leach			44390	KS	EET MID	01/19/23 16:28
Soluble	Analysis	300.0		50	44505	CH	EET MID	01/22/23 13:09

Client Sample ID: SS04
Date Collected: 01/16/23 11:20
Date Received: 01/17/23 16:50

Lab Sample ID: 890-3874-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			44394	MNR	EET MID	01/19/23 16:42
Total/NA	Analysis	8021B		1	44514	MNR	EET MID	01/23/23 15:14
Total/NA	Analysis	Total BTEX		1	44594	SM	EET MID	01/23/23 16:50
Total/NA	Analysis	8015 NM		1	44992	AJ	EET MID	01/30/23 09:44
Total/NA	Prep	8015NM Prep			44346	DM	EET MID	01/19/23 13:40
Total/NA	Analysis	8015B NM		1	44956	AJ	EET MID	01/28/23 19:13

Lab Chronicle

Client: CDH Consulting
Project/Site: Jackson B #029Y

Job ID: 890-3874-1

Client Sample ID: SS04
Date Collected: 01/16/23 11:20
Date Received: 01/17/23 16:50

Lab Sample ID: 890-3874-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Soluble	Leach	DI Leach			44390	KS	EET MID	01/19/23 16:28
Soluble	Analysis	300.0		1	44505	CH	EET MID	01/22/23 13:15

Client Sample ID: SS04A
Date Collected: 01/16/23 11:25
Date Received: 01/17/23 16:50

Lab Sample ID: 890-3874-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			44394	MNR	EET MID	01/19/23 16:42
Total/NA	Analysis	8021B		1	44514	MNR	EET MID	01/23/23 15:41
Total/NA	Analysis	Total BTEX		1	44594	SM	EET MID	01/23/23 16:50
Total/NA	Analysis	8015 NM		1	44992	AJ	EET MID	01/30/23 09:44
Total/NA	Prep	8015NM Prep			44346	DM	EET MID	01/19/23 13:40
Total/NA	Analysis	8015B NM		1	44956	AJ	EET MID	01/28/23 19:37
Soluble	Leach	DI Leach			44390	KS	EET MID	01/19/23 16:28
Soluble	Analysis	300.0		1	44505	CH	EET MID	01/22/23 13:21

Client Sample ID: SS05
Date Collected: 01/16/23 11:30
Date Received: 01/17/23 16:50

Lab Sample ID: 890-3874-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			44394	MNR	EET MID	01/19/23 16:42
Total/NA	Analysis	8021B		1	44514	MNR	EET MID	01/23/23 16:08
Total/NA	Analysis	Total BTEX		1	44594	SM	EET MID	01/23/23 16:50
Total/NA	Analysis	8015 NM		1	44992	AJ	EET MID	01/30/23 09:44
Total/NA	Prep	8015NM Prep			44346	DM	EET MID	01/19/23 13:40
Total/NA	Analysis	8015B NM		1	44956	AJ	EET MID	01/28/23 20:02
Soluble	Leach	DI Leach			44390	KS	EET MID	01/19/23 16:28
Soluble	Analysis	300.0		50	44505	CH	EET MID	01/22/23 13:28

Client Sample ID: SS05A
Date Collected: 01/16/23 11:35
Date Received: 01/17/23 16:50

Lab Sample ID: 890-3874-10
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			44394	MNR	EET MID	01/19/23 16:42
Total/NA	Analysis	8021B		1	44514	MNR	EET MID	01/23/23 16:35
Total/NA	Analysis	Total BTEX		1	44594	SM	EET MID	01/24/23 13:50
Total/NA	Analysis	8015 NM		1	44992	AJ	EET MID	01/30/23 09:44
Total/NA	Prep	8015NM Prep			44346	DM	EET MID	01/19/23 13:40
Total/NA	Analysis	8015B NM		1	44956	AJ	EET MID	01/28/23 20:27
Soluble	Leach	DI Leach			44390	KS	EET MID	01/19/23 16:28
Soluble	Analysis	300.0		20	44505	CH	EET MID	01/22/23 13:34

Lab Chronicle

Client: CDH Consulting
Project/Site: Jackson B #029Y

Job ID: 890-3874-1

Client Sample ID: SS06
Date Collected: 01/16/23 11:40
Date Received: 01/17/23 16:50

Lab Sample ID: 890-3874-11
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			44394	MNR	EET MID	01/19/23 16:42
Total/NA	Analysis	8021B		1	44514	MNR	EET MID	01/23/23 18:23
Total/NA	Analysis	Total BTEX		1	44594	SM	EET MID	01/27/23 12:26
Total/NA	Analysis	8015 NM		1	44992	AJ	EET MID	01/30/23 09:44
Total/NA	Prep	8015NM Prep			44346	DM	EET MID	01/19/23 13:40
Total/NA	Analysis	8015B NM		1	44956	AJ	EET MID	01/28/23 21:15
Soluble	Leach	DI Leach			44390	KS	EET MID	01/19/23 16:28
Soluble	Analysis	300.0		5	44505	CH	EET MID	01/22/23 13:40

Client Sample ID: SS06A
Date Collected: 01/16/23 11:45
Date Received: 01/17/23 16:50

Lab Sample ID: 890-3874-12
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			44394	MNR	EET MID	01/19/23 16:42
Total/NA	Analysis	8021B		1	44514	MNR	EET MID	01/23/23 18:50
Total/NA	Analysis	Total BTEX		1	44594	SM	EET MID	01/24/23 13:50
Total/NA	Analysis	8015 NM		1	44992	AJ	EET MID	01/30/23 09:44
Total/NA	Prep	8015NM Prep			44346	DM	EET MID	01/19/23 13:40
Total/NA	Analysis	8015B NM		1	44956	AJ	EET MID	01/28/23 21:41
Soluble	Leach	DI Leach			44390	KS	EET MID	01/19/23 16:28
Soluble	Analysis	300.0		5	44505	CH	EET MID	01/22/23 13:58

Client Sample ID: SS07
Date Collected: 01/16/23 11:50
Date Received: 01/17/23 16:50

Lab Sample ID: 890-3874-13
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			44394	MNR	EET MID	01/19/23 16:42
Total/NA	Analysis	8021B		1	44514	MNR	EET MID	01/23/23 19:17
Total/NA	Analysis	Total BTEX		1	44594	SM	EET MID	01/24/23 13:50
Total/NA	Analysis	8015 NM		1	44992	AJ	EET MID	01/30/23 09:44
Total/NA	Prep	8015NM Prep			44346	DM	EET MID	01/19/23 13:40
Total/NA	Analysis	8015B NM		1	44956	AJ	EET MID	01/28/23 22:03
Soluble	Leach	DI Leach			44390	KS	EET MID	01/19/23 16:28
Soluble	Analysis	300.0		1	44505	CH	EET MID	01/22/23 14:05

Client Sample ID: SS07A
Date Collected: 01/16/23 11:55
Date Received: 01/17/23 16:50

Lab Sample ID: 890-3874-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			44394	MNR	EET MID	01/19/23 16:42
Total/NA	Analysis	8021B		1	44514	MNR	EET MID	01/23/23 19:45
Total/NA	Analysis	Total BTEX		1	44594	SM	EET MID	01/24/23 13:50

Lab Chronicle

Client: CDH Consulting
Project/Site: Jackson B #029Y

Job ID: 890-3874-1

Client Sample ID: SS07A

Lab Sample ID: 890-3874-14
Matrix: Solid
Date Collected: 01/16/23 11:55
Date Received: 01/17/23 16:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8015 NM		1	44992	AJ	EET MID	01/30/23 09:44
Total/NA	Prep	8015NM Prep			44346	DM	EET MID	01/19/23 13:40
Total/NA	Analysis	8015B NM		1	44956	AJ	EET MID	01/28/23 22:26
Soluble	Leach	DI Leach			44390	KS	EET MID	01/19/23 16:28
Soluble	Analysis	300.0		1	44505	CH	EET MID	01/22/23 14:23

Client Sample ID: SS08

Lab Sample ID: 890-3874-15
Matrix: Solid
Date Collected: 01/16/23 12:00
Date Received: 01/17/23 16:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			44394	MNR	EET MID	01/19/23 16:42
Total/NA	Analysis	8021B		1	44514	MNR	EET MID	01/23/23 20:13
Total/NA	Analysis	Total BTEX		1	44594	SM	EET MID	01/24/23 13:50
Total/NA	Analysis	8015 NM		1	44992	AJ	EET MID	01/30/23 09:44
Total/NA	Prep	8015NM Prep			44346	DM	EET MID	01/19/23 13:40
Total/NA	Analysis	8015B NM		1	44956	AJ	EET MID	01/28/23 22:48
Soluble	Leach	DI Leach			44390	KS	EET MID	01/19/23 16:28
Soluble	Analysis	300.0		1	44505	CH	EET MID	01/22/23 14:29

Client Sample ID: SS08A

Lab Sample ID: 890-3874-16
Matrix: Solid
Date Collected: 01/16/23 12:05
Date Received: 01/17/23 16:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			44394	MNR	EET MID	01/19/23 16:42
Total/NA	Analysis	8021B		1	44514	MNR	EET MID	01/23/23 20:39
Total/NA	Analysis	Total BTEX		1	44594	SM	EET MID	01/24/23 13:50
Total/NA	Analysis	8015 NM		1	44992	AJ	EET MID	01/30/23 09:44
Total/NA	Prep	8015NM Prep			44346	DM	EET MID	01/19/23 13:40
Total/NA	Analysis	8015B NM		1	44956	AJ	EET MID	01/28/23 23:09
Soluble	Leach	DI Leach			44390	KS	EET MID	01/19/23 16:28
Soluble	Analysis	300.0		1	44505	CH	EET MID	01/22/23 14:35

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: 890-3874-1

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	T104704400-22-25	06-30-23

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: 890-3874-1

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	MCAWW	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

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

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: 890-3874-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-3874-1	SS01	Solid	01/16/23 10:45	01/17/23 16:50	0.5'
890-3874-2	SS01A	Solid	01/16/23 10:50	01/17/23 16:50	2.0'
890-3874-3	SS02	Solid	01/16/23 11:00	01/17/23 16:50	0.5'
890-3874-4	SS02A	Solid	01/16/23 11:05	01/17/23 16:50	2.0'
890-3874-5	SS03	Solid	01/16/23 11:10	01/17/23 16:50	0.5'
890-3874-6	SS03A	Solid	01/16/23 11:15	01/17/23 16:50	2.0'
890-3874-7	SS04	Solid	01/16/23 11:20	01/17/23 16:50	0.5'
890-3874-8	SS04A	Solid	01/16/23 11:25	01/17/23 16:50	2.0'
890-3874-9	SS05	Solid	01/16/23 11:30	01/17/23 16:50	0.5'
890-3874-10	SS05A	Solid	01/16/23 11:35	01/17/23 16:50	2.0'
890-3874-11	SS06	Solid	01/16/23 11:40	01/17/23 16:50	0.5'
890-3874-12	SS06A	Solid	01/16/23 11:45	01/17/23 16:50	2.0'
890-3874-13	SS07	Solid	01/16/23 11:50	01/17/23 16:50	0.5'
890-3874-14	SS07A	Solid	01/16/23 11:55	01/17/23 16:50	2.0'
890-3874-15	SS08	Solid	01/16/23 12:00	01/17/23 16:50	0.5'
890-3874-16	SS08A	Solid	01/16/23 12:05	01/17/23 16:50	2.0'

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Chain of Custody

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

Work Order No: _____

www.xenco.com Page 1 of 2

Project Manager:	Ginger Fast	Bill to: (if different)	
Company Name:	CDH Consulting	Company Name:	
Address:	9446 Clermont St.	Address:	
City, State ZIP:	Thornton, CO 80229	City, State ZIP:	
Phone:	720 431 7468	Email:	chris@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:	BT 32.861312, -103.928634	Due Date:	
Project Location:		TAT starts the day received by the lab, if received by 4:30pm	
Sampler's Name:			
PO #:			

SAMPLE RECEIPT			
Temp Blank:	(Yes) No	Wet Ice:	(Yes) No
Samples Received Intact:	(Yes) No	Thermometer ID:	TAM-007
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

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

890-3874 Chain of Custody

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	TPH	Chloride	BTEX	Sample Comments
SS01	S	1/16	10:45	0.5	G	1	X	X	X	
SS01A			10:50	2.0						
SS02			11:00	0.5						
SS02A			11:05	2.0						
SS03			11:10	0.5						
SS03A			11:15	2.0						
SS04			11:20	0.5						
SS04A			11:25	2.0						
SS05			11:30	0.5						
SS05A			11:35	2.0						

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010 : 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg: 1631 / 245.1 / 7470 / 7471

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1	Amanda Stelf	1-17-23 1650	4		
3			6		
5					

Revised Date: 08/25/2020 Rev 2020.2

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Chain of Custody

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

Work Order No: _____

www.xenco.com Page 2 of 2

Project Manager:	Ginger Fast	Bill to: (if different)	
Company Name:	CDH Consulting	Company Name:	
Address:	9446 Clermont st	Address:	
City, State ZIP:	Thornton, CO 80229	City, State ZIP:	
Phone:	720 431 7468 Email:	chris@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:	32.861312, -103.928634	☑ Routine ☐ Rush	
Project Location:		Due Date:	
Sampler's Name:		TAT starts the day received by the lab, if received by 4:30pm	
PO #:			

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

Preservative Codes

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

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	Parameters: TPH	Chloride	BTEX	Sample Comments
SS06	S	1/16	11:40	0.5	G	1		X	X	X	
SS06A			11:45	2.0							
SS07			11:50	0.5							
SS07A			11:55	2.0							
SS08			12:00	0.5							
SS08A			12:05	2.0							

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010 : 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg: 1631 / 245.1 / 7470 / 7471

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1	Amanda Stigler	1-17-23 1650			
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Login Sample Receipt Checklist

Client: CDH Consulting Job Number: 890-3874-1

Login Number: 3874 **List Source: Eurofins Carlsbad**
List Number: 1
Creator: Stutzman, Amanda

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: 890-3874-1

Login Number: 3874 **List Source: Eurofins Midland**
List Number: 2 **List Creation: 01/19/23 12:02 PM**
Creator: Rodriguez, Leticia

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

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ANALYTICAL REPORT

PREPARED FOR

Attn: Chris Del Hierro
CDH Consulting
9446 Clermont St,
Thornton, Colorado 80229

Generated 2/27/2023 3:41:52 PM

JOB DESCRIPTION

Jackson B11029Y

JOB NUMBER

870-14650-1

Eurofins Dallas
9701 Harry Hines Blvd
Dallas TX 75220

See page two for job notes and contact information.

my EOL

Eurofins Dallas

Job Notes

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

Authorization

Generated
2/27/2023 3:41:52 PM

Authorized for release by
Irene Vann, Project Manager
Irene.Vann@et.eurofinsus.com
(210)509-3334

Client: CDH Consulting
Project/Site: Jackson B11029Y

Laboratory Job ID: 870-14650-1

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Definitions/Glossary

Client: CDH Consulting
Project/Site: Jackson B11029Y

Job ID: 870-14650-1

Qualifiers

GC/MS VOA

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

GC Semi VOA

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

HPLC/IC

Qualifier	Qualifier Description
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.
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/Site: Jackson B11029Y

Job ID: 870-14650-1

Job ID: 870-14650-1

Laboratory: Eurofins Dallas

Narrative

Job Narrative
870-14650-1

Receipt
The samples were received on 2/20/2023 10:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 6.1°C

Receipt Exceptions
The following samples were received at the laboratory outside the required temperature criteria: SS09 (870-14650-1), SS09A (870-14650-2), SS10 (870-14650-3), SS03J (870-14650-4), SS05J (870-14650-5) and SS06J (870-14650-6). This does not meet regulatory requirements. The client was contacted regarding this issue, and the laboratory was instructed to proceed with analysis.

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

GC Semi VOA
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: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 860-91642 and analytical batch 860-91640 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample/laboratory control sample duplicate (LCS/LCSD) recovery was within acceptance limits.

Method 300_ORGFM_28D: The following samples were diluted to bring the concentration of target analytes within the calibration range: SS03J (870-14650-4), SS05J (870-14650-5) and SS06J (870-14650-6). Elevated reporting limits (RLs) are provided.

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

General Chemistry
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 B11029Y

Job ID: 870-14650-1

Client Sample ID: SS09

Date Collected: 02/14/23 10:35
Date Received: 02/20/23 10:00

Lab Sample ID: 870-14650-1
Matrix: Solid
Percent Solids: 92.3

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND	U	0.00217		mg/Kg	☼	02/20/23 12:04	02/20/23 21:53	1
Toluene	ND	U	0.00217		mg/Kg	☼	02/20/23 12:04	02/20/23 21:53	1
Ethylbenzene	ND	U	0.00217		mg/Kg	☼	02/20/23 12:04	02/20/23 21:53	1
m,p-Xylenes	ND	U	0.00217		mg/Kg	☼	02/20/23 12:04	02/20/23 21:53	1
o-Xylene	ND	U	0.00217		mg/Kg	☼	02/20/23 12:04	02/20/23 21:53	1
Xylenes, Total	ND	U	0.00217		mg/Kg	☼	02/20/23 12:04	02/20/23 21:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*73 - 131*	*02/20/23 12:04*	*02/20/23 21:53*	*1*
4-Bromofluorobenzene (Surr)	*99*		*75 - 132*	*02/20/23 12:04*	*02/20/23 21:53*	*1*
Dibromofluoromethane (Surr)	*99*		*65 - 135*	*02/20/23 12:04*	*02/20/23 21:53*	*1*
Toluene-d8 (Surr)	*98*		*78 - 138*	*02/20/23 12:04*	*02/20/23 21:53*	*1*

Method: TCEQ TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12 Range Hydrocarbons	ND	U	52.8		mg/Kg	☼	02/21/23 15:04	02/21/23 23:14	1
>C12-C28 Range Hydrocarbons	ND	U	52.8		mg/Kg	☼	02/21/23 15:04	02/21/23 23:14	1
>C28-C35 Range Hydrocarbons	ND	U	52.8		mg/Kg	☼	02/21/23 15:04	02/21/23 23:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*106*		*70 - 130*	*02/21/23 15:04*	*02/21/23 23:14*	*1*
o-Terphenyl (Surr)	*111*		*70 - 130*	*02/21/23 15:04*	*02/21/23 23:14*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1120**		10.8		mg/Kg	☼	02/24/23 11:54	02/25/23 07:39	1

Client Sample ID: SS09A

Date Collected: 02/14/23 10:40
Date Received: 02/20/23 10:00

Lab Sample ID: 870-14650-2
Matrix: Solid
Percent Solids: 95.6

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND	U	0.00209		mg/Kg	☼	02/21/23 11:49	02/21/23 16:47	1
Toluene	**0.00249**		0.00209		mg/Kg	☼	02/21/23 11:49	02/21/23 16:47	1
Ethylbenzene	ND	U	0.00209		mg/Kg	☼	02/21/23 11:49	02/21/23 16:47	1
m,p-Xylenes	ND	U	0.00209		mg/Kg	☼	02/21/23 11:49	02/21/23 16:47	1
o-Xylene	ND	U	0.00209		mg/Kg	☼	02/21/23 11:49	02/21/23 16:47	1
Xylenes, Total	ND	U	0.00209		mg/Kg	☼	02/21/23 11:49	02/21/23 16:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*73 - 131*	*02/21/23 11:49*	*02/21/23 16:47*	*1*
4-Bromofluorobenzene (Surr)	*97*		*75 - 132*	*02/21/23 11:49*	*02/21/23 16:47*	*1*
Dibromofluoromethane (Surr)	*92*		*65 - 135*	*02/21/23 11:49*	*02/21/23 16:47*	*1*
Toluene-d8 (Surr)	*99*		*78 - 138*	*02/21/23 11:49*	*02/21/23 16:47*	*1*

Method: TCEQ TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12 Range Hydrocarbons	ND	U	50.8		mg/Kg	☼	02/21/23 15:04	02/21/23 23:34	1
>C12-C28 Range Hydrocarbons	ND	U	50.8		mg/Kg	☼	02/21/23 15:04	02/21/23 23:34	1
>C28-C35 Range Hydrocarbons	ND	U	50.8		mg/Kg	☼	02/21/23 15:04	02/21/23 23:34	1

Client Sample Results

Client: CDH Consulting
Project/Site: Jackson B11029Y

Job ID: 870-14650-1

Client Sample ID: SS09A
Date Collected: 02/14/23 10:40
Date Received: 02/20/23 10:00

Lab Sample ID: 870-14650-2
Matrix: Solid
Percent Solids: 95.6

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	107		70 - 130	02/21/23 15:04	02/21/23 23:34	1
o-Terphenyl (Surr)	113		70 - 130	02/21/23 15:04	02/21/23 23:34	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	536		10.4		mg/Kg	☼	02/24/23 11:54	02/25/23 07:51	1

Client Sample ID: SS10
Date Collected: 02/14/23 10:45
Date Received: 02/20/23 10:00

Lab Sample ID: 870-14650-3
Matrix: Solid
Percent Solids: 95.1

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND	U	0.00208		mg/Kg	☼	02/20/23 12:04	02/20/23 23:15	1
Toluene	ND	U	0.00208		mg/Kg	☼	02/20/23 12:04	02/20/23 23:15	1
Ethylbenzene	ND	U	0.00208		mg/Kg	☼	02/20/23 12:04	02/20/23 23:15	1
m,p-Xylenes	ND	U	0.00208		mg/Kg	☼	02/20/23 12:04	02/20/23 23:15	1
o-Xylene	ND	U	0.00208		mg/Kg	☼	02/20/23 12:04	02/20/23 23:15	1
Xylenes, Total	ND	U	0.00208		mg/Kg	☼	02/20/23 12:04	02/20/23 23:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		73 - 131	02/20/23 12:04	02/20/23 23:15	1
4-Bromofluorobenzene (Surr)	96		75 - 132	02/20/23 12:04	02/20/23 23:15	1
Dibromofluoromethane (Surr)	102		65 - 135	02/20/23 12:04	02/20/23 23:15	1
Toluene-d8 (Surr)	99		78 - 138	02/20/23 12:04	02/20/23 23:15	1

Method: TCEQ TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12 Range Hydrocarbons	ND	U	51.9		mg/Kg	☼	02/21/23 15:04	02/21/23 23:53	1
>C12-C28 Range Hydrocarbons	ND	U	51.9		mg/Kg	☼	02/21/23 15:04	02/21/23 23:53	1
>C28-C35 Range Hydrocarbons	ND	U	51.9		mg/Kg	☼	02/21/23 15:04	02/21/23 23:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	115		70 - 130	02/21/23 15:04	02/21/23 23:53	1
o-Terphenyl (Surr)	121		70 - 130	02/21/23 15:04	02/21/23 23:53	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	28.7		10.6		mg/Kg	☼	02/24/23 11:54	02/25/23 08:03	1

Client Sample ID: SS03J
Date Collected: 02/14/23 10:50
Date Received: 02/20/23 10:00

Lab Sample ID: 870-14650-4
Matrix: Solid
Percent Solids: 92.2

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND	U	0.00217		mg/Kg	☼	02/21/23 11:49	02/21/23 17:08	1
Toluene	ND	U	0.00217		mg/Kg	☼	02/21/23 11:49	02/21/23 17:08	1
Ethylbenzene	ND	U	0.00217		mg/Kg	☼	02/21/23 11:49	02/21/23 17:08	1
m,p-Xylenes	ND	U	0.00217		mg/Kg	☼	02/21/23 11:49	02/21/23 17:08	1
o-Xylene	ND	U	0.00217		mg/Kg	☼	02/21/23 11:49	02/21/23 17:08	1
Xylenes, Total	ND	U	0.00217		mg/Kg	☼	02/21/23 11:49	02/21/23 17:08	1

Client Sample Results

Client: CDH Consulting
Project/Site: Jackson B11029Y

Job ID: 870-14650-1

Client Sample ID: SS03J
Date Collected: 02/14/23 10:50
Date Received: 02/20/23 10:00

Lab Sample ID: 870-14650-4
Matrix: Solid
Percent Solids: 92.2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		73 - 131	02/21/23 11:49	02/21/23 17:08	1
4-Bromofluorobenzene (Surr)	96		75 - 132	02/21/23 11:49	02/21/23 17:08	1
Dibromofluoromethane (Surr)	94		65 - 135	02/21/23 11:49	02/21/23 17:08	1
Toluene-d8 (Surr)	98		78 - 138	02/21/23 11:49	02/21/23 17:08	1

Method: TCEQ TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12 Range Hydrocarbons	ND	U	53.6		mg/Kg	☼	02/21/23 15:04	02/22/23 00:33	1
>C12-C28 Range Hydrocarbons	ND	U	53.6		mg/Kg	☼	02/21/23 15:04	02/22/23 00:33	1
>C28-C35 Range Hydrocarbons	ND	U	53.6		mg/Kg	☼	02/21/23 15:04	02/22/23 00:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	115		70 - 130	02/21/23 15:04	02/22/23 00:33	1
o-Terphenyl (Surr)	119		70 - 130	02/21/23 15:04	02/22/23 00:33	1

Method: EPA 300.0 - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**9680**		109		mg/Kg	☼	02/24/23 11:54	02/25/23 08:28	10

Client Sample ID: SS05J
Date Collected: 02/14/23 11:00
Date Received: 02/20/23 10:00

Lab Sample ID: 870-14650-5
Matrix: Solid
Percent Solids: 93.5

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND	U	0.00215		mg/Kg	☼	02/21/23 11:49	02/21/23 17:28	1
Toluene	ND	U	0.00215		mg/Kg	☼	02/21/23 11:49	02/21/23 17:28	1
Ethylbenzene	ND	U	0.00215		mg/Kg	☼	02/21/23 11:49	02/21/23 17:28	1
m,p-Xylenes	ND	U	0.00215		mg/Kg	☼	02/21/23 11:49	02/21/23 17:28	1
o-Xylene	ND	U	0.00215		mg/Kg	☼	02/21/23 11:49	02/21/23 17:28	1
Xylenes, Total	ND	U	0.00215		mg/Kg	☼	02/21/23 11:49	02/21/23 17:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		73 - 131	02/21/23 11:49	02/21/23 17:28	1
4-Bromofluorobenzene (Surr)	97		75 - 132	02/21/23 11:49	02/21/23 17:28	1
Dibromofluoromethane (Surr)	99		65 - 135	02/21/23 11:49	02/21/23 17:28	1
Toluene-d8 (Surr)	100		78 - 138	02/21/23 11:49	02/21/23 17:28	1

Method: TCEQ TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12 Range Hydrocarbons	ND	U	52.3		mg/Kg	☼	02/21/23 15:04	02/22/23 00:52	1
>C12-C28 Range Hydrocarbons	**94.3**		52.3		mg/Kg	☼	02/21/23 15:04	02/22/23 00:52	1
>C28-C35 Range Hydrocarbons	ND	U	52.3		mg/Kg	☼	02/21/23 15:04	02/22/23 00:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	101		70 - 130	02/21/23 15:04	02/22/23 00:52	1
o-Terphenyl (Surr)	106		70 - 130	02/21/23 15:04	02/22/23 00:52	1

Method: EPA 300.0 - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**21800**		106		mg/Kg	☼	02/24/23 11:54	02/25/23 08:53	10

Client Sample Results

Client: CDH Consulting
Project/Site: Jackson B11029Y

Job ID: 870-14650-1

Client Sample ID: SS06J
Date Collected: 02/14/23 11:10
Date Received: 02/20/23 10:00

Lab Sample ID: 870-14650-6
Matrix: Solid
Percent Solids: 91.1

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND	U	0.00221		mg/Kg	☼	02/20/23 15:00	02/21/23 00:17	1
Toluene	ND	U	0.00221		mg/Kg	☼	02/20/23 15:00	02/21/23 00:17	1
Ethylbenzene	ND	U	0.00221		mg/Kg	☼	02/20/23 15:00	02/21/23 00:17	1
m,p-Xylenes	ND	U	0.00221		mg/Kg	☼	02/20/23 15:00	02/21/23 00:17	1
o-Xylene	ND	U	0.00221		mg/Kg	☼	02/20/23 15:00	02/21/23 00:17	1
Xylenes, Total	ND	U	0.00221		mg/Kg	☼	02/20/23 15:00	02/21/23 00:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*112*		*73 - 131*	*02/20/23 15:00*	*02/21/23 00:17*	*1*
4-Bromofluorobenzene (Surr)	*95*		*75 - 132*	*02/20/23 15:00*	*02/21/23 00:17*	*1*
Dibromofluoromethane (Surr)	*103*		*65 - 135*	*02/20/23 15:00*	*02/21/23 00:17*	*1*
Toluene-d8 (Surr)	*96*		*78 - 138*	*02/20/23 15:00*	*02/21/23 00:17*	*1*

Method: TCEQ TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12 Range Hydrocarbons	ND	U	53.5		mg/Kg	☼	02/21/23 15:04	02/22/23 01:12	1
>C12-C28 Range Hydrocarbons	ND	U	53.5		mg/Kg	☼	02/21/23 15:04	02/22/23 01:12	1
>C28-C35 Range Hydrocarbons	ND	U	53.5		mg/Kg	☼	02/21/23 15:04	02/22/23 01:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*97*		*70 - 130*	*02/21/23 15:04*	*02/22/23 01:12*	*1*
o-Terphenyl (Surr)	*102*		*70 - 130*	*02/21/23 15:04*	*02/22/23 01:12*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**27400**		109		mg/Kg	☼	02/24/23 11:54	02/25/23 09:42	10

Surrogate Summary

Client: CDH Consulting
Project/Site: Jackson B11029Y

Job ID: 870-14650-1

Method: 8260C - Volatile Organic Compounds by GC/MS

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

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(73-131)	(75-132)	(65-135)	(78-138)
870-14648-A-7 MB	Method Blank	95	96	99	98
870-14650-1	SS09	106	99	99	98
870-14650-1 MS	SS09	99	99	104	98
870-14650-2	SS09A	103	97	92	99
870-14650-3	SS10	105	96	102	99
870-14650-4	SS03J	100	96	94	98
870-14650-5	SS05J	105	97	99	100
870-14650-6	SS06J	112	95	103	96
LCS 870-11064/1-A	Lab Control Sample	90	98	98	97
LCS 870-11089/1-A	Lab Control Sample	96	98	102	99
LCSD 870-11064/2-A	Lab Control Sample Dup	93	100	98	99
LCSD 870-11089/2-A	Lab Control Sample Dup	96	99	103	99
MB 870-11054/25-A	Method Blank	108	95	97	98
MB 870-11064/3-A	Method Blank	107	96	98	99
MB 870-11089/3-A	Method Blank	112	95	101	100

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
		1CO	OTPH
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
870-14650-1	SS09	106	111
870-14650-2	SS09A	107	113
870-14650-3	SS10	115	121
870-14650-4	SS03J	115	119
870-14650-5	SS05J	101	106
870-14650-6	SS06J	97	102
LCS 870-11093/1-A	Lab Control Sample	122	113
LCSD 870-11093/2-A	Lab Control Sample Dup	116	110
MB 870-11093/3-A	Method Blank	123	126

Surrogate Legend

1CO = 1-Chlorooctane (Surr)
OTPH = o-Terphenyl (Surr)

QC Sample Results

Client: CDH Consulting
Project/Site: Jackson B11029Y

Job ID: 870-14650-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 870-11054/25-A
Matrix: Solid
Analysis Batch: 11056

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 11054

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND	U	0.00200		mg/Kg		02/17/23 17:00	02/20/23 11:36	1
Toluene	ND	U	0.00200		mg/Kg		02/17/23 17:00	02/20/23 11:36	1
Ethylbenzene	ND	U	0.00200		mg/Kg		02/17/23 17:00	02/20/23 11:36	1
m,p-Xylenes	ND	U	0.00200		mg/Kg		02/17/23 17:00	02/20/23 11:36	1
o-Xylene	ND	U	0.00200		mg/Kg		02/17/23 17:00	02/20/23 11:36	1
Xylenes, Total	ND	U	0.00200		mg/Kg		02/17/23 17:00	02/20/23 11:36	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*73 - 131*	*02/17/23 17:00*	*02/20/23 11:36*	*1*
4-Bromofluorobenzene (Surr)	*95*		*75 - 132*	*02/17/23 17:00*	*02/20/23 11:36*	*1*
Dibromofluoromethane (Surr)	*97*		*65 - 135*	*02/17/23 17:00*	*02/20/23 11:36*	*1*
Toluene-d8 (Surr)	*98*		*78 - 138*	*02/17/23 17:00*	*02/20/23 11:36*	*1*

Lab Sample ID: MB 870-11064/3-A
Matrix: Solid
Analysis Batch: 11056

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 11064

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND	U	0.00200		mg/Kg		02/20/23 12:04	02/20/23 20:50	1
Toluene	ND	U	0.00200		mg/Kg		02/20/23 12:04	02/20/23 20:50	1
Ethylbenzene	ND	U	0.00200		mg/Kg		02/20/23 12:04	02/20/23 20:50	1
m,p-Xylenes	ND	U	0.00200		mg/Kg		02/20/23 12:04	02/20/23 20:50	1
o-Xylene	ND	U	0.00200		mg/Kg		02/20/23 12:04	02/20/23 20:50	1
Xylenes, Total	ND	U	0.00200		mg/Kg		02/20/23 12:04	02/20/23 20:50	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*73 - 131*	*02/20/23 12:04*	*02/20/23 20:50*	*1*
4-Bromofluorobenzene (Surr)	*96*		*75 - 132*	*02/20/23 12:04*	*02/20/23 20:50*	*1*
Dibromofluoromethane (Surr)	*98*		*65 - 135*	*02/20/23 12:04*	*02/20/23 20:50*	*1*
Toluene-d8 (Surr)	*99*		*78 - 138*	*02/20/23 12:04*	*02/20/23 20:50*	*1*

Lab Sample ID: LCS 870-11064/1-A
Matrix: Solid
Analysis Batch: 11056

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 11064

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.0502	0.04650		mg/Kg		93	70 - 130
Toluene	0.0504	0.04403		mg/Kg		87	70 - 130
Ethylbenzene	0.0503	0.04740		mg/Kg		94	70 - 130
m,p-Xylenes	0.0502	0.04685		mg/Kg		93	70 - 130
o-Xylene	0.0503	0.04856		mg/Kg		97	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*90*		*73 - 131*
4-Bromofluorobenzene (Surr)	*98*		*75 - 132*
Dibromofluoromethane (Surr)	*98*		*65 - 135*
Toluene-d8 (Surr)	*97*		*78 - 138*

QC Sample Results

Client: CDH Consulting
Project/Site: Jackson B11029Y

Job ID: 870-14650-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 870-11064/2-A
Matrix: Solid
Analysis Batch: 11056

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 11064

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.0501	0.04537		mg/Kg		91	70 - 130	2	25
Toluene			0.0503	0.04263		mg/Kg		85	70 - 130	3	25
Ethylbenzene			0.0502	0.04706		mg/Kg		94	70 - 130	1	25
m,p-Xylenes			0.0501	0.04648		mg/Kg		93	70 - 130	1	25
o-Xylene			0.0502	0.04841		mg/Kg		97	70 - 130	0	25

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*93*		*73 - 131*
4-Bromofluorobenzene (Surr)	*100*		*75 - 132*
Dibromofluoromethane (Surr)	*98*		*65 - 135*
Toluene-d8 (Surr)	*99*		*78 - 138*

Lab Sample ID: 870-14650-1 MS
Matrix: Solid
Analysis Batch: 11056

Client Sample ID: SS09
Prep Type: Total/NA
Prep Batch: 11064

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	ND	U	0.0549	0.05040		mg/Kg	☼	92	70 - 130
Toluene	ND	U	0.0551	0.04577		mg/Kg	☼	80	70 - 130
Ethylbenzene	ND	U	0.0551	0.04953		mg/Kg	☼	89	70 - 130
m,p-Xylenes	ND	U	0.0550	0.04906		mg/Kg	☼	87	70 - 130
o-Xylene	ND	U	0.0550	0.04988		mg/Kg	☼	91	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*99*		*73 - 131*
4-Bromofluorobenzene (Surr)	*99*		*75 - 132*
Dibromofluoromethane (Surr)	*104*		*65 - 135*
Toluene-d8 (Surr)	*98*		*78 - 138*

Lab Sample ID: 870-14648-A-7 MB
Matrix: Solid
Analysis Batch: 11083

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND	U	0.00200		mg/Kg			02/21/23 12:42	1
Toluene	ND	U	0.00200		mg/Kg			02/21/23 12:42	1
Ethylbenzene	ND	U	0.00200		mg/Kg			02/21/23 12:42	1
m,p-Xylenes	ND	U	0.00200		mg/Kg			02/21/23 12:42	1
o-Xylene	ND	U	0.00200		mg/Kg			02/21/23 12:42	1
Xylenes, Total	ND	U	0.00200		mg/Kg			02/21/23 12:42	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*73 - 131*		*02/21/23 12:42*	*1*
4-Bromofluorobenzene (Surr)	*96*		*75 - 132*		*02/21/23 12:42*	*1*
Dibromofluoromethane (Surr)	*99*		*65 - 135*		*02/21/23 12:42*	*1*
Toluene-d8 (Surr)	*98*		*78 - 138*		*02/21/23 12:42*	*1*

QC Sample Results

Client: CDH Consulting
Project/Site: Jackson B11029Y

Job ID: 870-14650-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 870-11089/3-A
Matrix: Solid
Analysis Batch: 11083

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 11089

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND	U	0.00200		mg/Kg		02/21/23 11:49	02/21/23 16:05	1
Toluene	ND	U	0.00200		mg/Kg		02/21/23 11:49	02/21/23 16:05	1
Ethylbenzene	ND	U	0.00200		mg/Kg		02/21/23 11:49	02/21/23 16:05	1
m,p-Xylenes	ND	U	0.00200		mg/Kg		02/21/23 11:49	02/21/23 16:05	1
o-Xylene	ND	U	0.00200		mg/Kg		02/21/23 11:49	02/21/23 16:05	1
Xylenes, Total	ND	U	0.00200		mg/Kg		02/21/23 11:49	02/21/23 16:05	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*112*		*73 - 131*	*02/21/23 11:49*	*02/21/23 16:05*	*1*
4-Bromofluorobenzene (Surr)	*95*		*75 - 132*	*02/21/23 11:49*	*02/21/23 16:05*	*1*
Dibromofluoromethane (Surr)	*101*		*65 - 135*	*02/21/23 11:49*	*02/21/23 16:05*	*1*
Toluene-d8 (Surr)	*100*		*78 - 138*	*02/21/23 11:49*	*02/21/23 16:05*	*1*

Lab Sample ID: LCS 870-11089/1-A
Matrix: Solid
Analysis Batch: 11083

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 11089

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.0502	0.05009		mg/Kg		100	70 - 130		
Toluene			0.0504	0.04630		mg/Kg		92	70 - 130		
Ethylbenzene			0.0503	0.05146		mg/Kg		102	70 - 130		
m,p-Xylenes			0.0502	0.05060		mg/Kg		101	70 - 130		
o-Xylene			0.0503	0.05265		mg/Kg		105	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*96*		*73 - 131*
4-Bromofluorobenzene (Surr)	*98*		*75 - 132*
Dibromofluoromethane (Surr)	*102*		*65 - 135*
Toluene-d8 (Surr)	*99*		*78 - 138*

Lab Sample ID: LCSD 870-11089/2-A
Matrix: Solid
Analysis Batch: 11083

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 11089

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.0501	0.04931		mg/Kg		98	70 - 130	2	25
Toluene			0.0503	0.04744		mg/Kg		94	70 - 130	2	25
Ethylbenzene			0.0502	0.05108		mg/Kg		102	70 - 130	1	25
m,p-Xylenes			0.0501	0.05057		mg/Kg		101	70 - 130	0	25
o-Xylene			0.0502	0.05205		mg/Kg		104	70 - 130	1	25

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*96*		*73 - 131*
4-Bromofluorobenzene (Surr)	*99*		*75 - 132*
Dibromofluoromethane (Surr)	*103*		*65 - 135*
Toluene-d8 (Surr)	*99*		*78 - 138*

QC Sample Results

Client: CDH Consulting
Project/Site: Jackson B11029Y

Job ID: 870-14650-1

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Lab Sample ID: MB 870-11093/3-A
Matrix: Solid
Analysis Batch: 11094

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 11093

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12 Range Hydrocarbons	ND	U	49.8		mg/Kg		02/21/23 15:04	02/21/23 17:00	1
>C12-C28 Range Hydrocarbons	ND	U	49.8		mg/Kg		02/21/23 15:04	02/21/23 17:00	1
>C28-C35 Range Hydrocarbons	ND	U	49.8		mg/Kg		02/21/23 15:04	02/21/23 17:00	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*123*		*70 - 130*	*02/21/23 15:04*	*02/21/23 17:00*	*1*
o-Terphenyl (Surr)	*126*		*70 - 130*	*02/21/23 15:04*	*02/21/23 17:00*	*1*

Lab Sample ID: LCS 870-11093/1-A
Matrix: Solid
Analysis Batch: 11094

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 11093

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
C6-C12 Range Hydrocarbons	1000	876.7		mg/Kg		87	75 - 125
>C12-C28 Range Hydrocarbons	1010	1001		mg/Kg		99	75 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane (Surr)	*122*		*70 - 130*
o-Terphenyl (Surr)	*113*		*70 - 130*

Lab Sample ID: LCSD 870-11093/2-A
Matrix: Solid
Analysis Batch: 11094

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 11093

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
C6-C12 Range Hydrocarbons	1000	841.6		mg/Kg		84	75 - 125	4	20
>C12-C28 Range Hydrocarbons	1010	949.8		mg/Kg		94	75 - 125	5	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane (Surr)	*116*		*70 - 130*
o-Terphenyl (Surr)	*110*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 860-91642/1-A
Matrix: Solid
Analysis Batch: 91640

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 91642

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND	U	10.0		mg/Kg		02/24/23 11:54	02/24/23 13:22	1

Lab Sample ID: LCS 860-91642/2-A
Matrix: Solid
Analysis Batch: 91640

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 91642

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	100	101.3		mg/Kg		101	80 - 120

QC Sample Results

Client: CDH Consulting
Project/Site: Jackson B11029Y

Job ID: 870-14650-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 860-91642/3-A
Matrix: Solid
Analysis Batch: 91640

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 91642

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			100	101.6		mg/Kg		102	80 - 120	0	20

Lab Sample ID: 870-14650-6 MS
Matrix: Solid
Analysis Batch: 91640

Client Sample ID: SS06J
Prep Type: Total/NA
Prep Batch: 91642

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	27400		1200	27070	4	mg/Kg	☼	-31	80 - 120

Lab Sample ID: 870-14650-6 MSD
Matrix: Solid
Analysis Batch: 91640

Client Sample ID: SS06J
Prep Type: Total/NA
Prep Batch: 91642

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	27400		1200	27400	4	mg/Kg	☼	-4	80 - 120	1	20

QC Association Summary

Client: CDH Consulting
Project/Site: Jackson B11029Y

Job ID: 870-14650-1

GC/MS VOA

Prep Batch: 11054

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 870-11054/25-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 11056

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-14650-1	SS09	Total/NA	Solid	8260C	11064
870-14650-3	SS10	Total/NA	Solid	8260C	11064
870-14650-6	SS06J	Total/NA	Solid	8260C	11064
MB 870-11054/25-A	Method Blank	Total/NA	Solid	8260C	11054
MB 870-11064/3-A	Method Blank	Total/NA	Solid	8260C	11064
LCS 870-11064/1-A	Lab Control Sample	Total/NA	Solid	8260C	11064
LCSD 870-11064/2-A	Lab Control Sample Dup	Total/NA	Solid	8260C	11064
870-14650-1 MS	SS09	Total/NA	Solid	8260C	11064

Prep Batch: 11064

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-14650-1	SS09	Total/NA	Solid	5035	
870-14650-3	SS10	Total/NA	Solid	5035	
870-14650-6	SS06J	Total/NA	Solid	5035	
MB 870-11064/3-A	Method Blank	Total/NA	Solid	5035	
LCS 870-11064/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 870-11064/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
870-14650-1 MS	SS09	Total/NA	Solid	5035	

Analysis Batch: 11083

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-14650-2	SS09A	Total/NA	Solid	8260C	11089
870-14650-4	SS03J	Total/NA	Solid	8260C	11089
870-14650-5	SS05J	Total/NA	Solid	8260C	11089
870-14648-A-7 MB	Method Blank	Total/NA	Solid	8260C	
MB 870-11089/3-A	Method Blank	Total/NA	Solid	8260C	11089
LCS 870-11089/1-A	Lab Control Sample	Total/NA	Solid	8260C	11089
LCSD 870-11089/2-A	Lab Control Sample Dup	Total/NA	Solid	8260C	11089

Prep Batch: 11089

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-14650-2	SS09A	Total/NA	Solid	5035	
870-14650-4	SS03J	Total/NA	Solid	5035	
870-14650-5	SS05J	Total/NA	Solid	5035	
MB 870-11089/3-A	Method Blank	Total/NA	Solid	5035	
LCS 870-11089/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 870-11089/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

GC Semi VOA

Prep Batch: 11093

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-14650-1	SS09	Total/NA	Solid	TX_1005_S_Prep	
870-14650-2	SS09A	Total/NA	Solid	TX_1005_S_Prep	
870-14650-3	SS10	Total/NA	Solid	TX_1005_S_Prep	

QC Association Summary

Client: CDH Consulting
Project/Site: Jackson B11029Y

Job ID: 870-14650-1

GC Semi VOA (Continued)

Prep Batch: 11093 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-14650-4	SS03J	Total/NA	Solid	TX_1005_S_Prep	
870-14650-5	SS05J	Total/NA	Solid	TX_1005_S_Prep	
870-14650-6	SS06J	Total/NA	Solid	TX_1005_S_Prep	
MB 870-11093/3-A	Method Blank	Total/NA	Solid	TX_1005_S_Prep	
LCS 870-11093/1-A	Lab Control Sample	Total/NA	Solid	TX_1005_S_Prep	
LCSD 870-11093/2-A	Lab Control Sample Dup	Total/NA	Solid	TX_1005_S_Prep	

Analysis Batch: 11094

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-14650-1	SS09	Total/NA	Solid	TX 1005	11093
870-14650-2	SS09A	Total/NA	Solid	TX 1005	11093
870-14650-3	SS10	Total/NA	Solid	TX 1005	11093
870-14650-4	SS03J	Total/NA	Solid	TX 1005	11093
870-14650-5	SS05J	Total/NA	Solid	TX 1005	11093
870-14650-6	SS06J	Total/NA	Solid	TX 1005	11093
MB 870-11093/3-A	Method Blank	Total/NA	Solid	TX 1005	11093
LCS 870-11093/1-A	Lab Control Sample	Total/NA	Solid	TX 1005	11093
LCSD 870-11093/2-A	Lab Control Sample Dup	Total/NA	Solid	TX 1005	11093

HPLC/IC

Analysis Batch: 91640

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-14650-1	SS09	Total/NA	Solid	300.0	91642
870-14650-2	SS09A	Total/NA	Solid	300.0	91642
870-14650-3	SS10	Total/NA	Solid	300.0	91642
870-14650-4 - DL	SS03J	Total/NA	Solid	300.0	91642
870-14650-5 - DL	SS05J	Total/NA	Solid	300.0	91642
870-14650-6 - DL	SS06J	Total/NA	Solid	300.0	91642
MB 860-91642/1-A	Method Blank	Total/NA	Solid	300.0	91642
LCS 860-91642/2-A	Lab Control Sample	Total/NA	Solid	300.0	91642
LCSD 860-91642/3-A	Lab Control Sample Dup	Total/NA	Solid	300.0	91642
870-14650-6 MS	SS06J	Total/NA	Solid	300.0	91642
870-14650-6 MSD	SS06J	Total/NA	Solid	300.0	91642

Prep Batch: 91642

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-14650-1	SS09	Total/NA	Solid	300_Prep	
870-14650-2	SS09A	Total/NA	Solid	300_Prep	
870-14650-3	SS10	Total/NA	Solid	300_Prep	
870-14650-4 - DL	SS03J	Total/NA	Solid	300_Prep	
870-14650-5 - DL	SS05J	Total/NA	Solid	300_Prep	
870-14650-6 - DL	SS06J	Total/NA	Solid	300_Prep	
MB 860-91642/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 860-91642/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	
LCSD 860-91642/3-A	Lab Control Sample Dup	Total/NA	Solid	300_Prep	
870-14650-6 MS	SS06J	Total/NA	Solid	300_Prep	

QC Association Summary

Client: CDH Consulting
Project/Site: Jackson B11029Y

Job ID: 870-14650-1

HPLC/IC (Continued)

Prep Batch: 91642 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-14650-6 MSD	SS06J	Total/NA	Solid	300_Prep	

General Chemistry

Analysis Batch: 11066

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-14650-1	SS09	Total/NA	Solid	Moisture - 2540	
870-14650-2	SS09A	Total/NA	Solid	Moisture - 2540	
870-14650-3	SS10	Total/NA	Solid	Moisture - 2540	
870-14650-4	SS03J	Total/NA	Solid	Moisture - 2540	
870-14650-5	SS05J	Total/NA	Solid	Moisture - 2540	
870-14650-6	SS06J	Total/NA	Solid	Moisture - 2540	
MB 870-11066/1	Method Blank	Total/NA	Solid	Moisture - 2540	
870-14650-1 DU	SS09	Total/NA	Solid	Moisture - 2540	

Lab Chronicle

Client: CDH Consulting
Project/Site: Jackson B11029Y

Job ID: 870-14650-1

Client Sample ID: SS09
Date Collected: 02/14/23 10:35
Date Received: 02/20/23 10:00

Lab Sample ID: 870-14650-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture - 2540		1			11066	02/20/23 12:29	KH	EET DAL

Client Sample ID: SS09
Date Collected: 02/14/23 10:35
Date Received: 02/20/23 10:00

Lab Sample ID: 870-14650-1
Matrix: Solid
Percent Solids: 92.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 g	11064	02/20/23 12:04	MC	EET DAL
Total/NA	Analysis	8260C		1	5 mL	5 mL	11056	02/20/23 21:53	MC	EET DAL
Total/NA	Prep	TX_1005_S_Prep			10.27 g	10 mL	11093	02/21/23 15:04	MC	EET DAL
Total/NA	Analysis	TX 1005		1	1 uL	1 uL	11094	02/21/23 23:14	WP	EET DAL
Total/NA	Prep	300_Prep			5.02 g	50 mL	91642	02/24/23 11:54	RBNS	EET HOU
Total/NA	Analysis	300.0		1			91640	02/25/23 07:39	RBNS	EET HOU

Client Sample ID: SS09A
Date Collected: 02/14/23 10:40
Date Received: 02/20/23 10:00

Lab Sample ID: 870-14650-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture - 2540		1			11066	02/20/23 12:29	KH	EET DAL

Client Sample ID: SS09A
Date Collected: 02/14/23 10:40
Date Received: 02/20/23 10:00

Lab Sample ID: 870-14650-2
Matrix: Solid
Percent Solids: 95.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 g	11089	02/21/23 11:49	MC	EET DAL
Total/NA	Analysis	8260C		1	5 mL	5 mL	11083	02/21/23 16:47	MC	EET DAL
Total/NA	Prep	TX_1005_S_Prep			10.29 g	10 mL	11093	02/21/23 15:04	MC	EET DAL
Total/NA	Analysis	TX 1005		1	1 uL	1 uL	11094	02/21/23 23:34	WP	EET DAL
Total/NA	Prep	300_Prep			5.01 g	50 mL	91642	02/24/23 11:54	RBNS	EET HOU
Total/NA	Analysis	300.0		1			91640	02/25/23 07:51	RBNS	EET HOU

Client Sample ID: SS10
Date Collected: 02/14/23 10:45
Date Received: 02/20/23 10:00

Lab Sample ID: 870-14650-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture - 2540		1			11066	02/20/23 12:29	KH	EET DAL

Lab Chronicle

Client: CDH Consulting
Project/Site: Jackson B11029Y

Job ID: 870-14650-1

Client Sample ID: SS10
Date Collected: 02/14/23 10:45
Date Received: 02/20/23 10:00

Lab Sample ID: 870-14650-3
Matrix: Solid
Percent Solids: 95.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.06 g	5 g	11064	02/20/23 12:04	MC	EET DAL
Total/NA	Analysis	8260C		1	5 mL	5 mL	11056	02/20/23 23:15	MC	EET DAL
Total/NA	Prep	TX_1005_S_Prep			10.13 g	10 mL	11093	02/21/23 15:04	MC	EET DAL
Total/NA	Analysis	TX 1005		1	1 uL	1 uL	11094	02/21/23 23:53	WP	EET DAL
Total/NA	Prep	300_Prep			4.98 g	50 mL	91642	02/24/23 11:54	RBNS	EET HOU
Total/NA	Analysis	300.0		1			91640	02/25/23 08:03	RBNS	EET HOU

Client Sample ID: SS03J
Date Collected: 02/14/23 10:50
Date Received: 02/20/23 10:00

Lab Sample ID: 870-14650-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture - 2540		1			11066	02/20/23 12:29	KH	EET DAL

Client Sample ID: SS03J
Date Collected: 02/14/23 10:50
Date Received: 02/20/23 10:00

Lab Sample ID: 870-14650-4
Matrix: Solid
Percent Solids: 92.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 g	11089	02/21/23 11:49	MC	EET DAL
Total/NA	Analysis	8260C		1	5 mL	5 mL	11083	02/21/23 17:08	MC	EET DAL
Total/NA	Prep	TX_1005_S_Prep			10.12 g	10 mL	11093	02/21/23 15:04	MC	EET DAL
Total/NA	Analysis	TX 1005		1	1 uL	1 uL	11094	02/22/23 00:33	WP	EET DAL
Total/NA	Prep	300_Prep	DL		4.96 g	50 mL	91642	02/24/23 11:54	RBNS	EET HOU
Total/NA	Analysis	300.0	DL	10			91640	02/25/23 08:28	RBNS	EET HOU

Client Sample ID: SS05J
Date Collected: 02/14/23 11:00
Date Received: 02/20/23 10:00

Lab Sample ID: 870-14650-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture - 2540		1			11066	02/20/23 12:29	KH	EET DAL

Client Sample ID: SS05J
Date Collected: 02/14/23 11:00
Date Received: 02/20/23 10:00

Lab Sample ID: 870-14650-5
Matrix: Solid
Percent Solids: 93.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 g	11089	02/21/23 11:49	MC	EET DAL
Total/NA	Analysis	8260C		1	5 mL	5 mL	11083	02/21/23 17:28	MC	EET DAL
Total/NA	Prep	TX_1005_S_Prep			10.23 g	10 mL	11093	02/21/23 15:04	MC	EET DAL
Total/NA	Analysis	TX 1005		1	1 uL	1 uL	11094	02/22/23 00:52	WP	EET DAL
Total/NA	Prep	300_Prep	DL		5.05 g	50 mL	91642	02/24/23 11:54	RBNS	EET HOU
Total/NA	Analysis	300.0	DL	10			91640	02/25/23 08:53	RBNS	EET HOU

Lab Chronicle

Client: CDH Consulting
Project/Site: Jackson B11029Y

Job ID: 870-14650-1

Client Sample ID: SS06J
Date Collected: 02/14/23 11:10
Date Received: 02/20/23 10:00

Lab Sample ID: 870-14650-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture - 2540		1			11066	02/20/23 12:29	KH	EET DAL

Client Sample ID: SS06J
Date Collected: 02/14/23 11:10
Date Received: 02/20/23 10:00

Lab Sample ID: 870-14650-6
Matrix: Solid
Percent Solids: 91.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 g	11064	02/20/23 15:00	MC	EET DAL
Total/NA	Analysis	8260C		1	5 mL	5 mL	11056	02/21/23 00:17	MC	EET DAL
Total/NA	Prep	TX_1005_S_Prep			10.26 g	10 mL	11093	02/21/23 15:04	MC	EET DAL
Total/NA	Analysis	TX 1005		1	1 uL	1 uL	11094	02/22/23 01:12	WP	EET DAL
Total/NA	Prep	300_Prep	DL		5.03 g	50 mL	91642	02/24/23 11:54	RBNS	EET HOU
Total/NA	Analysis	300.0	DL	10			91640	02/25/23 09:42	RBNS	EET HOU

Laboratory References:

EET DAL = Eurofins Dallas, 9701 Harry Hines Blvd, Dallas, TX 75220, TEL (214)902-0300

EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

Accreditation/Certification Summary

Client: CDH Consulting
Project/Site: Jackson B11029Y

Job ID: 870-14650-1

Laboratory: Eurofins Dallas

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704295-22-31	06-30-23

Laboratory: Eurofins Houston

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

Authority	Program	Identification Number	Expiration Date
Arkansas DEQ	State	88-00759	08-04-23
Florida	NELAP	E871002	06-30-23
Louisiana	NELAP	03054	06-30-23
Louisiana (All)	NELAP	03054	06-30-23
Oklahoma	State	1306	08-31-23
Texas	NELAP	T104704215-22-48	06-30-23
Texas	TCEQ Water Supply	T104704215	12-28-25
USDA	US Federal Programs	P330-22-00025	03-02-23

Method Summary

Client: CDH Consulting
Project/Site: Jackson B11029Y

Job ID: 870-14650-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	EET DAL
TX 1005	Texas - Total Petroleum Hydrocarbon (GC)	TCEQ	EET DAL
300.0	Anions, Ion Chromatography	EPA	EET HOU
Moisture - 2540	Percent Moisture	SM	EET DAL
300_Prep	Anions, Ion Chromatography, 10% Wt/Vol	EPA	EET HOU
5035	Closed System Purge and Trap	SW846	EET DAL
TX_1005_S_Prep	Extraction - Texas Total petroleum Hyrdocarbons	TCEQ	EET DAL

Protocol References:

EPA = US Environmental Protection Agency
SM = "Standard Methods For The Examination Of Water And Wastewater"
SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.
TCEQ = Texas Commission of Environmental Quality

Laboratory References:

EET DAL = Eurofins Dallas, 9701 Harry Hines Blvd, Dallas, TX 75220, TEL (214)902-0300
EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

Sample Summary

Client: CDH Consulting
Project/Site: Jackson B11029Y

Job ID: 870-14650-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
870-14650-1	SS09	Solid	02/14/23 10:35	02/20/23 10:00
870-14650-2	SS09A	Solid	02/14/23 10:40	02/20/23 10:00
870-14650-3	SS10	Solid	02/14/23 10:45	02/20/23 10:00
870-14650-4	SS03J	Solid	02/14/23 10:50	02/20/23 10:00
870-14650-5	SS05J	Solid	02/14/23 11:00	02/20/23 10:00
870-14650-6	SS06J	Solid	02/14/23 11:10	02/20/23 10:00

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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

870-14650 Chain of Custody

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Project Manager:	Elizabeth Naka	Bill to: (if different)	Chris Delhierro
Company Name:	CDH consulting, LLC	Company Name:	CDH consulting
Address:		Address:	
City, State ZIP:	Colorado	City, State ZIP:	Colorado
Phone:	517-251-2314 Email:		enaka@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 #029 Y	Turn Around	☑ Routine ☐ Rush
Project Number:		Due Date:	
Project Location:	Eddy County, NM	TAT starts the day received by the lab, if received by 4:30pm	
Sampler's Name:	Kaleb Henry		
PO #:			

SAMPLE RECEIPT	Temp Blank:	Yes (No)	Wet Ice:	(Yes) No	
Samples Received Intact:	(Yes) No	Thermometer ID:	XDA		
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-1.0		
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	2.1		
Total Containers:		Corrected Temperature:	1.1		

Preservative Codes

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

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	Parameters: Chlorides	BTEX	TPH	Sample Comments
SS09	S	2/14	10:35	0.5'	G	1		x	x	x	
SS09A			10:40	2.0'							
SS10			10:45	0.5'							
SS03J			10:50	10'							
SS05J			11:00	10'							
SS06J	↓	↓	11:10	10'	↓	↓		↓	↓	↓	

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		Kevin Hardaway	2-20-23 10:00			
3						
5				6		

Revised Date: 08/25/2020 Rev. 2020.2

Eurofins Dallas
9701 Harry Hines Blvd
Dallas, TX 75220
Phone: 214-902-0300

Chain of Custody Record

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Client Information (Sub Contract Lab)	Sampler:	Lab PM: Vann, Irene	Carrier Tracking No(s):	COC No: 870-3481 1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Irene.Vann@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 #: 870-14650-1
Address: 4145 Greenbriar Dr	Due Date Requested: 2/24/2023			
City: Stafford	TAT Requested (days):			
State, Zip: TX, 77477				
Phone: 281-240-4200(Tel)	PO #:			
Email:	WO #:			
Project Name: Jackson B11029Y	Project #: 89000037			
Site:	SSOW#:			

Analysis Requested

Preservation Codes

A HCL, B NaOH, C Zn Acetate, D Nitric Acid, E NaHSO4, F MeOH, G Amchlor, H Ascorbic Acid, I Ice, J DI Water, K EDTA, L EDA, M Hexane, N None, O AsNaO2, P Na2O4S, Q Na2SO3, R Na2S2O3, S H2SO4, T TSP Dodecahydrate, U Acetone, V MCAA, W pH 4-5, Y Trizma, Z other (specify)

Other

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/300_Prep Chloride	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
SS09 (870-14650-1)	2/14/23	10:35 Central		Solid			X	1	
SS09A (870-14650-2)	2/14/23	10:40 Central		Solid			X	1	
SS10 (870-14650-3)	2/14/23	10:45 Central		Solid			X	1	
SS03J (870-14650-4)	2/14/23	10:50 Central		Solid			X	1	
SS05J (870-14650-5)	2/14/23	11:00 Central		Solid			X	1	
SS06J (870-14650-6)	2/14/23	11 10 Central		Solid			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
KW	2/20/23 1700		TPX		
TPX				2/21/2023 8.00	EX

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks:
		Temp: IR ID HOU-344 C/F -0.2 1.6 Corrected Temp: 1.4

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: CDH Consulting Job Number: 870-14650-1

Login Number: 14650 **List Source: Eurofins Dallas**
List Number: 1
Creator: Whitlock, Kaitlyn N

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.	False	Cooler temperature outside required temperature criteria.
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

Login Sample Receipt Checklist

Client: CDH Consulting Job Number: 870-14650-1

Login Number: 14650
List Number: 2
Creator: Pena, Jesiel

List Source: Eurofins Houston
List Creation: 02/21/23 09:32 AM

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

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ANALYTICAL REPORT

PREPARED FOR

Attn: Katherine Kahn
CDH Consulting
9446 Clermont St,
Thornton, Colorado 80229

Generated 9/7/2023 2:08:25 PM Revision 1

JOB DESCRIPTION

Jackson B 029

JOB NUMBER

890-5084-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

my EOL

Eurofins Carlsbad

Job Notes

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

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

Authorization

Generated
9/7/2023 2:08:25 PM
Revision 1

Authorized for release by
Sylvia Garza, Project Manager
Sylvia.Garza@et.eurofinsus.com
Designee for
Irene Vann, Project Manager
Irene.Vann@et.eurofinsus.com
(210)509-3334

Client: CDH Consulting
Project/Site: Jackson B 029

Laboratory Job ID: 890-5084-1

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Definitions/Glossary

Client: CDH Consulting
Project/Site: Jackson B 029

Job ID: 890-5084-1

Qualifiers

GC VOA

Qualifier	Qualifier Description
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
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/Site: Jackson B 029

Job ID: 890-5084-1

Job ID: 890-5084-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative

890-5084-1

Analyze SS05M for chloride per client requsest.

Comments
No additional comments.

Receipt
The samples were received on 8/14/2023 1:25 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 was 10.2º C.

GC VOA
Method 8021B: The continuing calibration verification (CCV) associated with batch 880-60963 recovered below the lower control limit for Benzene, Ethylbenzene, Toluene, m-Xylene & p-Xylene and o-Xylene. An acceptable CCV was ran within the 12 hour window, therefore the data has been qualified and reported. The associated sample is impacted: (CCV 880-60963/20).

Method 8021B: The following samples were added for analysis with insufficient holding time remaining: SS05L (890-5084-2) and SS06L (890-5084-5).

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

GC Semi VOA
Method 8015B NM: The surrogate recovery for the blank associated with preparation batch 880-61009 and analytical batch 880-60956 was outside the upper control limits.

Method 8015B NM: Surrogate recovery for the following sample was outside control limits: SS06K (890-5084-4). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015B NM: Surrogate recovery for the following samples were outside control limits: (CCV 880-60956/31) and (CCV 880-60956/47). Evidence of matrix interferences is not obvious.

Method 8015B NM: The continuing calibration verification (CCV) associated with batch 880-60956 recovered above the upper control limit for Over C10-C28. An acceptable CCV was ran within the 12 hour window, therefore the data has been qualified and reported. The associated sample is impacted: (CCV 880-60956/47).

Method 8015B NM: Surrogate recovery for the following samples were outside control limits: (CCV 880-61415/31), (CCV 880-61415/47) and (LCSD 880-61372/3-A). Evidence of matrix interferences is not obvious.

Method 8015B NM: The surrogate recovery for the blank associated with preparation batch 880-61372 and analytical batch 880-61415 was outside the upper control limits.

Method 8015B NM: Surrogate recovery for the following samples were outside control limits: SS05L (890-5084-2), SS06L (890-5084-5) and (890-5156-A-1-A). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

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

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

Case Narrative

Client: CDH Consulting
Project/Site: Jackson B 029

Job ID: 890-5084-1

Job ID: 890-5084-1 (Continued)

Laboratory: Eurofins Carlsbad (Continued)

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

Client Sample Results

Client: CDH Consulting
Project/Site: Jackson B 029

Job ID: 890-5084-1

Client Sample ID: SS05K
Date Collected: 08/14/23 09:15
Date Received: 08/14/23 13:25
Sample Depth: 156

Lab Sample ID: 890-5084-1
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/24/23 09:32	08/24/23 19:37	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/24/23 09:32	08/24/23 19:37	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/24/23 09:32	08/24/23 19:37	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/24/23 09:32	08/24/23 19:37	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/24/23 09:32	08/24/23 19:37	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/24/23 09:32	08/24/23 19:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*	*08/24/23 09:32*	*08/24/23 19:37*	*1*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*	*08/24/23 09:32*	*08/24/23 19:37*	*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			08/25/23 09:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/25/23 11:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<50.0	U	50.0		mg/Kg		08/24/23 12:53	08/24/23 20:52	1
Over C10-C28	<50.0	U	50.0		mg/Kg		08/24/23 12:53	08/24/23 20:52	1
Over C28-C36	<50.0	U	50.0		mg/Kg		08/24/23 12:53	08/24/23 20:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*104*		*70 - 130*	*08/24/23 12:53*	*08/24/23 20:52*	*1*
o-Terphenyl	*111*		*70 - 130*	*08/24/23 12:53*	*08/24/23 20:52*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**20800**		250		mg/Kg			08/16/23 00:11	50

Client Sample ID: SS05L
Date Collected: 08/14/23 09:20
Date Received: 08/14/23 13:25
Sample Depth: 20

Lab Sample ID: 890-5084-2
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U H	0.00199		mg/Kg		08/29/23 09:40	08/29/23 13:48	1
Ethylbenzene	<0.00199	U H	0.00199		mg/Kg		08/29/23 09:40	08/29/23 13:48	1
Toluene	<0.00199	U H	0.00199		mg/Kg		08/29/23 09:40	08/29/23 13:48	1
Xylenes, Total	<0.00398	U H	0.00398		mg/Kg		08/29/23 09:40	08/29/23 13:48	1
m-Xylene & p-Xylene	<0.00398	U H	0.00398		mg/Kg		08/29/23 09:40	08/29/23 13:48	1
o-Xylene	<0.00199	U H	0.00199		mg/Kg		08/29/23 09:40	08/29/23 13:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*82*		*70 - 130*	*08/29/23 09:40*	*08/29/23 13:48*	*1*
1,4-Difluorobenzene (Surr)	*116*		*70 - 130*	*08/29/23 09:40*	*08/29/23 13:48*	*1*

Client Sample Results

Client: CDH Consulting
Project/Site: Jackson B 029

Job ID: 890-5084-1

Client Sample ID: SS05L
Date Collected: 08/14/23 09:20
Date Received: 08/14/23 13:25
Sample Depth: 20

Lab Sample ID: 890-5084-2
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/30/23 08:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			08/30/23 11:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<50.3	U	50.3		mg/Kg		08/28/23 19:06	08/29/23 23:37	1
Over C10-C28	<50.3	U	50.3		mg/Kg		08/28/23 19:06	08/29/23 23:37	1
Over C28-C36	<50.3	U	50.3		mg/Kg		08/28/23 19:06	08/29/23 23:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*147*	*S1+*	*70 - 130*	*08/28/23 19:06*	*08/29/23 23:37*	*1*
o-Terphenyl	*139*	*S1+*	*70 - 130*	*08/28/23 19:06*	*08/29/23 23:37*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**28500**		250		mg/Kg			09/01/23 11:18	50

Client Sample ID: SS05M
Date Collected: 08/14/23 09:30
Date Received: 08/14/23 13:25
Sample Depth: 25

Lab Sample ID: 890-5084-3
Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**31300**		252		mg/Kg			09/06/23 13:31	50

Client Sample ID: SS06K
Date Collected: 08/14/23 09:55
Date Received: 08/14/23 13:25
Sample Depth: 15

Lab Sample ID: 890-5084-4
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		08/24/23 09:32	08/24/23 19:58	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/24/23 09:32	08/24/23 19:58	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/24/23 09:32	08/24/23 19:58	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/24/23 09:32	08/24/23 19:58	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/24/23 09:32	08/24/23 19:58	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/24/23 09:32	08/24/23 19:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*	*08/24/23 09:32*	*08/24/23 19:58*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*08/24/23 09:32*	*08/24/23 19:58*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			08/25/23 09:19	1

Client Sample Results

Client: CDH Consulting
Project/Site: Jackson B 029

Job ID: 890-5084-1

Client Sample ID: SS06K
Date Collected: 08/14/23 09:55
Date Received: 08/14/23 13:25
Sample Depth: 15

Lab Sample ID: 890-5084-4
Matrix: Solid

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			08/25/23 11:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<49.7	U	49.7		mg/Kg		08/24/23 12:53	08/24/23 21:56	1
Over C10-C28	<49.7	U	49.7		mg/Kg		08/24/23 12:53	08/24/23 21:56	1
Over C28-C36	<49.7	U	49.7		mg/Kg		08/24/23 12:53	08/24/23 21:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*127*		*70 - 130*	*08/24/23 12:53*	*08/24/23 21:56*	*1*
o-Terphenyl	*133*	*S1+*	*70 - 130*	*08/24/23 12:53*	*08/24/23 21:56*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**23300**		250		mg/Kg			08/16/23 00:32	50

Client Sample ID: SS06L
Date Collected: 08/14/23 10:00
Date Received: 08/14/23 13:25
Sample Depth: 20

Lab Sample ID: 890-5084-5
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U H	0.00202		mg/Kg		08/29/23 09:40	08/29/23 14:09	1
Ethylbenzene	<0.00202	U H	0.00202		mg/Kg		08/29/23 09:40	08/29/23 14:09	1
Toluene	<0.00202	U H	0.00202		mg/Kg		08/29/23 09:40	08/29/23 14:09	1
Xylenes, Total	<0.00403	U H	0.00403		mg/Kg		08/29/23 09:40	08/29/23 14:09	1
m-Xylene & p-Xylene	<0.00403	U H	0.00403		mg/Kg		08/29/23 09:40	08/29/23 14:09	1
o-Xylene	<0.00202	U H	0.00202		mg/Kg		08/29/23 09:40	08/29/23 14:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*70 - 130*	*08/29/23 09:40*	*08/29/23 14:09*	*1*
1,4-Difluorobenzene (Surr)	*117*		*70 - 130*	*08/29/23 09:40*	*08/29/23 14:09*	*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			08/30/23 08:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			08/30/23 11:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<50.5	U	50.5		mg/Kg		08/28/23 19:06	08/29/23 23:58	1
Over C10-C28	<50.5	U	50.5		mg/Kg		08/28/23 19:06	08/29/23 23:58	1
Over C28-C36	<50.5	U	50.5		mg/Kg		08/28/23 19:06	08/29/23 23:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*137*	*S1+*	*70 - 130*	*08/28/23 19:06*	*08/29/23 23:58*	*1*
o-Terphenyl	*129*		*70 - 130*	*08/28/23 19:06*	*08/29/23 23:58*	*1*

Client Sample Results

Client: CDH Consulting
Project/Site: Jackson B 029

Job ID: 890-5084-1

Client Sample ID: SS06L
Date Collected: 08/14/23 10:00
Date Received: 08/14/23 13:25
Sample Depth: 20

Lab Sample ID: 890-5084-5
Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	13400		99.4		mg/Kg			09/01/23 11:25	20

Client Sample ID: SS11
Date Collected: 08/14/23 10:15
Date Received: 08/14/23 13:25
Sample Depth: 0.5

Lab Sample ID: 890-5084-7
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/24/23 09:32	08/24/23 20:18	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/24/23 09:32	08/24/23 20:18	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/24/23 09:32	08/24/23 20:18	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/24/23 09:32	08/24/23 20:18	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/24/23 09:32	08/24/23 20:18	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/24/23 09:32	08/24/23 20:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*	*08/24/23 09:32*	*08/24/23 20:18*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*08/24/23 09:32*	*08/24/23 20:18*	*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			08/25/23 09:19	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			08/25/23 11:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<49.9	U	49.9		mg/Kg		08/24/23 12:53	08/24/23 22:17	1
Over C10-C28	<49.9	U	49.9		mg/Kg		08/24/23 12:53	08/24/23 22:17	1
Over C28-C36	<49.9	U	49.9		mg/Kg		08/24/23 12:53	08/24/23 22:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*106*		*70 - 130*	*08/24/23 12:53*	*08/24/23 22:17*	*1*
o-Terphenyl	*108*		*70 - 130*	*08/24/23 12:53*	*08/24/23 22:17*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	764		5.02		mg/Kg			08/16/23 13:29	1

Surrogate Summary

Client: CDH Consulting
Project/Site: Jackson B 029

Job ID: 890-5084-1

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)
890-5084-1	SS05K	91	86
890-5084-2	SS05L	82	116
890-5084-4	SS06K	92	90
890-5084-5	SS06L	89	117
890-5084-7	SS11	93	91
LCS 880-60970/1-A	Lab Control Sample	74	88
LCS 880-61431/1-A	Lab Control Sample	86	106
LCSD 880-60970/2-A	Lab Control Sample Dup	92	89
LCSD 880-61431/2-A	Lab Control Sample Dup	102	106
MB 880-60970/5-A	Method Blank	95	112
MB 880-61431/6-A	Method Blank	72	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)
890-5084-1	SS05K	104	111
890-5084-1 MS	SS05K	108	98
890-5084-1 MSD	SS05K	103	98
890-5084-2	SS05L	147 S1+	139 S1+
890-5084-4	SS06K	127	133 S1+
890-5084-5	SS06L	137 S1+	129
890-5084-7	SS11	106	108
LCS 880-61009/2-A	Lab Control Sample	97	105
LCS 880-61372/2-A	Lab Control Sample	118	124
LCSD 880-61009/3-A	Lab Control Sample Dup	103	117
LCSD 880-61372/3-A	Lab Control Sample Dup	147 S1+	155 S1+
MB 880-61009/1-A	Method Blank	153 S1+	167 S1+
MB 880-61372/1-A	Method Blank	135 S1+	132 S1+

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: CDH Consulting
Project/Site: Jackson B 029

Job ID: 890-5084-1

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-60970/5-A
Matrix: Solid
Analysis Batch: 60963

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 60970

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/24/23 09:32	08/24/23 13:28	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/24/23 09:32	08/24/23 13:28	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/24/23 09:32	08/24/23 13:28	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/24/23 09:32	08/24/23 13:28	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/24/23 09:32	08/24/23 13:28	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/24/23 09:32	08/24/23 13:28	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*	*08/24/23 09:32*	*08/24/23 13:28*	*1*
1,4-Difluorobenzene (Surr)	*112*		*70 - 130*	*08/24/23 09:32*	*08/24/23 13:28*	*1*

Lab Sample ID: LCS 880-60970/1-A
Matrix: Solid
Analysis Batch: 60963

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 60970

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08894		mg/Kg		89	70 - 130
Ethylbenzene	0.100	0.07908		mg/Kg		79	70 - 130
Toluene	0.100	0.09456		mg/Kg		95	70 - 130
m-Xylene & p-Xylene	0.200	0.1497		mg/Kg		75	70 - 130
o-Xylene	0.100	0.07027		mg/Kg		70	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*74*		*70 - 130*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*

Lab Sample ID: LCSD 880-60970/2-A
Matrix: Solid
Analysis Batch: 60963

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 60970

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1011		mg/Kg		101	70 - 130	13	35
Ethylbenzene	0.100	0.09884		mg/Kg		99	70 - 130	22	35
Toluene	0.100	0.1041		mg/Kg		104	70 - 130	10	35
m-Xylene & p-Xylene	0.200	0.2018		mg/Kg		101	70 - 130	30	35
o-Xylene	0.100	0.09357		mg/Kg		94	70 - 130	28	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*

Lab Sample ID: MB 880-61431/6-A
Matrix: Solid
Analysis Batch: 61423

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 61431

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		08/29/23 09:40	08/29/23 11:22	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/29/23 09:40	08/29/23 11:22	1

QC Sample Results

Client: CDH Consulting
Project/Site: Jackson B 029

Job ID: 890-5084-1

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

Lab Sample ID: MB 880-61431/6-A
Matrix: Solid
Analysis Batch: 61423

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 61431

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	<0.00198	U	0.00198		mg/Kg		08/29/23 09:40	08/29/23 11:22	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		08/29/23 09:40	08/29/23 11:22	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		08/29/23 09:40	08/29/23 11:22	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/29/23 09:40	08/29/23 11:22	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*72*		*70 - 130*	*08/29/23 09:40*	*08/29/23 11:22*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*08/29/23 09:40*	*08/29/23 11:22*	*1*

Lab Sample ID: LCS 880-61431/1-A
Matrix: Solid
Analysis Batch: 61423

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 61431

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09297		mg/Kg		93	70 - 130
Ethylbenzene	0.100	0.08256		mg/Kg		83	70 - 130
Toluene	0.100	0.09479		mg/Kg		95	70 - 130
m-Xylene & p-Xylene	0.200	0.1753		mg/Kg		88	70 - 130
o-Xylene	0.100	0.08738		mg/Kg		87	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*86*		*70 - 130*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*

Lab Sample ID: LCSD 880-61431/2-A
Matrix: Solid
Analysis Batch: 61423

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 61431

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09228		mg/Kg		92	70 - 130	1	35
Ethylbenzene	0.100	0.09862		mg/Kg		99	70 - 130	18	35
Toluene	0.100	0.1049		mg/Kg		105	70 - 130	10	35
m-Xylene & p-Xylene	0.200	0.2167		mg/Kg		108	70 - 130	21	35
o-Xylene	0.100	0.1078		mg/Kg		108	70 - 130	21	35

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

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

Lab Sample ID: MB 880-61009/1-A
Matrix: Solid
Analysis Batch: 60956

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 61009

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<50.0	U	50.0		mg/Kg		08/24/23 12:51	08/24/23 19:47	1
Over C10-C28	<50.0	U	50.0		mg/Kg		08/24/23 12:51	08/24/23 19:47	1

QC Sample Results

Client: CDH Consulting
Project/Site: Jackson B 029

Job ID: 890-5084-1

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

Lab Sample ID: MB 880-61009/1-A
Matrix: Solid
Analysis Batch: 60956

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 61009

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Over C28-C36	<50.0	U	50.0		mg/Kg		08/24/23 12:51	08/24/23 19:47	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*153*	*S1+*	*70 - 130*	*08/24/23 12:51*	*08/24/23 19:47*	*1*
o-Terphenyl	*167*	*S1+*	*70 - 130*	*08/24/23 12:51*	*08/24/23 19:47*	*1*

Lab Sample ID: LCS 880-61009/2-A
Matrix: Solid
Analysis Batch: 60956

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 61009

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
C6-C10			1000	924.4		mg/Kg		92	70 - 130		
Over C10-C28			1000	850.1		mg/Kg		85	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*97*		*70 - 130*
o-Terphenyl	*105*		*70 - 130*

Lab Sample ID: LCSD 880-61009/3-A
Matrix: Solid
Analysis Batch: 60956

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 61009

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
C6-C10			1000	969.2		mg/Kg		97	70 - 130	5	20
Over C10-C28			1000	861.8		mg/Kg		86	70 - 130	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*103*		*70 - 130*
o-Terphenyl	*117*		*70 - 130*

Lab Sample ID: 890-5084-1 MS
Matrix: Solid
Analysis Batch: 60956

Client Sample ID: SS05K
Prep Type: Total/NA
Prep Batch: 61009

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
C6-C10	<50.0	U	1010	1303		mg/Kg		127	70 - 130		
Over C10-C28	<50.0	U	1010	978.3		mg/Kg		95	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*108*		*70 - 130*
o-Terphenyl	*98*		*70 - 130*

Lab Sample ID: 890-5084-1 MSD
Matrix: Solid
Analysis Batch: 60956

Client Sample ID: SS05K
Prep Type: Total/NA
Prep Batch: 61009

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
C6-C10	<50.0	U	1010	1245		mg/Kg		121	70 - 130	5	20

QC Sample Results

Client: CDH Consulting
Project/Site: Jackson B 029

Job ID: 890-5084-1

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

Lab Sample ID: 890-5084-1 MSD — **Client Sample ID: SS05K**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 60956 — **Prep Batch: 61009**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Over C10-C28	<50.0	U	1010	959.7		mg/Kg		93	70 - 130	2	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*103*		*70 - 130*
o-Terphenyl	*98*		*70 - 130*

Lab Sample ID: MB 880-61372/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 61415 — **Prep Batch: 61372**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<50.0	U	50.0		mg/Kg		08/28/23 18:34	08/29/23 19:20	1
Over C10-C28	<50.0	U	50.0		mg/Kg		08/28/23 18:34	08/29/23 19:20	1
Over C28-C36	<50.0	U	50.0		mg/Kg		08/28/23 18:34	08/29/23 19:20	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*135*	*S1+*	*70 - 130*	*08/28/23 18:34*	*08/29/23 19:20*	*1*
o-Terphenyl	*132*	*S1+*	*70 - 130*	*08/28/23 18:34*	*08/29/23 19:20*	*1*

Lab Sample ID: LCS 880-61372/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 61415 — **Prep Batch: 61372**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
C6-C10			1000	1006		mg/Kg		101	70 - 130		
Over C10-C28			1000	1060		mg/Kg		106	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*118*		*70 - 130*
o-Terphenyl	*124*		*70 - 130*

Lab Sample ID: LCSD 880-61372/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 61415 — **Prep Batch: 61372**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
C6-C10			1000	1145		mg/Kg		115	70 - 130	13	20
Over C10-C28			1000	1227		mg/Kg		123	70 - 130	15	20

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

QC Sample Results

Client: CDH Consulting
Project/Site: Jackson B 029

Job ID: 890-5084-1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-60241/1-A
Matrix: Solid
Analysis Batch: 60334

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			08/15/23 23:06	1

Lab Sample ID: LCS 880-60241/2-A
Matrix: Solid
Analysis Batch: 60334

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	253.8		mg/Kg		102	90 - 110

Lab Sample ID: LCSD 880-60241/3-A
Matrix: Solid
Analysis Batch: 60334

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	254.2		mg/Kg		102	90 - 110	0	20

Lab Sample ID: MB 880-61438/1-A
Matrix: Solid
Analysis Batch: 61646

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			08/31/23 18:56	1

Lab Sample ID: LCS 880-61438/2-A
Matrix: Solid
Analysis Batch: 61646

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	249.9		mg/Kg		100	90 - 110

Lab Sample ID: LCSD 880-61438/3-A
Matrix: Solid
Analysis Batch: 61646

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	248.3		mg/Kg		99	90 - 110	1	20

Lab Sample ID: MB 880-61891/1-A
Matrix: Solid
Analysis Batch: 61933

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			09/06/23 10:30	1

Lab Sample ID: LCS 880-61891/2-A
Matrix: Solid
Analysis Batch: 61933

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

QC Sample Results

Client: CDH Consulting
Project/Site: Jackson B 029

Job ID: 890-5084-1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCSD 880-61891/3-A
Matrix: Solid
Analysis Batch: 61933

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	248.9		mg/Kg		100	90 - 110	0	20

QC Association Summary

Client: CDH Consulting
Project/Site: Jackson B 029

Job ID: 890-5084-1

GC VOA

Analysis Batch: 60963

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5084-1	SS05K	Total/NA	Solid	8021B	60970
890-5084-4	SS06K	Total/NA	Solid	8021B	60970
890-5084-7	SS11	Total/NA	Solid	8021B	60970
MB 880-60970/5-A	Method Blank	Total/NA	Solid	8021B	60970
LCS 880-60970/1-A	Lab Control Sample	Total/NA	Solid	8021B	60970
LCSD 880-60970/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	60970

Prep Batch: 60970

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5084-1	SS05K	Total/NA	Solid	5035	
890-5084-4	SS06K	Total/NA	Solid	5035	
890-5084-7	SS11	Total/NA	Solid	5035	
MB 880-60970/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-60970/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-60970/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 61079

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5084-1	SS05K	Total/NA	Solid	Total BTEX	
890-5084-2	SS05L	Total/NA	Solid	Total BTEX	
890-5084-4	SS06K	Total/NA	Solid	Total BTEX	
890-5084-5	SS06L	Total/NA	Solid	Total BTEX	
890-5084-7	SS11	Total/NA	Solid	Total BTEX	

Analysis Batch: 61423

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5084-2	SS05L	Total/NA	Solid	8021B	61431
890-5084-5	SS06L	Total/NA	Solid	8021B	61431
MB 880-61431/6-A	Method Blank	Total/NA	Solid	8021B	61431
LCS 880-61431/1-A	Lab Control Sample	Total/NA	Solid	8021B	61431
LCSD 880-61431/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	61431

Prep Batch: 61431

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5084-2	SS05L	Total/NA	Solid	5035	
890-5084-5	SS06L	Total/NA	Solid	5035	
MB 880-61431/6-A	Method Blank	Total/NA	Solid	5035	
LCS 880-61431/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-61431/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

GC Semi VOA

Analysis Batch: 60956

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5084-1	SS05K	Total/NA	Solid	8015B NM	61009
890-5084-4	SS06K	Total/NA	Solid	8015B NM	61009
890-5084-7	SS11	Total/NA	Solid	8015B NM	61009
MB 880-61009/1-A	Method Blank	Total/NA	Solid	8015B NM	61009
LCS 880-61009/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	61009
LCSD 880-61009/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	61009
890-5084-1 MS	SS05K	Total/NA	Solid	8015B NM	61009

QC Association Summary

Client: CDH Consulting
Project/Site: Jackson B 029

Job ID: 890-5084-1

GC Semi VOA (Continued)

Analysis Batch: 60956 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5084-1 MSD	SS05K	Total/NA	Solid	8015B NM	61009

Prep Batch: 61009

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5084-1	SS05K	Total/NA	Solid	8015NM Prep	
890-5084-4	SS06K	Total/NA	Solid	8015NM Prep	
890-5084-7	SS11	Total/NA	Solid	8015NM Prep	
MB 880-61009/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-61009/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-61009/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-5084-1 MS	SS05K	Total/NA	Solid	8015NM Prep	
890-5084-1 MSD	SS05K	Total/NA	Solid	8015NM Prep	

Analysis Batch: 61129

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5084-1	SS05K	Total/NA	Solid	8015 NM	
890-5084-2	SS05L	Total/NA	Solid	8015 NM	
890-5084-4	SS06K	Total/NA	Solid	8015 NM	
890-5084-5	SS06L	Total/NA	Solid	8015 NM	
890-5084-7	SS11	Total/NA	Solid	8015 NM	

Prep Batch: 61372

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5084-2	SS05L	Total/NA	Solid	8015NM Prep	
890-5084-5	SS06L	Total/NA	Solid	8015NM Prep	
MB 880-61372/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-61372/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-61372/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 61415

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5084-2	SS05L	Total/NA	Solid	8015B NM	61372
890-5084-5	SS06L	Total/NA	Solid	8015B NM	61372
MB 880-61372/1-A	Method Blank	Total/NA	Solid	8015B NM	61372
LCS 880-61372/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	61372
LCSD 880-61372/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	61372

HPLC/IC

Leach Batch: 60241

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5084-1	SS05K	Soluble	Solid	DI Leach	
890-5084-4	SS06K	Soluble	Solid	DI Leach	
890-5084-7	SS11	Soluble	Solid	DI Leach	
MB 880-60241/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-60241/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-60241/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 60334

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5084-1	SS05K	Soluble	Solid	300.0	60241

QC Association Summary

Client: CDH Consulting
Project/Site: Jackson B 029

Job ID: 890-5084-1

HPLC/IC (Continued)

Analysis Batch: 60334 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5084-4	SS06K	Soluble	Solid	300.0	60241
890-5084-7	SS11	Soluble	Solid	300.0	60241
MB 880-60241/1-A	Method Blank	Soluble	Solid	300.0	60241
LCS 880-60241/2-A	Lab Control Sample	Soluble	Solid	300.0	60241
LCSD 880-60241/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	60241

Leach Batch: 61438

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5084-2	SS05L	Soluble	Solid	DI Leach	
890-5084-5	SS06L	Soluble	Solid	DI Leach	
MB 880-61438/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-61438/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-61438/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 61646

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5084-2	SS05L	Soluble	Solid	300.0	61438
890-5084-5	SS06L	Soluble	Solid	300.0	61438
MB 880-61438/1-A	Method Blank	Soluble	Solid	300.0	61438
LCS 880-61438/2-A	Lab Control Sample	Soluble	Solid	300.0	61438
LCSD 880-61438/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	61438

Leach Batch: 61891

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5084-3	SS05M	Soluble	Solid	DI Leach	
MB 880-61891/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-61891/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-61891/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 61933

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5084-3	SS05M	Soluble	Solid	300.0	61891
MB 880-61891/1-A	Method Blank	Soluble	Solid	300.0	61891
LCS 880-61891/2-A	Lab Control Sample	Soluble	Solid	300.0	61891
LCSD 880-61891/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	61891

Lab Chronicle

Client: CDH Consulting
Project/Site: Jackson B 029

Job ID: 890-5084-1

Client Sample ID: SS05K
Date Collected: 08/14/23 09:15
Date Received: 08/14/23 13:25

Lab Sample ID: 890-5084-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			60970	EL	EET MID	08/24/23 09:32
Total/NA	Analysis	8021B		1	60963	AJ	EET MID	08/24/23 19:37
Total/NA	Analysis	Total BTEX		1	61079	SM	EET MID	08/25/23 09:19
Total/NA	Analysis	8015 NM		1	61129	SM	EET MID	08/25/23 11:26
Total/NA	Prep	8015NM Prep			61009	TKC	EET MID	08/24/23 12:53
Total/NA	Analysis	8015B NM		1	60956	SM	EET MID	08/24/23 20:52
Soluble	Leach	DI Leach			60241	SMC	EET MID	08/15/23 08:21
Soluble	Analysis	300.0		50	60334	SMC	EET MID	08/16/23 00:11

Client Sample ID: SS05L
Date Collected: 08/14/23 09:20
Date Received: 08/14/23 13:25

Lab Sample ID: 890-5084-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			61431	AJ	EET MID	08/29/23 09:40
Total/NA	Analysis	8021B		1	61423	SM	EET MID	08/29/23 13:48
Total/NA	Analysis	Total BTEX		1	61079	SM	EET MID	08/30/23 08:53
Total/NA	Analysis	8015 NM		1	61129	SM	EET MID	08/30/23 11:45
Total/NA	Prep	8015NM Prep			61372	TKC	EET MID	08/28/23 19:06
Total/NA	Analysis	8015B NM		1	61415	SM	EET MID	08/29/23 23:37
Soluble	Leach	DI Leach			61438	SMC	EET MID	08/29/23 10:19
Soluble	Analysis	300.0		50	61646	CH	EET MID	09/01/23 11:18

Client Sample ID: SS05M
Date Collected: 08/14/23 09:30
Date Received: 08/14/23 13:25

Lab Sample ID: 890-5084-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Soluble	Leach	DI Leach			61891	CH	EET MID	09/06/23 10:30
Soluble	Analysis	300.0		50	61933	CH	EET MID	09/06/23 13:31

Client Sample ID: SS06K
Date Collected: 08/14/23 09:55
Date Received: 08/14/23 13:25

Lab Sample ID: 890-5084-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			60970	EL	EET MID	08/24/23 09:32
Total/NA	Analysis	8021B		1	60963	AJ	EET MID	08/24/23 19:58
Total/NA	Analysis	Total BTEX		1	61079	SM	EET MID	08/25/23 09:19
Total/NA	Analysis	8015 NM		1	61129	SM	EET MID	08/25/23 11:26
Total/NA	Prep	8015NM Prep			61009	TKC	EET MID	08/24/23 12:53
Total/NA	Analysis	8015B NM		1	60956	SM	EET MID	08/24/23 21:56
Soluble	Leach	DI Leach			60241	SMC	EET MID	08/15/23 08:21
Soluble	Analysis	300.0		50	60334	SMC	EET MID	08/16/23 00:32

Lab Chronicle

Client: CDH Consulting
Project/Site: Jackson B 029

Job ID: 890-5084-1

Client Sample ID: SS06L
Date Collected: 08/14/23 10:00
Date Received: 08/14/23 13:25

Lab Sample ID: 890-5084-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			61431	AJ	EET MID	08/29/23 09:40
Total/NA	Analysis	8021B		1	61423	SM	EET MID	08/29/23 14:09
Total/NA	Analysis	Total BTEX		1	61079	SM	EET MID	08/30/23 08:53
Total/NA	Analysis	8015 NM		1	61129	SM	EET MID	08/30/23 11:45
Total/NA	Prep	8015NM Prep			61372	TKC	EET MID	08/28/23 19:06
Total/NA	Analysis	8015B NM		1	61415	SM	EET MID	08/29/23 23:58
Soluble	Leach	DI Leach			61438	SMC	EET MID	08/29/23 10:19
Soluble	Analysis	300.0		20	61646	CH	EET MID	09/01/23 11:25

Client Sample ID: SS11
Date Collected: 08/14/23 10:15
Date Received: 08/14/23 13:25

Lab Sample ID: 890-5084-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			60970	EL	EET MID	08/24/23 09:32
Total/NA	Analysis	8021B		1	60963	AJ	EET MID	08/24/23 20:18
Total/NA	Analysis	Total BTEX		1	61079	SM	EET MID	08/25/23 09:19
Total/NA	Analysis	8015 NM		1	61129	SM	EET MID	08/25/23 11:26
Total/NA	Prep	8015NM Prep			61009	TKC	EET MID	08/24/23 12:53
Total/NA	Analysis	8015B NM		1	60956	SM	EET MID	08/24/23 22:17
Soluble	Leach	DI Leach			60241	SMC	EET MID	08/15/23 08:21
Soluble	Analysis	300.0		1	60334	SMC	EET MID	08/16/23 13:29

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 029

Job ID: 890-5084-1

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	T104704400-23-26	06-30-24

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

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: CDH Consulting
Project/Site: Jackson B 029

Job ID: 890-5084-1

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 029

Job ID: 890-5084-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-5084-1	SS05K	Solid	08/14/23 09:15	08/14/23 13:25	156
890-5084-2	SS05L	Solid	08/14/23 09:20	08/14/23 13:25	20
890-5084-3	SS05M	Solid	08/14/23 09:30	08/14/23 13:25	25
890-5084-4	SS06K	Solid	08/14/23 09:55	08/14/23 13:25	15
890-5084-5	SS06L	Solid	08/14/23 10:00	08/14/23 13:25	20
890-5084-7	SS11	Solid	08/14/23 10:15	08/14/23 13:25	0.5

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Chain of Custody

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

Work Order No: _____

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Project Manager:	Katherine Kahn	Bill to: (if different)	
Company Name:	CDH Consulting	Company Name:	
Address:	9446 Clermont Street	Address:	
City, State ZIP:	Thornton, CO 80229	City, State ZIP:	
Phone:	(303) 319-9604 Email:	Email:	KKahn@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 029	Turn Around	
Project Number:		☒ Routine ☐ Rush	
Project Location:	Loco Hills, NM	Due Date:	
Sampler's Name:	Elizabeth Lake	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:	T_NM-007	
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2	
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	10.4	
Total Containers:		Corrected Temperature:	10.2	

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	BTEX	TPH	Chloride	Sample Comments
SS05K	Soil	8/14/23	0915	15'	Grab	1	X	X	X	
SS05L			0920	20'						Hold
SS05M			0930	25'						Hold
SS06K			0955	15'						
SS06L			1000	20'						Hold
SS06M			1005	25'						Hold
SS11			1015	0.5'						

890-5084 Chain of Custody

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010 : 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg: 1631 / 245.1 / 7470 / 7471

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		8.14.23 1325	4		
3			6		
5					

Revised Date: 08/25/2020 Rev. 2020.2

Login Sample Receipt Checklist

Client: CDH Consulting

Job Number: 890-5084-1
SDG Number:

Login Number: 5084
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	
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: 890-5084-1
SDG Number:

Login Number: 5084
List Number: 2
Creator: Teel, Brianna

List Source: Eurofins Midland
List Creation: 08/15/23 10:23 AM

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

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ANALYTICAL REPORT

PREPARED FOR

Attn: Katherine Kahn
CDH Consulting
9446 Clermont St,
Thornton, Colorado 80229

Generated 9/1/2023 11:39:16 AM Revision 1

JOB DESCRIPTION

Jackson 29
SDG NUMBER Low Hills NM

JOB NUMBER

880-32686-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

my EOL

Eurofins Midland

Job Notes

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

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

Authorization

Generated
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Revision 1

Authorized for release by
Sylvia Garza, Project Manager
Sylvia.Garza@et.eurofinsus.com
Designee for
Irene Vann, Project Manager
Irene.Vann@et.eurofinsus.com
(210)509-3334

Client: CDH Consulting
Project/Site: Jackson 29

Laboratory Job ID: 880-32686-1
SDG: Low Hills NM

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Definitions/Glossary

Client: CDH Consulting
Project/Site: Jackson 29

Job ID: 880-32686-1
SDG: Low 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/Site: Jackson 29

Job ID: 880-32686-1
SDG: Low Hills NM

Job ID: 880-32686-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-32686-1

REVISION

The report being provided is a revision of the original report sent on 8/31/2023. The report (revision 1) is being revised due to corrected client name per coc..

Receipt
The sample was received on 8/29/2023 3:00 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.3°C

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

GC Semi VOA
Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-61457 and analytical batch 880-61504 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: SS12 Jackson 29 (880-32686-1). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (CCV 880-61504/20), (CCV 880-61504/31) and (CCV 880-61504/5). Evidence of matrix interferences is not obvious.

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

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

Client Sample Results

Client: CDH Consulting
Project/Site: Jackson 29

Job ID: 880-32686-1
SDG: Low Hills NM

Client Sample ID: SS12 Jackson 29

Date Collected: 08/15/23 10:05
Date Received: 08/29/23 15:00

Lab Sample ID: 880-32686-1

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND	U	0.00202		mg/Kg		08/29/23 09:40	08/29/23 18:17	1
Ethylbenzene	ND	U	0.00202		mg/Kg		08/29/23 09:40	08/29/23 18:17	1
Toluene	ND	U	0.00202		mg/Kg		08/29/23 09:40	08/29/23 18:17	1
Xylenes, Total	ND	U	0.00404		mg/Kg		08/29/23 09:40	08/29/23 18:17	1
m-Xylene & p-Xylene	ND	U	0.00404		mg/Kg		08/29/23 09:40	08/29/23 18:17	1
o-Xylene	ND	U	0.00202		mg/Kg		08/29/23 09:40	08/29/23 18:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*81*		*70 - 130*	*08/29/23 09:40*	*08/29/23 18:17*	*1*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*	*08/29/23 09:40*	*08/29/23 18:17*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	ND	U	0.00404		mg/Kg			08/30/23 08:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	ND	U	50.1		mg/Kg			08/31/23 10:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND	U	50.1		mg/Kg		08/29/23 15:11	08/30/23 18:26	1
Diesel Range Organics (Over C10-C28)	ND	U	50.1		mg/Kg		08/29/23 15:11	08/30/23 18:26	1
Oil Range Organics (Over C28-C36)	ND	U	50.1		mg/Kg		08/29/23 15:11	08/30/23 18:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*137*	*S1+*	*70 - 130*	*08/29/23 15:11*	*08/30/23 18:26*	*1*
o-Terphenyl	*129*		*70 - 130*	*08/29/23 15:11*	*08/30/23 18:26*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**90.8**		5.02		mg/Kg			08/30/23 03:27	1

Surrogate Summary

Client: CDH Consulting
Project/Site: Jackson 29

Job ID: 880-32686-1
SDG: Low Hills NM

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-32686-1	SS12 Jackson 29	81	108
LCS 880-61431/1-A	Lab Control Sample	86	106
LCSD 880-61431/2-A	Lab Control Sample Dup	102	106
MB 880-61431/6-A	Method Blank	72	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)
880-32686-1	SS12 Jackson 29	137 S1+	129
LCS 880-61457/2-A	Lab Control Sample	109	123
LCSD 880-61457/3-A	Lab Control Sample Dup	111	116
MB 880-61457/1-A	Method Blank	136 S1+	137 S1+

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: CDH Consulting
Project/Site: Jackson 29

Job ID: 880-32686-1
SDG: Low Hills NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-61431/6-A
Matrix: Solid
Analysis Batch: 61423

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 61431

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND	U	0.00198		mg/Kg		08/29/23 09:40	08/29/23 11:22	1
Ethylbenzene	ND	U	0.00198		mg/Kg		08/29/23 09:40	08/29/23 11:22	1
Toluene	ND	U	0.00198		mg/Kg		08/29/23 09:40	08/29/23 11:22	1
Xylenes, Total	ND	U	0.00396		mg/Kg		08/29/23 09:40	08/29/23 11:22	1
m-Xylene & p-Xylene	ND	U	0.00396		mg/Kg		08/29/23 09:40	08/29/23 11:22	1
o-Xylene	ND	U	0.00198		mg/Kg		08/29/23 09:40	08/29/23 11:22	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*72*		*70 - 130*	*08/29/23 09:40*	*08/29/23 11:22*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*08/29/23 09:40*	*08/29/23 11:22*	*1*

Lab Sample ID: LCS 880-61431/1-A
Matrix: Solid
Analysis Batch: 61423

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 61431

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.09297		mg/Kg		93	70 - 130		
Ethylbenzene			0.100	0.08256		mg/Kg		83	70 - 130		
Toluene			0.100	0.09479		mg/Kg		95	70 - 130		
m-Xylene & p-Xylene			0.200	0.1753		mg/Kg		88	70 - 130		
o-Xylene			0.100	0.08738		mg/Kg		87	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*86*		*70 - 130*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*

Lab Sample ID: LCSD 880-61431/2-A
Matrix: Solid
Analysis Batch: 61423

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 61431

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.09228		mg/Kg		92	70 - 130	1	35
Ethylbenzene			0.100	0.09862		mg/Kg		99	70 - 130	18	35
Toluene			0.100	0.1049		mg/Kg		105	70 - 130	10	35
m-Xylene & p-Xylene			0.200	0.2167		mg/Kg		108	70 - 130	21	35
o-Xylene			0.100	0.1078		mg/Kg		108	70 - 130	21	35

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

QC Sample Results

Client: CDH Consulting
Project/Site: Jackson 29

Job ID: 880-32686-1
SDG: Low Hills NM

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

Lab Sample ID: MB 880-61457/1-A
Matrix: Solid
Analysis Batch: 61504

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 61457

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND	U	50.0		mg/Kg		08/29/23 12:00	08/30/23 08:32	1
Diesel Range Organics (Over C10-C28)	ND	U	50.0		mg/Kg		08/29/23 12:00	08/30/23 08:32	1
Oil Range Organics (Over C28-C36)	ND	U	50.0		mg/Kg		08/29/23 12:00	08/30/23 08:32	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*136*	*S1+*	*70 - 130*	*08/29/23 12:00*	*08/30/23 08:32*	*1*
o-Terphenyl	*137*	*S1+*	*70 - 130*	*08/29/23 12:00*	*08/30/23 08:32*	*1*

Lab Sample ID: LCS 880-61457/2-A
Matrix: Solid
Analysis Batch: 61504

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 61457

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	954.7		mg/Kg		95	70 - 130
Diesel Range Organics (Over C10-C28)	1000	982.2		mg/Kg		98	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*109*		*70 - 130*
o-Terphenyl	*123*		*70 - 130*

Lab Sample ID: LCSD 880-61457/3-A
Matrix: Solid
Analysis Batch: 61504

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 61457

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	927.4		mg/Kg		93	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	1000	918.9		mg/Kg		92	70 - 130	7	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*111*		*70 - 130*
o-Terphenyl	*116*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-61488/1-A
Matrix: Solid
Analysis Batch: 61501

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND	U	5.00		mg/Kg			08/29/23 23:31	1

QC Sample Results

Client: CDH Consulting
Project/Site: Jackson 29

Job ID: 880-32686-1
SDG: Low Hills NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-61488/2-A
Matrix: Solid
Analysis Batch: 61501

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	251.8		mg/Kg		101	90 - 110		

Lab Sample ID: LCSD 880-61488/3-A
Matrix: Solid
Analysis Batch: 61501

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	251.5		mg/Kg		101	90 - 110	0	20

QC Association Summary

Client: CDH Consulting
Project/Site: Jackson 29

Job ID: 880-32686-1
SDG: Low Hills NM

GC VOA

Analysis Batch: 61423

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-32686-1	SS12 Jackson 29	Total/NA	Solid	8021B	61431
MB 880-61431/6-A	Method Blank	Total/NA	Solid	8021B	61431
LCS 880-61431/1-A	Lab Control Sample	Total/NA	Solid	8021B	61431
LCSD 880-61431/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	61431

Prep Batch: 61431

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-32686-1	SS12 Jackson 29	Total/NA	Solid	5035	
MB 880-61431/6-A	Method Blank	Total/NA	Solid	5035	
LCS 880-61431/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-61431/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 61512

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-32686-1	SS12 Jackson 29	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 61457

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-32686-1	SS12 Jackson 29	Total/NA	Solid	8015NM Prep	
MB 880-61457/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-61457/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-61457/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 61504

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-32686-1	SS12 Jackson 29	Total/NA	Solid	8015B NM	61457
MB 880-61457/1-A	Method Blank	Total/NA	Solid	8015B NM	61457
LCS 880-61457/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	61457
LCSD 880-61457/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	61457

Analysis Batch: 61655

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-32686-1	SS12 Jackson 29	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 61488

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-32686-1	SS12 Jackson 29	Soluble	Solid	DI Leach	
MB 880-61488/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-61488/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-61488/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 61501

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-32686-1	SS12 Jackson 29	Soluble	Solid	300.0	61488
MB 880-61488/1-A	Method Blank	Soluble	Solid	300.0	61488
LCS 880-61488/2-A	Lab Control Sample	Soluble	Solid	300.0	61488
LCSD 880-61488/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	61488

Lab Chronicle

Client: CDH Consulting
Project/Site: Jackson 29

Job ID: 880-32686-1
SDG: Low Hills NM

Client Sample ID: SS12 Jackson 29

Date Collected: 08/15/23 10:05
Date Received: 08/29/23 15:00

Lab Sample ID: 880-32686-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	61431	08/29/23 09:40	AJ	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	61423	08/29/23 18:17	SM	EET MID
Total/NA	Analysis	Total BTEX		1			61512	08/30/23 08:53	SM	EET MID
Total/NA	Analysis	8015 NM		1			61655	08/31/23 10:35	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	61457	08/29/23 15:11	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	61504	08/30/23 18:26	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	61488	08/29/23 15:33	SMC	EET MID
Soluble	Analysis	300.0		1			61501	08/30/23 03:27	CH	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: CDH Consulting
Project/Site: Jackson 29

Job ID: 880-32686-1
SDG: Low 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	T104704400-23-26	06-30-24

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

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: CDH Consulting
Project/Site: Jackson 29

Job ID: 880-32686-1
SDG: Low 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 29

Job ID: 880-32686-1
SDG: Low Hills NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-32686-1	SS12 Jackson 29	Solid	08/15/23 10:05	08/29/23 15:00

eurofins | Environment Testing

Chain of Custody

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

Wo 880-32686 Chain of Custody

Page 1 of 1

Project Manager:	Katherine Kahn	Bill to: (if different)	
Company Name.	CDH Consulting	Company Name	
Address.	9446 Clermont St	Address	
City, State ZIP.	Thornton, CO 80229	City, State ZIP.	
Phone:	303 319 9604	Email	

Work Order Comments

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

Project Name:	Jackson 29	Turn Around	
Project Number:		☐ Routine ☐ Rush	
Project Location	Low Hills NM	Due Date:	
Sampler's Name	Elizabeth Naca	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	IR8	
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	0.3	
Sample Custody Seals.	Yes No (N/A)	Temperature Reading:	2.6	
Total Containers.		Corrected Temperature.	2.3	

ANALYSIS REQUEST

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	Parameters: TPH 8015	BTEX	Chloride
SS12 for Jackson 29		8/15	1005	0.5'						

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		8 29 23 1500	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Login Sample Receipt Checklist

Client: CDH Consulting

Job Number: 880-32686-1
SDG Number: Low Hills NM

Login Number: 32686
List Number: 1
Creator: Kramer, Jessica

List Source: Eurofins Midland

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

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Chris Del Hierro
CDH Consulting
9446 Clermont St,
Thornton, Colorado 80229

Generated 10/17/2023 12:26:55 PM

JOB DESCRIPTION

Jackson B29
SDG NUMBER Loco Hills NM

JOB NUMBER

880-34291-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

my EOL

Eurofins Midland

Job Notes

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

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

Authorization

Generated
10/17/2023 12:26:55 PM

Authorized for release by
Irene Vann, Project Manager
Irene.Vann@et.eurofinsus.com
(210)509-3334

Client: CDH Consulting
Project/Site: Jackson B29

Laboratory Job ID: 880-34291-1
SDG: Loco Hills NM

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Definitions/Glossary

Client: CDH Consulting
Project/Site: Jackson B29

Job ID: 880-34291-1
SDG: Loco Hills NM

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*1	LCS/LCSD RPD exceeds control limits.
S1+	Surrogate recovery exceeds control limits, 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/Site: Jackson B29

Job ID: 880-34291-1
SDG: Loco Hills NM

Job ID: 880-34291-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-34291-1

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

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

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

Receipt
The samples were received on 10/11/2023 10:25 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.9°C

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: SS05N (880-34291-1), SS05O (880-34291-2), SS05P (880-34291-3), SS05Q (880-34291-4) and SS05R (880-34291-5).

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

GC Semi VOA
Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-64404 and analytical batch 880-64423 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: SS05P (880-34291-3), SS05Q (880-34291-4), (CCV 880-64423/5), (LCS 880-64404/2-A), (LCSD 880-64404/3-A), (880-34208-A-1-C), (880-34208-A-1-D MS) and (880-34208-A-1-E MSD). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (CCV 880-64423/30) and (CCV 880-64423/31). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The laboratory control sample (LCS) associated with preparation batch 880-64404 and analytical batch 880-64423 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 B29

Job ID: 880-34291-1
SDG: Loco Hills NM

Client Sample ID: SS05N

Lab Sample ID: 880-34291-1
Matrix: Solid
Date Collected: 10/10/23 09:24
Date Received: 10/11/23 10:25
Sample Depth: 30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND	U	0.00199		mg/Kg		10/11/23 13:47	10/12/23 01:00	1
Ethylbenzene	ND	U	0.00199		mg/Kg		10/11/23 13:47	10/12/23 01:00	1
Toluene	ND	U	0.00199		mg/Kg		10/11/23 13:47	10/12/23 01:00	1
Xylenes, Total	ND	U	0.00398		mg/Kg		10/11/23 13:47	10/12/23 01:00	1
m-Xylene & p-Xylene	ND	U	0.00398		mg/Kg		10/11/23 13:47	10/12/23 01:00	1
o-Xylene	ND	U	0.00199		mg/Kg		10/11/23 13:47	10/12/23 01:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*	*10/11/23 13:47*	*10/12/23 01:00*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*10/11/23 13:47*	*10/12/23 01:00*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	ND	U	0.00398		mg/Kg			10/12/23 01:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**51.3**		49.9		mg/Kg			10/11/23 15:50	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	ND	U	49.9		mg/Kg		10/11/23 12:36	10/11/23 15:50	1
Diesel Range Organics (Over C10-C28)	**51.3**	***+ *1**	49.9		mg/Kg		10/11/23 12:36	10/11/23 15:50	1
OII Range Organics (Over C28-C36)	ND	U	49.9		mg/Kg		10/11/23 12:36	10/11/23 15:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*124*		*70 - 130*	*10/11/23 12:36*	*10/11/23 15:50*	*1*
o-Terphenyl	*109*		*70 - 130*	*10/11/23 12:36*	*10/11/23 15:50*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**36200**		251		mg/Kg			10/13/23 16:11	50

Client Sample ID: SS05O

Lab Sample ID: 880-34291-2
Matrix: Solid
Date Collected: 10/10/23 09:56
Date Received: 10/11/23 10:25
Sample Depth: 35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND	U	0.00200		mg/Kg		10/11/23 13:47	10/12/23 01:20	1
Ethylbenzene	ND	U	0.00200		mg/Kg		10/11/23 13:47	10/12/23 01:20	1
Toluene	ND	U	0.00200		mg/Kg		10/11/23 13:47	10/12/23 01:20	1
Xylenes, Total	ND	U	0.00399		mg/Kg		10/11/23 13:47	10/12/23 01:20	1
m-Xylene & p-Xylene	ND	U	0.00399		mg/Kg		10/11/23 13:47	10/12/23 01:20	1
o-Xylene	ND	U	0.00200		mg/Kg		10/11/23 13:47	10/12/23 01:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*	*10/11/23 13:47*	*10/12/23 01:20*	*1*

Eurofins Midland

Client Sample Results

Client: CDH Consulting
Project/Site: Jackson B29

Job ID: 880-34291-1
SDG: Loco Hills NM

Client Sample ID: SS05O

Date Collected: 10/10/23 09:56
Date Received: 10/11/23 10:25
Sample Depth: 35

Lab Sample ID: 880-34291-2

Matrix: Solid

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*10/11/23 13:47*	*10/12/23 01:20*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	ND	U	0.00399		mg/Kg			10/12/23 01:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	ND	U	49.7		mg/Kg			10/11/23 16:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND	U	49.7		mg/Kg		10/11/23 12:36	10/11/23 16:13	1
Diesel Range Organics (Over C10-C28)	ND	U *+ *1	49.7		mg/Kg		10/11/23 12:36	10/11/23 16:13	1
OII Range Organics (Over C28-C36)	ND	U	49.7		mg/Kg		10/11/23 12:36	10/11/23 16:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*135*	*S1+*	*70 - 130*	*10/11/23 12:36*	*10/11/23 16:13*	*1*
o-Terphenyl	*121*		*70 - 130*	*10/11/23 12:36*	*10/11/23 16:13*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**28900**		251		mg/Kg			10/13/23 16:16	50

Client Sample ID: SS05P

Date Collected: 10/10/23 10:22
Date Received: 10/11/23 10:25
Sample Depth: 40

Lab Sample ID: 880-34291-3

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND	U	0.00201		mg/Kg		10/11/23 13:47	10/12/23 05:33	1
Ethylbenzene	ND	U	0.00201		mg/Kg		10/11/23 13:47	10/12/23 05:33	1
Toluene	ND	U	0.00201		mg/Kg		10/11/23 13:47	10/12/23 05:33	1
Xylenes, Total	ND	U	0.00402		mg/Kg		10/11/23 13:47	10/12/23 05:33	1
m-Xylene & p-Xylene	ND	U	0.00402		mg/Kg		10/11/23 13:47	10/12/23 05:33	1
o-Xylene	ND	U	0.00201		mg/Kg		10/11/23 13:47	10/12/23 05:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*78*		*70 - 130*	*10/11/23 13:47*	*10/12/23 05:33*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*10/11/23 13:47*	*10/12/23 05:33*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	ND	U	0.00402		mg/Kg			10/12/23 05:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	ND	U	50.1		mg/Kg			10/11/23 16:57	1

Client Sample Results

Client: CDH Consulting
Project/Site: Jackson B29

Job ID: 880-34291-1
SDG: Loco Hills NM

Client Sample ID: SS05P

Lab Sample ID: 880-34291-3
Matrix: Solid
Date Collected: 10/10/23 10:22
Date Received: 10/11/23 10:25
Sample Depth: 40

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	ND	U	50.1		mg/Kg		10/11/23 12:36	10/11/23 16:57	1
Diesel Range Organics (Over C10-C28)	ND	U *+ *1	50.1		mg/Kg		10/11/23 12:36	10/11/23 16:57	1
OII Range Organics (Over C28-C36)	ND	U	50.1		mg/Kg		10/11/23 12:36	10/11/23 16:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*135*	*S1+*	*70 - 130*	*10/11/23 12:36*	*10/11/23 16:57*	*1*
o-Terphenyl	*119*		*70 - 130*	*10/11/23 12:36*	*10/11/23 16:57*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**13800**		99.6		mg/Kg			10/13/23 16:31	20

Client Sample ID: SS05Q

Lab Sample ID: 880-34291-4
Matrix: Solid
Date Collected: 10/10/23 10:00
Date Received: 10/11/23 10:25
Sample Depth: 45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND	U	0.00200		mg/Kg		10/11/23 13:47	10/12/23 05:53	1
Ethylbenzene	ND	U	0.00200		mg/Kg		10/11/23 13:47	10/12/23 05:53	1
Toluene	ND	U	0.00200		mg/Kg		10/11/23 13:47	10/12/23 05:53	1
Xylenes, Total	ND	U	0.00401		mg/Kg		10/11/23 13:47	10/12/23 05:53	1
m-Xylene & p-Xylene	ND	U	0.00401		mg/Kg		10/11/23 13:47	10/12/23 05:53	1
o-Xylene	ND	U	0.00200		mg/Kg		10/11/23 13:47	10/12/23 05:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*10/11/23 13:47*	*10/12/23 05:53*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*10/11/23 13:47*	*10/12/23 05:53*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	ND	U	0.00401		mg/Kg			10/12/23 05:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	ND	U	50.5		mg/Kg			10/11/23 17:19	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	ND	U	50.5		mg/Kg		10/11/23 12:36	10/11/23 17:19	1
Diesel Range Organics (Over C10-C28)	ND	U *+ *1	50.5		mg/Kg		10/11/23 12:36	10/11/23 17:19	1
OII Range Organics (Over C28-C36)	ND	U	50.5		mg/Kg		10/11/23 12:36	10/11/23 17:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*134*	*S1+*	*70 - 130*	*10/11/23 12:36*	*10/11/23 17:19*	*1*
o-Terphenyl	*115*		*70 - 130*	*10/11/23 12:36*	*10/11/23 17:19*	*1*

Client Sample Results

Client: CDH Consulting
Project/Site: Jackson B29

Job ID: 880-34291-1
SDG: Loco Hills NM

Client Sample ID: SS05Q
Date Collected: 10/10/23 10:00
Date Received: 10/11/23 10:25
Sample Depth: 45

Lab Sample ID: 880-34291-4
Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	18300		99.4		mg/Kg			10/13/23 16:36	20

Client Sample ID: SS05R
Date Collected: 10/10/23 11:18
Date Received: 10/11/23 10:25
Sample Depth: 50

Lab Sample ID: 880-34291-5
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND	U	0.00199		mg/Kg		10/11/23 15:00	10/12/23 06:14	1
Ethylbenzene	ND	U	0.00199		mg/Kg		10/11/23 15:00	10/12/23 06:14	1
Toluene	ND	U	0.00199		mg/Kg		10/11/23 15:00	10/12/23 06:14	1
Xylenes, Total	ND	U	0.00398		mg/Kg		10/11/23 15:00	10/12/23 06:14	1
m-Xylene & p-Xylene	ND	U	0.00398		mg/Kg		10/11/23 15:00	10/12/23 06:14	1
o-Xylene	ND	U	0.00199		mg/Kg		10/11/23 15:00	10/12/23 06:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*10/11/23 15:00*	*10/12/23 06:14*	*1*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*	*10/11/23 15:00*	*10/12/23 06:14*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	ND	U	0.00398		mg/Kg			10/12/23 06:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	ND	U	50.0		mg/Kg			10/11/23 17:41	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	ND	U	50.0		mg/Kg		10/11/23 12:36	10/11/23 17:41	1
Diesel Range Organics (Over C10-C28)	ND	U *+ *1	50.0		mg/Kg		10/11/23 12:36	10/11/23 17:41	1
OII Range Organics (Over C28-C36)	ND	U	50.0		mg/Kg		10/11/23 12:36	10/11/23 17:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*126*		*70 - 130*	*10/11/23 12:36*	*10/11/23 17:41*	*1*
o-Terphenyl	*112*		*70 - 130*	*10/11/23 12:36*	*10/11/23 17:41*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7120		50.0		mg/Kg			10/13/23 16:42	10

Surrogate Summary

Client: CDH Consulting
Project/Site: Jackson B29

Job ID: 880-34291-1
SDG: Loco Hills NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-34291-1	SS05N	93	104
880-34291-2	SS05O	93	104
880-34291-3	SS05P	78	99
880-34291-4	SS05Q	97	107
880-34291-5	SS05R	99	109
LCS 880-64494/1-A	Lab Control Sample	108	94
LCSD 880-64494/2-A	Lab Control Sample Dup	104	100
MB 880-64332/5-A	Method Blank	108	122
MB 880-64494/5-A	Method Blank	118	129

Surrogate Legend

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

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-34291-1	SS05N	124	109
880-34291-2	SS05O	135 S1+	121
880-34291-3	SS05P	135 S1+	119
880-34291-4	SS05Q	134 S1+	115
880-34291-5	SS05R	126	112
LCS 880-64404/2-A	Lab Control Sample	137 S1+	148 S1+
LCSD 880-64404/3-A	Lab Control Sample Dup	151 S1+	144 S1+
MB 880-64404/1-A	Method Blank	200 S1+	196 S1+

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: CDH Consulting
Project/Site: Jackson B29

Job ID: 880-34291-1
SDG: Loco Hills NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-64332/5-A
Matrix: Solid
Analysis Batch: 64432

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 64332

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND	U	0.00200		mg/Kg		10/10/23 10:38	10/11/23 12:35	1
Ethylbenzene	ND	U	0.00200		mg/Kg		10/10/23 10:38	10/11/23 12:35	1
Toluene	ND	U	0.00200		mg/Kg		10/10/23 10:38	10/11/23 12:35	1
Xylenes, Total	ND	U	0.00400		mg/Kg		10/10/23 10:38	10/11/23 12:35	1
m-Xylene & p-Xylene	ND	U	0.00400		mg/Kg		10/10/23 10:38	10/11/23 12:35	1
o-Xylene	ND	U	0.00200		mg/Kg		10/10/23 10:38	10/11/23 12:35	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*10/10/23 10:38*	*10/11/23 12:35*	*1*
1,4-Difluorobenzene (Surr)	*122*		*70 - 130*	*10/10/23 10:38*	*10/11/23 12:35*	*1*

Lab Sample ID: MB 880-64494/5-A
Matrix: Solid
Analysis Batch: 64432

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 64494

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND	U	0.00200		mg/Kg		10/11/23 13:47	10/12/23 00:11	1
Ethylbenzene	ND	U	0.00200		mg/Kg		10/11/23 13:47	10/12/23 00:11	1
Toluene	ND	U	0.00200		mg/Kg		10/11/23 13:47	10/12/23 00:11	1
Xylenes, Total	ND	U	0.00400		mg/Kg		10/11/23 13:47	10/12/23 00:11	1
m-Xylene & p-Xylene	ND	U	0.00400		mg/Kg		10/11/23 13:47	10/12/23 00:11	1
o-Xylene	ND	U	0.00200		mg/Kg		10/11/23 13:47	10/12/23 00:11	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*	*10/11/23 13:47*	*10/12/23 00:11*	*1*
1,4-Difluorobenzene (Surr)	*129*		*70 - 130*	*10/11/23 13:47*	*10/12/23 00:11*	*1*

Lab Sample ID: LCS 880-64494/1-A
Matrix: Solid
Analysis Batch: 64432

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 64494

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09030		mg/Kg		90	70 - 130
Ethylbenzene	0.100	0.08307		mg/Kg		83	70 - 130
Toluene	0.100	0.08593		mg/Kg		86	70 - 130
m-Xylene & p-Xylene	0.200	0.1713		mg/Kg		86	70 - 130
o-Xylene	0.100	0.08396		mg/Kg		84	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*

Lab Sample ID: LCSD 880-64494/2-A
Matrix: Solid
Analysis Batch: 64432

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 64494

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09034		mg/Kg		90	70 - 130	0	35

QC Sample Results

Client: CDH Consulting
Project/Site: Jackson B29

Job ID: 880-34291-1
SDG: Loco Hills NM

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

Lab Sample ID: LCSD 880-64494/2-A
Matrix: Solid
Analysis Batch: 64432

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 64494

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ethylbenzene			0.100	0.08819		mg/Kg		88	70 - 130	6	35
Toluene			0.100	0.08974		mg/Kg		90	70 - 130	4	35
m-Xylene & p-Xylene			0.200	0.1943		mg/Kg		97	70 - 130	13	35
o-Xylene			0.100	0.09133		mg/Kg		91	70 - 130	8	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*

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

Lab Sample ID: MB 880-64404/1-A
Matrix: Solid
Analysis Batch: 64423

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 64404

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND	U	50.0		mg/Kg		10/10/23 15:30	10/11/23 09:15	1
Diesel Range Organics (Over C10-C28)	ND	U	50.0		mg/Kg		10/10/23 15:30	10/11/23 09:15	1
OII Range Organics (Over C28-C36)	ND	U	50.0		mg/Kg		10/10/23 15:30	10/11/23 09:15	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*200*	*S1+*	*70 - 130*	*10/10/23 15:30*	*10/11/23 09:15*	*1*
o-Terphenyl	*196*	*S1+*	*70 - 130*	*10/10/23 15:30*	*10/11/23 09:15*	*1*

Lab Sample ID: LCS 880-64404/2-A
Matrix: Solid
Analysis Batch: 64423

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 64404

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10			1000	922.1		mg/Kg		92	70 - 130
Diesel Range Organics (Over C10-C28)			1000	1019		mg/Kg		102	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*137*	*S1+*	*70 - 130*
o-Terphenyl	*148*	*S1+*	*70 - 130*

Lab Sample ID: LCSD 880-64404/3-A
Matrix: Solid
Analysis Batch: 64423

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 64404

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	997.7		mg/Kg		100	70 - 130	8	20
Diesel Range Organics (Over C10-C28)			1000	1371	*+ *1	mg/Kg		137	70 - 130	29	20

QC Sample Results

Client: CDH Consulting
Project/Site: Jackson B29

Job ID: 880-34291-1
SDG: Loco Hills NM

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

Lab Sample ID: LCSD 880-64404/3-A
Matrix: Solid
Analysis Batch: 64423

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 64404

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	151	S1+	70 - 130
o-Terphenyl	144	S1+	70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-64570/1-A
Matrix: Solid
Analysis Batch: 64697

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND	U	5.00		mg/Kg			10/13/23 14:30	1

Lab Sample ID: LCS 880-64570/2-A
Matrix: Solid
Analysis Batch: 64697

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	231.1		mg/Kg		92	90 - 110		

Lab Sample ID: LCSD 880-64570/3-A
Matrix: Solid
Analysis Batch: 64697

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	240.6		mg/Kg		96	90 - 110	4	20

QC Association Summary

Client: CDH Consulting
Project/Site: Jackson B29

Job ID: 880-34291-1
SDG: Loco Hills NM

GC VOA

Prep Batch: 64332

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-64332/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 64432

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34291-1	SS05N	Total/NA	Solid	8021B	64494
880-34291-2	SS05O	Total/NA	Solid	8021B	64494
880-34291-3	SS05P	Total/NA	Solid	8021B	64494
880-34291-4	SS05Q	Total/NA	Solid	8021B	64494
880-34291-5	SS05R	Total/NA	Solid	8021B	64494
MB 880-64332/5-A	Method Blank	Total/NA	Solid	8021B	64332
MB 880-64494/5-A	Method Blank	Total/NA	Solid	8021B	64494
LCS 880-64494/1-A	Lab Control Sample	Total/NA	Solid	8021B	64494
LCSD 880-64494/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	64494

Prep Batch: 64494

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34291-1	SS05N	Total/NA	Solid	5035	
880-34291-2	SS05O	Total/NA	Solid	5035	
880-34291-3	SS05P	Total/NA	Solid	5035	
880-34291-4	SS05Q	Total/NA	Solid	5035	
880-34291-5	SS05R	Total/NA	Solid	5035	
MB 880-64494/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-64494/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-64494/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 64599

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34291-1	SS05N	Total/NA	Solid	Total BTEX	
880-34291-2	SS05O	Total/NA	Solid	Total BTEX	
880-34291-3	SS05P	Total/NA	Solid	Total BTEX	
880-34291-4	SS05Q	Total/NA	Solid	Total BTEX	
880-34291-5	SS05R	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 64404

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34291-1	SS05N	Total/NA	Solid	8015NM Prep	
880-34291-2	SS05O	Total/NA	Solid	8015NM Prep	
880-34291-3	SS05P	Total/NA	Solid	8015NM Prep	
880-34291-4	SS05Q	Total/NA	Solid	8015NM Prep	
880-34291-5	SS05R	Total/NA	Solid	8015NM Prep	
MB 880-64404/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-64404/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-64404/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 64423

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34291-1	SS05N	Total/NA	Solid	8015B NM	64404
880-34291-2	SS05O	Total/NA	Solid	8015B NM	64404
880-34291-3	SS05P	Total/NA	Solid	8015B NM	64404

QC Association Summary

Client: CDH Consulting
Project/Site: Jackson B29

Job ID: 880-34291-1
SDG: Loco Hills NM

GC Semi VOA (Continued)

Analysis Batch: 64423 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34291-4	SS05Q	Total/NA	Solid	8015B NM	64404
880-34291-5	SS05R	Total/NA	Solid	8015B NM	64404
MB 880-64404/1-A	Method Blank	Total/NA	Solid	8015B NM	64404
LCS 880-64404/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	64404
LCSD 880-64404/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	64404

Analysis Batch: 64527

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34291-1	SS05N	Total/NA	Solid	8015 NM	
880-34291-2	SS05O	Total/NA	Solid	8015 NM	
880-34291-3	SS05P	Total/NA	Solid	8015 NM	
880-34291-4	SS05Q	Total/NA	Solid	8015 NM	
880-34291-5	SS05R	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 64570

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34291-1	SS05N	Soluble	Solid	DI Leach	
880-34291-2	SS05O	Soluble	Solid	DI Leach	
880-34291-3	SS05P	Soluble	Solid	DI Leach	
880-34291-4	SS05Q	Soluble	Solid	DI Leach	
880-34291-5	SS05R	Soluble	Solid	DI Leach	
MB 880-64570/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-64570/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-64570/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 64697

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34291-1	SS05N	Soluble	Solid	300.0	64570
880-34291-2	SS05O	Soluble	Solid	300.0	64570
880-34291-3	SS05P	Soluble	Solid	300.0	64570
880-34291-4	SS05Q	Soluble	Solid	300.0	64570
880-34291-5	SS05R	Soluble	Solid	300.0	64570
MB 880-64570/1-A	Method Blank	Soluble	Solid	300.0	64570
LCS 880-64570/2-A	Lab Control Sample	Soluble	Solid	300.0	64570
LCSD 880-64570/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	64570

Lab Chronicle

Client: CDH Consulting
Project/Site: Jackson B29

Job ID: 880-34291-1
SDG: Loco Hills NM

Client Sample ID: SS05N
Date Collected: 10/10/23 09:24
Date Received: 10/11/23 10:25

Lab Sample ID: 880-34291-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	64494	10/11/23 13:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	64432	10/12/23 01:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			64599	10/12/23 01:00	SM	EET MID
Total/NA	Analysis	8015 NM		1			64527	10/11/23 15:50	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	64404	10/11/23 12:36	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	64423	10/11/23 15:50	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	64570	10/12/23 14:16	AG	EET MID
Soluble	Analysis	300.0		50	50 mL	50 mL	64697	10/13/23 16:11	CH	EET MID

Client Sample ID: SS05O
Date Collected: 10/10/23 09:56
Date Received: 10/11/23 10:25

Lab Sample ID: 880-34291-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	64494	10/11/23 13:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	64432	10/12/23 01:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			64599	10/12/23 01:20	SM	EET MID
Total/NA	Analysis	8015 NM		1			64527	10/11/23 16:13	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	64404	10/11/23 12:36	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	64423	10/11/23 16:13	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	64570	10/12/23 14:16	AG	EET MID
Soluble	Analysis	300.0		50	50 mL	50 mL	64697	10/13/23 16:16	CH	EET MID

Client Sample ID: SS05P
Date Collected: 10/10/23 10:22
Date Received: 10/11/23 10:25

Lab Sample ID: 880-34291-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	64494	10/11/23 13:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	64432	10/12/23 05:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			64599	10/12/23 05:33	SM	EET MID
Total/NA	Analysis	8015 NM		1			64527	10/11/23 16:57	SM	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	64404	10/11/23 12:36	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	64423	10/11/23 16:57	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	64570	10/12/23 14:16	AG	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	64697	10/13/23 16:31	CH	EET MID

Client Sample ID: SS05Q
Date Collected: 10/10/23 10:00
Date Received: 10/11/23 10:25

Lab Sample ID: 880-34291-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	64494	10/11/23 13:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	64432	10/12/23 05:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			64599	10/12/23 05:53	SM	EET MID

Lab Chronicle

Client: CDH Consulting
Project/Site: Jackson B29

Job ID: 880-34291-1
SDG: Loco Hills NM

Client Sample ID: SS05Q

Date Collected: 10/10/23 10:00
Date Received: 10/11/23 10:25

Lab Sample ID: 880-34291-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			64527	10/11/23 17:19	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	64404	10/11/23 12:36	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	64423	10/11/23 17:19	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	64570	10/12/23 14:16	AG	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	64697	10/13/23 16:36	CH	EET MID

Client Sample ID: SS05R

Date Collected: 10/10/23 11:18
Date Received: 10/11/23 10:25

Lab Sample ID: 880-34291-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	64494	10/11/23 15:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	64432	10/12/23 06:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			64599	10/12/23 06:14	SM	EET MID
Total/NA	Analysis	8015 NM		1			64527	10/11/23 17:41	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	64404	10/11/23 12:36	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	64423	10/11/23 17:41	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	64570	10/12/23 14:16	AG	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	64697	10/13/23 16:42	CH	EET MID

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 B29

Job ID: 880-34291-1
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	T104704400-23-26	06-30-24

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

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: CDH Consulting
Project/Site: Jackson B29

Job ID: 880-34291-1
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 B29

Job ID: 880-34291-1
SDG: Loco Hills NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-34291-1	SS05N	Solid	10/10/23 09:24	10/11/23 10:25	30
880-34291-2	SS05O	Solid	10/10/23 09:56	10/11/23 10:25	35
880-34291-3	SS05P	Solid	10/10/23 10:22	10/11/23 10:25	40
880-34291-4	SS05Q	Solid	10/10/23 10:00	10/11/23 10:25	45
880-34291-5	SS05R	Solid	10/10/23 11:18	10/11/23 10:25	50

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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

880-34291 Chain of Custody

Project Manager	Katherine Kahn	Bill to (if different)	
Company Name	CDH Consulting	Company Name	
Address	9446 Clermont St	Address	
City, State ZIP	Thornton, CO 80229	City, State ZIP	
Phone	303 319 9604	Email	Kkahn@CDHConsulting.CDHconsulting.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 B29	Turn Around	☐ Routine ☐ Rush
Project Number			
Project Location	Loco Hills NM	Due Date	
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	IR8
Cooler Custody Seals	Yes No (N/A)	Correction Factor	+.20
Sample Custody Seals	Yes No (N/A)	Temperature Reading	5.7
Total Containers		Corrected Temperature	5.9

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: BTEX	TPH 8015	Chloride	Sample Comments
SS05N	Soil	10/10/23	0924	30	Grab	1		x	x	x	
SS05O			09:56	35							
SS05P			10:22	40							
SS05Q			10	45							
SS05R			11:18	50							

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			10/11/23 1025	2		
3				4		
5				6		

Revised Date: 08/25/2020 Rev 2020.2

Login Sample Receipt Checklist

Client: CDH Consulting

Job Number: 880-34291-1
SDG Number: Loco Hills NM

Login Number: 34291
List Number: 1
Creator: Rodriguez, Leticia

List Source: Eurofins Midland

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

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QUESTIONS

Action 382397

QUESTIONS

Operator: MR NM Operating LLC 5950 Berkshire Lane Dallas, TX 75225	OGRID: 330506
	Action Number: 382397
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2235556172**
Incident Name	**NAPP2235556172 JACKSON B #029Y @ 30-015-21473**
Incident Type	**Produced Water Release**
Incident Status	**Remediation Plan 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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QUESTIONS (continued)

Operator: MR NM Operating LLC 5950 Berkshire Lane Dallas, TX 75225	OGRID: 330506
	Action Number: 382397
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	**No, according to supplied volumes this does not appear to be a "gas only" report.**
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	**No**
Reasons why this would be considered a submission for a notification of a major release	*Unavailable.*
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response	
The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.	
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	*Not answered.*
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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QUESTIONS (continued)

Operator: MR NM Operating LLC 5950 Berkshire Lane Dallas, TX 75225	OGRID: 330506
	Action Number: 382397
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

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: 382397
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Remediation Plan (continued)	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
(Select all answers below that apply.)	
(Ex Situ) Excavation and **off-site** disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for **off-site** disposal	R360 ARTESIA LLC LANDFARM [fEEM0112340644]
OR which OCD approved well (API) will be used for **off-site** disposal	*Not answered.*
OR is the **off-site** disposal site, to be used, out-of-state	*Not answered.*
OR is the **off-site** disposal site, to be used, an NMED facility	*Not answered.*
(Ex Situ) Excavation and **on-site** remediation (i.e. On-Site Land Farms)	*Not answered.*
(In Situ) Soil Vapor Extraction	*Not answered.*
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	*Not answered.*
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	*Not answered.*
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	*Not answered.*
Ground Water Abatement pursuant to 19.15.30 NMAC	*Not answered.*
OTHER (Non-listed remedial process)	*Not answered.*
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed 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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QUESTIONS (continued)

Operator: MR NM Operating LLC 5950 Berkshire Lane Dallas, TX 75225	OGRID: 330506
	Action Number: 382397
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS (continued)

Operator: MR NM Operating LLC 5950 Berkshire Lane Dallas, TX 75225	OGRID: 330506
	Action Number: 382397
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	*{Unavailable.}*

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	No

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CONDITIONS

Action 382397

CONDITIONS

Operator:	OGRID:
MR NM Operating LLC 5950 Berkshire Lane Dallas, TX 75225	330506
	Action Number: 382397
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

CONDITIONS

Created By	Condition	Condition Date
scott.rodgers	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.	10/2/2024