

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

## **REMEDIATION CLOSURE REPORT**

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

#### **Prepared For**

MR NM Operating, LLC Dallas, Texas

#### **Prepared By**

CDH Consulting, LLC Thornton, Colorado

720.431.7468 / www.CDHConsult.com



March 17, 2025

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

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

Scott Rogers,

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

#### **SITE INFORMATION**

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

On September 29, 2022, a release of approximately 18 barrels (bbls) of produced water was discovered coming up the  $4-\frac{1}{2}$ " 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 in Figure 2.

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

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

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

The top 4 feet of soil will be defined and reclaimed per NMAC 19.15.29.13.D.(1)

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

#### SITE CHARACTERIZATION

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



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

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

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

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

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



#### **REMEDIATION ACTIVITIES**

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

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

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

The confirmation samples were placed into laboratory-supplied 4-ounce glass jars and sealed headspace, labeled, stored in a cooler on ice, and submitted to Eurofins of Carlsbad, New Mexico, under standard chain-of-custody protocol for laboratory analysis of benzene, toluene, ethylbenzene, and total xylenes (BTEX) per Environmental Protection Agency (EPA) Method 8021B, total petroleum hydrocarbons (TPH) per EPA Method 8015, and chloride per EPA Method 300.0.

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



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

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

On February 22, 2025, CDH personnel collected composite sample Backfill at the nearby Water Disposal Flowline Release (Incident #nAPP2322554757). The backfill material used at this location was sourced from the same pit as backfill material used at the Jackson B #029Y (Incident #nAPP2235556172). The composite sample aliquots were collected via hand auger from the area located off-pad/off-road. The composite backfill sample consisted of three aliquots collected from the topsoil interval (0-1-foot bgs) and two aliquots collected from the backfill material (1-4 feet bgs). The sample was placed into laboratory-supplied 4-ounce glass jars, sealed headspace free, labeled, stored in a cooler on ice, and submitted to Eurofins of Carlsbad, New Mexico, under standard chain-of-custody protocol for laboratory analysis of BTEX per EPA Method 8021B, TPH per EPA Method 8015, and chloride per EPA Method 300.0. On February 26, 2025, CDH received the analytical results which indicated the composite backfill sample was below the laboratory reporting limits for benzene, BTEX, and TPH; however, chloride (1,200 mg/kg) exceeded the Reclamation Standard (600 mg/kg).

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

On March 4, 2025, CDH personnel collected composite sample "Backfill" from within the backfill material (1-4 feet bgs) at a depth of 2.5-3.0 feet bgs. The composite sample was placed into laboratory-supplied 4-ounce glass jars, sealed headspace free, labeled, stored in a cooler on ice, and submitted to Eurofins of Carlsbad, New Mexico, under standard chain-of-custody protocol for laboratory analysis of BTEX per EPA Method 8021B, TPH per EPA Method 8015, and chloride per EPA Method 300.0. Laboratory analytical results indicated the composite backfill sample was below the laboratory reporting limits for benzene, BTEX, and TPH and the chloride concentration (160 mg/kg) was below the Reclamation Standard (600 mg/kg). Laboratory analytical reports are included in Attachment D and summarized in Table 2.

#### **REMEDIATION CLOSURE REQUEST**

As MR NM has removed chloride impacted soil per the OCD-approved Site Characterization & Remediation Plan and in accordance with 19.15.29 NMAC, CDH on behalf of MR NM, respectfully requests the OCD assign Remediation Closure to Incident #nAPP2235556172.



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

Kind Regards,

**CDH CONSULTING, LLC** 

a -

Michael A. Wicker, P.G. Senior Geologist

Devin &

Devin Girtin, P.G., PMP Program Manager

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

## **F**IGURES



•



#### Page 10 of 277



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

CONSULTING			SS12 - 0.5 ft Date: 8/14/2023 Chloride: 90.8	SS09 - 0.5 ft Date: 2/14/2023	SS05 - 0.5 Date: 1/16/20 Chloride: <b>14,2</b>	23 Date: 10/10/2023
SS06 - 0.5 ft Date: 1/16/2023 Chloride: <b>3,200</b>		SS11 - 0.5 ft Date: 8/14/2023 Chloride: <b>764</b>	0	Chloride: <b>1,120</b> SS09A - 2.0 ft Date: 2/14/2023 Chloride: 536	SS05A - 2.0 Date: 1/16/20 Chloride: <b>11,8</b>	23 Date: 10/10/2023 00 Chloride: <b>28,900</b>
SS06A - 2.0 ft Date: 1/16/2023 Chloride: <b>2,610</b>			0	Children 330	Chloride: 21,8	23 Date: 10/10/2023 00 Chloride: 13,800
SS06J - 10.0 ft Date: 2/14/2023 Chloride: <b>27,400</b>	SS10 - 0.5 ft Date: 2/14/2023 Chloride: 28.7	•				23 Date: 10/10/2023 00 Chloride: 18,300
SS06K - 15.0 ft Date: 2/14/2023 Chloride: <b>23,300</b>	25 (An)		• • • • • • •		Date: 8/14/20 Chloride: <b>28,5</b> SS05M - 25.0	23 Date: 10/10/2023 00 Chloride: 7,120
SS06L - 20.0 ft Date: 8/14/2023 Chloride: 13,400					Date: 8/14/20 Chloride: <b>31,3</b>	23
SS04 - 0.5 ft Date: 1/16/202 Chloride: <b>682</b>	Date: 1/16/2023	5501 - 0.5 ft			SS08 - 0.5 ft Date: 1/16/2023 Chloride: 118	
SS04A - 2.0 ft Date: 1/16/202 Chloride: 172	3 SS03A - 2.0 tt Date: 1/16/2023 Chloride: <b>19,100</b>	Date: 1/16/2023 Chloride: <b>958</b> SS01A - 2.0 ft Date: 1/16/2023	SS02 - 0.5 ft Date: 1/16/202	SS07 - 0.5 ft Date: 1/16/2023 Chloride: <b>1,190</b>	SS08A - 2.0 ft Date: 1/16/2023 Chloride: 268	
		Chloride: 337	Chloride: 339 SS02A - 2.0 ft Date: 1/16/202 Chloride: 204	SS07A - 2.0 ft Date: 1/16/2023 Chloride: 557		
	Fi	i <b>gure 3 - Sc</b> Jackson	b <b>il Sample</b> B 029Y Wel			Scale: 1:1,400
	<ul> <li>Surface Hole Loca</li> <li>Soil Sample</li> </ul>			Notes: All results reported in milli per kilogram (mg/kg)		50 100 150 Feet 10 20 30 40 50
Released to Imaging: 6/16/202.	Site location: T17S R30E Se	c 1, Eddy County, New N	VIexico	Map Created	: 12/19/2023 0	10 20 00 10 00



# TABLES



.

### TABLE 1 SOIL ANALYTICAL RESULTS JACKSON B 029Y WELLHEAD EDDY COUNTY, NEW MEXICO MR NM OPPERATING, LLC

Sample ID	Date Sampled	Depth (ft bgs)	Chlorides (mg/kg)	TPH <sup>(3)</sup> 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) <sup>(1)</sup>	0-4	600	100	NA	NA	NA	50	10
NMOCD Table I Soil	Standard (mg/kg) <sup>(2)</sup>	>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



### 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 <sup>(3)</sup> 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) <sup>(1)</sup>	0-4	600	100	NA	NA	NA	50	10
NMOCD Table I Soil	Standard (mg/kg) <sup>(2)</sup>	>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



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

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

Notes:

1. Reclamation standard for the top 4 feet of soil per 19.15.29.13(D)(1) NMAC, Table I, Depth to ground water 0-50 ft

2. Closure criteria for soil deeper than 4 feet per 19.15.29.12(C)(4) NMAC, Table I, Depth to ground water >100 ft

3. TPH - total volatile and extractable hydrocarbons. Value calculated by adding GRO, DRO and MRO concentrations

Yellow highlight = soil represented by soil sample has been excavated and removed for offsite disposal

BOLD = Result above applicable standard

NMOCD = New Mexico Oil Conservation Divison

(<) = Analytical result is less than the indicated laboratory reporting limit

GRO = Total petroleum hydrocarbons - gasoline range organics

DRO = Total petroleum hydrocarbons - diesel range organics

MRO = Total petroleum hydrocarbons - motor oil/lube range organics

BTEX = Benzene, toluene, ethlybenzene, and total xylenes

mg/kg = Milligrams per kilogram

bgs = Below ground surface NE = Not established

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

•

## **ATTACHMENT A** OCD Correspondence



District I 1625 N. French Dr., Hobbs, NM 88240 District II 811 S. First St., Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505 State of New Mexico Energy Minerals and Natural Resources Department

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

)

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 <u>32.8613129</u>

-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

Tribal

Surface Owner:	State	Federal	
		$\boxtimes$	

## Nature and Volume of Release

Private (Name: \_\_\_\_\_

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.

Page	2
1 ugo	4

#### Oil Conservation Division

Incident ID	nAPP2235556172
District RP	
Facility ID	
Application ID	

If YES, for what reason(s) does the responsible party consider this a major release?
otice 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

 $\boxtimes$  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:Ben@Cypressn	Date: 12/22/2022         r.com       Telephone: (281) 224-3430	
OCD Only		
Received by:	Date:	

### **Michael Wicker**

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

Good Afternoon Michael,

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

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

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

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

Thank you.

Regards,

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



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

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

Hi Scott,

Hope you're doing well!

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

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

Thank you! Michael

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

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

Thanks Michael

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



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

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

#### Good Morning, Scott,

Chloride impacted soil has been removed in the following areas:

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

Field screening indicated:

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

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

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

•

- FL06@20'
- FL07@20'







#### Note:

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

Thank you, Michael

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

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

Good afternoon Michael,

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

Thanks for keeping us updated with this project, Scott

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



From: Michael Wicker <<u>mwicker@cdhconsult.com</u>> Sent: Tuesday, December 10, 2024 1:39 PM To: Rodgers, Scott, EMNRD <<u>Scott.Rodgers@emnrd.nm.gov</u>>

Subject: [EXTERNAL] RE: The Oil Conservation Division (OCD) has approved the application, Application ID: 382397

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

Hi Scott,

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

Thank you, Michael

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

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

Good Afternoon, Scott,

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

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

Thank you, Michael

Michael A. Wicker, P.G. Senior Geologist CDH Consulting, LLC 616.970.8459 From: Rodgers, Scott, EMNRD <<u>Scott.Rodgers@emnrd.nm.gov</u>>
Sent: Friday, October 11, 2024 1:53 PM
To: Michael Wicker <<u>mwicker@cdhconsult.com</u>>
Subject: RE: [EXTERNAL] RE: The Oil Conservation Division (OCD) has approved the application, Application ID: 382397

Afternoon Michael,

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

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

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

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

Thank you.

Regards,

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



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

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

Hi Scott,

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

Thank you! Michael

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

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

Hey Michael,

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

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

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

Thanks, Scott

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



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

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

Hi Scott,

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

Thank you! Michael

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

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

Hey Michael,

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

Thanks Michael, Scott

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



From: Michael Wicker <<u>mwicker@cdhconsult.com</u>>
Sent: Monday, October 7, 2024 9:47 AM
To: Rodgers, Scott, EMNRD <<u>Scott.Rodgers@emnrd.nm.gov</u>>
Cc: ocdonline, emnrd, EMNRD <<u>emnrd.ocdonline@emnrd.nm.gov</u>>
Subject: [EXTERNAL] RE: The Oil Conservation Division (OCD) has approved the application, Application ID: 382397

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

Hi Scott,

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

Thank you! Michael

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

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

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

The OCD has approved the submitted *Application for administrative approval of a release notification and corrective action* (C-141), for incident ID (n#) nAPP2235556172, with the following conditions:

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

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

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

Thank you, Scott Rodgers Environmental Specialist - A 505-469-1830 scott.rodgers@emnrd.nm.gov

.

New Mexico Energy, Minerals and Natural Resources Department

1220 South St. Francis Drive Santa Fe, NM 87505

## ATTACHMENT B

Waste Manifest Summary



•

Facility	Manifest Date		Ticket ID	Invoice #	Generator	Ordered By	API #	Well Number	Hauler Name	Product Name	Unit	Quantity	Rig
CRI	45649	HW-672722 7			MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45645	HW-722396 7			MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45645	HW-722397 7			MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	 29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45645	HW-724374 7			MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45645	HW-721134 7			MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	29Y	DJJ TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45645	HW-721549 7			MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	29Y	2S TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45645	HW-721514 7			MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45645	HW-721552 7			MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	29Y	2S TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45645	HW-723054 7			MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45645	HW-720635 7			MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45645	HW-724375 7			MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	29Y 29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45645 45645	HW-721703 7 HW-721951 7			MR NM Operating MR NM Operating	CHANCE SCARBOROUGH CHANCE SCARBOROUGH	30-015-21473 30-015-21473	29Y 29Y	GOLD SPEED TRUCKING LLC GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt) Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING NON-DRILLING
	45645							29Y 29Y		· · · · · · · · · · · · · · · · · · ·	yards		
CRI CRI	45642	HW-723036 7 HW-723530 7			MR NM Operating MR NM Operating	CHANCE SCARBOROUGH CHANCE SCARBOROUGH	30-015-21473 30-015-21473	29Y 29Y	2S TRUCKING LLC 2S TRUCKING LLC	Contaminated Soil (RCRA Exempt) Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING NON-DRILLING
CRI	45642	HW-723530 7 HW-723531 7			MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	29Y 29Y	2S TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards yards	20	NON-DRILLING
CRI	45642	HW-723531 7			MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	291 29Y	2S TRUCKING LLC	Contaminated Soil (RCRA Exempt)		20	NON-DRILLING
CRI	45642	HW-723532 7			MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	291 29Y	25 TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	12	NON-DRILLING
CRI	45642	HW-723037 7				CHANCE SCARBOROUGH	30-015-21473	-		· · · · · · · · · · · · · · · · · · ·	yards		
CRI	45642	HW-723037 7			MR NM Operating MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	29Y 29Y	2S TRUCKING LLC 2S TRUCKING LLC	Contaminated Soil (RCRA Exempt) Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING NON-DRILLING
CRI	45642	HW-723038 7 HW-724373 7				CHANCE SCARBOROUGH	30-015-21473	 29Y 29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45642	HW-724373 7			MR NM Operating MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	291 29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards yards	20	NON-DRILLING
CRI	45642					CHANCE SCARBOROUGH	30-015-21473	291 29Y	2S TRUCKING LLC	· · · · · · · · · · · · · · · · · · ·	· ·	12	NON-DRILLING
CRI	45642	HW-721916 7			MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	291 29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45642	HW-721950 7 HW-721457 7			MR NM Operating MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	291 29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt) Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45642	HW-721457 7 HW-723016 7			MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	29Y 29Y	GOLD SPEED TRUCKING LLC		yards	20	
CRI	45642	HW-721917 7			MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	291 29Y	2S TRUCKING LLC	Contaminated Soil (RCRA Exempt) Contaminated Soil (RCRA Exempt)	yards yards	12	NON-DRILLING NON-DRILLING
CRI	45642	HW-721917 7 HW-721515 7				CHANCE SCARBOROUGH	30-015-21473	291 29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)		20	NON-DRILLING
CRI	45642	HW-721313 7 HW-724372 7			MR NM Operating MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	291 29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45642	HW-723019 7			MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	29Y 29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt) Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45642	HW-721456 7			MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	291 29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards yards	12	NON-DRILLING
CRI	45642	HW-721949 7			MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45642	HW-721343 7 HW-724371 7			MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	291 29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45642	HW-721702 7				CHANCE SCARBOROUGH	30-015-21473	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45642	HW-722825 7			MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	291	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	vards	20	NON-DRILLING
CRI	45642	HW-721455 7				CHANCE SCARBOROUGH	30-015-21473	291 29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45642	HW-716575 7			MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45639	HW-721704 7			MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45639	HW-722824 7			MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	291	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45639	HW-724022 7				CHANCE SCARBOROUGH	30-015-21473	 29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45639	HW-721913 7				CHANCE SCARBOROUGH	30-015-21473	291	2S TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	12	NON-DRILLING
CRI	45639	HW-722139 7			· · ·	CHANCE SCARBOROUGH	30-015-21473	29Y	LAND START LLC	Contaminated Soil (RCRA Exempt)	yards	12	NON-DRILLING
CRI	45639	HW-721948 7			MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45639	HW-721948 7				CHANCE SCARBOROUGH	30-015-21473	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45639	HW-722210 7				CHANCE SCARBOROUGH	30-015-21473	29Y	2S TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	12	NON-DRILLING
CRI	45639	HW-722264 7				CHANCE SCARBOROUGH	30-015-21473	291	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45639	HW-722245 7				CHANCE SCARBOROUGH	30-015-21473	 29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45639	HW-722140 7				CHANCE SCARBOROUGH	30-015-21473	29Y	LAND START LLC	Contaminated Soil (RCRA Exempt)	yards	12	NON-DRILLING
CRI	45639	HW-721947 7			MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45639	HW-724405 7			1 0	CHANCE SCARBOROUGH	30-015-21473	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45639	HW-722266 7				CHANCE SCARBOROUGH	30-015-21473	291	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	vards	20	NON-DRILLING
CRI	45639	HW-721912 7			MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	29Y	2S TRUCKING LLC	Contaminated Soil (RCRA Exempt)	vards	12	NON-DRILLING
CRI	45639	HW-721998 7				CHANCE SCARBOROUGH	30-015-21473	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45639	HW-721946 7				CHANCE SCARBOROUGH	30-015-21473	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45639	HW-722138 7			MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	29Y	LAND START LLC	Contaminated Soil (RCRA Exempt)	yards	12	NON-DRILLING
CRI	45639	HW-724018 7			MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	291	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	vards	20	NON-DRILLING
CRI	45639	HW-722209 7			MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	29Y	2S TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	12	NON-DRILLING
CRI	45639	HW-722265 7				CHANCE SCARBOROUGH	30-015-21473	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	vards	20	NON-DRILLING
CRI	45639	HW-722244 7			MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45639	HW-722137 7			MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	291	LAND START LLC	Contaminated Soil (RCRA Exempt)	yards	12	NON-DRILLING
CRI	45639	HW-722137 7				CHANCE SCARBOROUGH	30-015-21473	291	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45638	HW-722213 7				CHANCE SCARBOROUGH	30-015-21473	291	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45638	HW-722252 7				CHANCE SCARBOROUGH	30-015-21473	29Y	2S TRUCKING LLC	Contaminated Soil (RCRA Exempt)	vards	12	NON-DRILLING
0.01				3232700	operating	2		 201	Lo moonino Leo	indice son (non- Excilipt)	10100		

•

Facility	Manifest Dat	e Manifest #	Ticket ID	Invoice #	Generator	Ordered By	API #	Well Name	Well Number	Hauler Name	Product Name	Unit	Quantity	Rig
CRI	45638	HW-724404	700-1660577	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45638	HW-722215	700-1660576	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45638	HW-724019	700-1660574	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45638	HW-722136	700-1660571	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	LAND START LLC	Contaminated Soil (RCRA Exempt)	yards	12	NON-DRILLING
CRI	45638		700-1660549		MR NM Operating	CHANCE SCARBOROUGH	30-015-21473		29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45638	HW-722253	700-1660487	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	2S TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	12	NON-DRILLING
CRI	45638		700-1660484		MR NM Operating	CHANCE SCARBOROUGH	30-015-21473		29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45638	HW-722212	700-1660473	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45638		700-1660472		MR NM Operating	CHANCE SCARBOROUGH	30-015-21473		29Y	LAND START LLC	Contaminated Soil (RCRA Exempt)	yards	12	NON-DRILLING
CRI	45638		700-1660470		MR NM Operating	CHANCE SCARBOROUGH	30-015-21473		29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45638		700-1660468		MR NM Operating	CHANCE SCARBOROUGH	30-015-21473		29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45638		700-1660402		MR NM Operating	CHANCE SCARBOROUGH	30-015-21473		29Y	2S TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	12	NON-DRILLING
CRI	45638		700-1660383		MR NM Operating	CHANCE SCARBOROUGH	30-015-21473		29Y	LAND START LLC	Contaminated Soil (RCRA Exempt)	yards	12	NON-DRILLING
CRI	45638		700-1660373		MR NM Operating	CHANCE SCARBOROUGH	30-015-21473		29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45638		700-1660371		MR NM Operating	CHANCE SCARBOROUGH	30-015-21473		29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45638		700-1660372		MR NM Operating	CHANCE SCARBOROUGH	30-015-21473		29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45638		700-1660370		MR NM Operating	CHANCE SCARBOROUGH	30-015-21473		29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45638		700-1660359		MR NM Operating	CHANCE SCARBOROUGH	30-015-21473		29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45638		700-1660297		MR NM Operating	CHANCE SCARBOROUGH	30-015-21473		29Y	LAND START LLC	Contaminated Soil (RCRA Exempt)	yards	12	NON-DRILLING
CRI	45638		700-1660289		MR NM Operating	CHANCE SCARBOROUGH	30-015-21473		29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45638		700-1660287		MR NM Operating	CHANCE SCARBOROUGH	30-015-21473		29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI CRI	45638		700-1660285		MR NM Operating	CHANCE SCARBOROUGH	30-015-21473		29Y 29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45638		700-1660283		MR NM Operating	CHANCE SCARBOROUGH	30-015-21473		-	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45637 45637		700-1660226		MR NM Operating MR NM Operating	CHANCE SCARBOROUGH	30-015-21473 30-015-21473		29Y 29Y	LAND START LLC GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt) Contaminated Soil (RCRA Exempt)	yards yards	12 20	NON-DRILLING NON-DRILLING
CRI	45637		700-1660220		MR NM Operating	CHANCE SCARBOROUGH	30-015-21473		29Y 29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt) Contaminated Soil (RCRA Exempt)	yards yards	20	NON-DRILLING
CRI	45637		700-1660052		MR NM Operating	CHANCE SCARBOROUGH	30-015-21473		291 29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45637		700-1660052		MR NM Operating	CHANCE SCARBOROUGH	30-015-21473		291 29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45637		700-1660024		MR NM Operating	CHANCE SCARBOROUGH	30-015-21473		29Y	GOLD SPEED TRUCKING LLC	Contaminated Soli (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45637		700-1659996		MR NM Operating	CHANCE SCARBOROUGH	30-015-21473		29Y	2S TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	12	NON-DRILLING
CRI	45637		700-1659935		MR NM Operating	CHANCE SCARBOROUGH	30-015-21473		29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45637		700-1659928		MR NM Operating	CHANCE SCARBOROUGH	30-015-21473		29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45637		700-1659927		MR NM Operating	CHANCE SCARBOROUGH	30-015-21473		29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45637		700-1659926		MR NM Operating	CHANCE SCARBOROUGH	30-015-21473		29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45637		700-1659924		MR NM Operating	CHANCE SCARBOROUGH	30-015-21473		29Y	LAND START LLC	Contaminated Soil (RCRA Exempt)	yards	12	NON-DRILLING
CRI	45637		700-1659906		MR NM Operating	CHANCE SCARBOROUGH	30-015-21473		29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45637	HW-724148	700-1659828	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	2S TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	12	NON-DRILLING
CRI	45637	HW-724026	700-1659824	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45637	HW-722053	700-1659823	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45637	HW-722046	700-1659822	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45637	HW-724172	700-1659820	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	LAND START LLC	Contaminated Soil (RCRA Exempt)	yards	12	NON-DRILLING
CRI	45637	HW-724025	700-1659821	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45637	HW-724014	700-1659817	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45637	HW-724149	700-1659701	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	2S TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	12	NON-DRILLING
CRI	45637		700-1659685		MR NM Operating	CHANCE SCARBOROUGH	30-015-21473		29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45637		700-1659682		MR NM Operating	CHANCE SCARBOROUGH	30-015-21473		29Y	LAND START LLC	Contaminated Soil (RCRA Exempt)	yards	12	NON-DRILLING
CRI	45637		700-1659678		MR NM Operating	CHANCE SCARBOROUGH	30-015-21473		29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45637		700-1659675		MR NM Operating	CHANCE SCARBOROUGH	30-015-21473		29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45637		700-1659674		MR NM Operating	CHANCE SCARBOROUGH	30-015-21473		29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45637		700-1659669		MR NM Operating	CHANCE SCARBOROUGH	30-015-21473		29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45636		700-1659387		MR NM Operating	CHANCE SCARBOROUGH	30-015-21473		29Y	2S TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	12	NON-DRILLING
CRI	45636		700-1659386		MR NM Operating	CHANCE SCARBOROUGH	30-015-21473		29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45636		700-1659385		MR NM Operating	CHANCE SCARBOROUGH	30-015-21473		29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45636	1319-4	700-1659377		MR NM Operating	CHANCE SCARBOROUGH	30-015-21473		29Y	LAND START LLC	Contaminated Soil (RCRA Exempt)	yards	12	NON-DRILLING
CRI	45636		700-1659376		MR NM Operating	CHANCE SCARBOROUGH	30-015-21473		29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45636		700-1659339		MR NM Operating	CHANCE SCARBOROUGH	30-015-21473		29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45636		700-1659336		MR NM Operating	CHANCE SCARBOROUGH	30-015-21473		29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45636		700-1659257		MR NM Operating	CHANCE SCARBOROUGH	30-015-21473		29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45636		700-1659256		MR NM Operating	CHANCE SCARBOROUGH	30-015-21473		29Y	2S TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	12	NON-DRILLING
CRI	45636		700-1659253		MR NM Operating	CHANCE SCARBOROUGH	30-015-21473		29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45636	1319-3	700-1659250		MR NM Operating	CHANCE SCARBOROUGH	30-015-21473		29Y	LAND START LLC	Contaminated Soil (RCRA Exempt)	yards	12	NON-DRILLING
CRI	45636		700-1659249		MR NM Operating	CHANCE SCARBOROUGH	30-015-21473		29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45636	HW-721408	700-1659242	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
Facility	Manifest Date	Manifest #	Ticket ID	Invoice #	Generator	Ordered By	API #	Well Name	Well Number	Hauler Name	Product Name	Unit	Quantity	Rig
----------	---------------	------------	-------------	-----------	-----------------	--------------------	--------------	-----------	-------------	-------------------------	---------------------------------	-------	----------	--------------
CRI	45636	HW-722757	700-1659239	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45636	HW-722782	700-1659161	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45636	HW-721407	700-1659156	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45636	HW-721404	700-1659155	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45636	1319-2	700-1659154	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	LAND START LLC	Contaminated Soil (RCRA Exempt)	yards	12	NON-DRILLING
CRI	45636	HW-722747	700-1659077	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45636	HW-722674	700-1659074	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45636	HW-722716	700-1659072	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	12	NON-DRILLING
CRI	45636	1319	700-1659073	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	BDS ENTERPRISES LLC	Contaminated Soil (RCRA Exempt)	yards	12	NON-DRILLING
CRI	45635	HW-722677	700-1658837	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45635	HW-722756	700-1658836	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45635	HW-722748	700-1658835	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45635	HW-722715	700-1658832	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45635	HW-722744	700-1658759	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45635	HW-722745	700-1658758	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45635	HW-722717	700-1658754	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45635	HW-722673	700-1658753	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45635	HW-722606	700-1658652	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45635	HW-722605	700-1658651	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45635	HW-722604	700-1658650	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
CRI	45635	HW-722603	700-1658649	C292706	MR NM Operating	CHANCE SCARBOROUGH	30-015-21473	JACKSON B	29Y	GOLD SPEED TRUCKING LLC	Contaminated Soil (RCRA Exempt)	yards	20	NON-DRILLING
													2,676	

# **ATTACHMENT C** Photographic Log





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



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





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



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





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



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





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



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





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



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



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



Photo 11: Backfill overview, facing northwest of southern portion



Photo 12: Backfill overview, facing north of southern portion



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



Photo 13: Backfill overview, facing south of former excavation



Photo 14: Backfill overview, facing south of former excavation



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



Photo 15: Backfill overview, facing north of former excavation



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



# **ATTACHMENT D**

Laboratory Analytical Reports



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



**Environment Testing** 

# **ANALYTICAL REPORT**

# PREPARED FOR

Attn: Michael Wicker CDH Consulting 9446 Clermont St, Thornton, Colorado 80229 Generated 12/11/2024 5:30:11 PM Revision 1

JOB DESCRIPTION

Jackson B29Y

# **JOB NUMBER**

890-7453-1

Eurofins Carlsbad 1089 N Canal St. Carlsbad NM 88220

See page two for job notes and contact information

# **Eurofins Carlsbad**

# Job Notes

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

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

# Authorization

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

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

Eurofins Carlsbad is a laboratory within Eurofins Environment Testing South Central, LLC, a company within Eurofins Environment Testing Group of Companies

Laboratory Job ID: 890-7453-1

2

# **Table of Contents**

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Client Sample Results	6
Surrogate Summary	12
QC Sample Results	13
QC Association Summary	17
Lab Chronicle	20
Certification Summary	23
Method Summary	24
Sample Summary	25
Chain of Custody	26
Receipt Checklists	27

Page 51 of 277

	Definitions/Glossary		
Client: CDH C		Job ID: 890-7453-1	
	Jackson B29Y		
Qualifiers			3
GC VOA			
Qualifier	Qualifier Description		
*+	LCS and/or LCSD is outside acceptance limits, high biased.		
*1	LCS/LCSD RPD exceeds control limits.		
U	Indicates the analyte was analyzed for but not detected.		
GC Semi VO	A		
Qualifier	Qualifier Description		
U	Indicates the analyte was analyzed for but not detected.		
HPLC/IC			
Qualifier	Qualifier Description		
U	Indicates the analyte was analyzed for but not detected.		
Glossary			
Abbreviation	These commonly used abbreviations may or may not be present in this report.		
¢	Listed under the "D" column to designate that the result is reported on a dry weight basis		
%R	Percent Recovery		
CFL	Contains Free Liquid		
CFU	Colony Forming Unit		
CNF	Contains No Free Liquid		
DER	Duplicate Error Ratio (normalized absolute difference)		1
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 MCL	Limit of Quantitation (DoD/DOE) EPA recommended "Maximum Contaminant Level"		
MDA	Minimum Detectable Activity (Radiochemistry)		
MDC	Minimum Detectable Activity (Nadiochemistry) 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)		
TNITO			

TNTC Too Numerous To Count

### **Case Narrative**

Page 52 of 277

Job ID: 890-7453-1

#### Client: CDH Consulting Project: Jackson B29Y

#### Job ID: 890-7453-1

#### **Eurofins Carlsbad**

Job Narrative 890-7453-1

#### **REVISION**

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

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

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

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

#### Receipt

The samples were received on 12/10/2024 3:21 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -1.4°C.

#### GC VOA

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

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

#### Diesel Range Organics

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

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

#### HPLC/IC

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

**Client: CDH Consulting** 

Project/Site: Jackson B29Y

Matrix: Solid

Job ID: 890-7453-1

# Lab Sample ID: 890-7453-1

5

Client Sample ID: FL01@1'
Date Collected: 12/10/24 10:02
Date Received: 12/10/24 15:21
Sample Depth: 1

Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00200	U *+ *1	0.00200		mg/Kg		12/11/24 08:23	12/11/24 11:55	
Ethylbenzene	<0.00200	U *+ *1	0.00200		mg/Kg		12/11/24 08:23	12/11/24 11:55	
Toluene	<0.00200	U *+ *1	0.00200		mg/Kg		12/11/24 08:23	12/11/24 11:55	
Xylenes, Total	<0.00401	U *+ *1	0.00401		mg/Kg		12/11/24 08:23	12/11/24 11:55	
m-Xylene & p-Xylene	<0.00401	U *+ *1	0.00401		mg/Kg		12/11/24 08:23	12/11/24 11:55	
o-Xylene	<0.00200	U *+ *1	0.00200		mg/Kg		12/11/24 08:23	12/11/24 11:55	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil F
4-Bromofluorobenzene (Surr)	111		70 - 130				12/11/24 08:23	12/11/24 11:55	
1,4-Difluorobenzene (Surr)	109		70 - 130				12/11/24 08:23	12/11/24 11:55	
Method: TAL SOP Total BTE)									
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil F
Total BTEX	<0.00401	U	0.00401		mg/Kg			12/11/24 11:55	
		<b>.</b>							
Method: SW846 8015 NM - Di		-			11-11	_	<b>D</b>	A	<b>P</b> 1
		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total TPH	<50.0	U	50.0		mg/Kg			12/11/24 11:44	
Method: SW846 8015B NM - I	Diesel Range	• Organics	s (DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil F
Gasoline Range Organics GRO)-C6-C10	<50.0		50.0		mg/Kg		12/11/24 08:24	12/11/24 11:44	
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/11/24 08:24	12/11/24 11:44	
Dil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/11/24 08:24	12/11/24 11:44	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil F
1-Chlorooctane	102		70 - 130				12/11/24 08:24	12/11/24 11:44	
p-Terphenyl	95		70 - 130						
Method: EPA 300.0 - Anions,									
		Qualifier	RL	MDL		D	Prepared	Analyzed	Dil Fa
Analyte			·		117			40/44/04 44 45	
Analyte	Result 329		9.92		mg/Kg			12/11/24 11:12	
Analyte Chloride lient Sample ID: FL02@	329 <b>2'</b>		9.92		mg/Kg		Lab Samp	12/11/24 11:12	′ <b>4</b> 53·
Analyte Chloride lient Sample ID: FL02@ ate Collected: 12/10/24 10:09	329 <b>2'</b>		9.92		mg/Kg 		Lab Samp		
Analyte Chloride lient Sample ID: FL02@ ate Collected: 12/10/24 10:09 ate Received: 12/10/24 15:21	329 <b>2'</b>		9.92		mg/Kg		Lab Samp	le ID: 890-7	
Analyte Chloride lient Sample ID: FL02@ ate Collected: 12/10/24 10:09 ate Received: 12/10/24 15:21	329 <b>2'</b>		9.92		mg/Kg		Lab Samp	le ID: 890-7	
Analyte Chloride lient Sample ID: FL02@ ate Collected: 12/10/24 10:09 ate Received: 12/10/24 15:21 ample Depth: 2 Method: SW846 8021B - Vola	329 2' tile Organic	Compoun	nds (GC)					le ID: 890-7 Matrix	c: Soli
Analyte Chloride lient Sample ID: FL02@ ate Collected: 12/10/24 10:09 ate Received: 12/10/24 15:21 ample Depth: 2 Method: SW846 8021B - Vola Analyte	2' tile Organic Result	Compoun Qualifier	nds (GC) RL	MDL	Unit	<u>D</u>	Prepared	le ID: 890-7 Matrix Analyzed	c: Soli
Analyte Chloride lient Sample ID: FL02@ ate Collected: 12/10/24 10:09 ate Received: 12/10/24 15:21 ample Depth: 2 Method: SW846 8021B - Vola Analyte Benzene	329 2' 5 tile Organic Result <0.00202	Compoun Qualifier U *+ *1	nds (GC) 	MDL	Unit mg/Kg		Prepared 12/11/24 08:23	le ID: 890-7 Matrix <u>Analyzed</u> 12/11/24 12:15	c: Soli
Analyte Chloride lient Sample ID: FL02@ ate Collected: 12/10/24 10:09 ate Received: 12/10/24 15:21 ample Depth: 2 Method: SW846 8021B - Vola Analyte Benzene Ethylbenzene	2' tile Organic Result <0.00202 <0.00202	<b>Compoun</b> <b>Qualifier</b> U *+ *1 U *+ *1	nds (GC) RL 0.00202 0.00202	MDL	Unit mg/Kg mg/Kg		Prepared 12/11/24 08:23 12/11/24 08:23	le ID: 890-7 Matrix Analyzed 12/11/24 12:15 12/11/24 12:15	c: Soli
Analyte Chloride lient Sample ID: FL02@ ate Collected: 12/10/24 10:09 ate Received: 12/10/24 15:21 ample Depth: 2 Method: SW846 8021B - Vola Analyte Benzene Ethylbenzene Toluene	329 2' 5 5 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	Compoun Qualifier U *+ *1 U *+ *1 U *+ *1	nds (GC) RL 0.00202 0.00202 0.00202	 	<mark>Unit</mark> mg/Kg mg/Kg mg/Kg		<b>Prepared</b> 12/11/24 08:23 12/11/24 08:23 12/11/24 08:23	Analyzed 12/11/24 12:15 12/11/24 12:15 12/11/24 12:15	c: Soli
Analyte Chloride lient Sample ID: FL02@ ate Collected: 12/10/24 10:09 ate Received: 12/10/24 15:21 ample Depth: 2 Method: SW846 8021B - Vola Analyte Benzene Ethylbenzene Toluene (ylenes, Total	329 2' 5 5 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	Compoun Qualifier U *+ *1 U *+ *1 U *+ *1 U *+ *1 U *+ *1	nds (GC) RL 0.00202 0.00202 0.00202 0.00403	MDL	Unit mg/Kg mg/Kg mg/Kg mg/Kg		Prepared 12/11/24 08:23 12/11/24 08:23 12/11/24 08:23 12/11/24 08:23	Analyzed 12/11/24 12:15 12/11/24 12:15 12/11/24 12:15 12/11/24 12:15	c: Soli
Analyte Chloride lient Sample ID: FL02@ ate Collected: 12/10/24 10:09	329 2' 5 5 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	Compoun Qualifier U *+ *1 U *+ *1 U *+ *1 U *+ *1 U *+ *1 U *+ *1	nds (GC) RL 0.00202 0.00202 0.00202	MDL	<mark>Unit</mark> mg/Kg mg/Kg mg/Kg		Prepared 12/11/24 08:23 12/11/24 08:23 12/11/24 08:23 12/11/24 08:23 12/11/24 08:23	Analyzed 12/11/24 12:15 12/11/24 12:15 12/11/24 12:15 12/11/24 12:15	

o-Xylene <0.00202 U\*+\*1 0.00202 mg/Kg 12/11/24 08:23 12/11/24 12:15 Surrogate %Recovery Qualifier Limits Prepared Analyzed 4-Bromofluorobenzene (Surr) 113 70 - 130 12/11/24 08:23 12/11/24 12:15

**Eurofins Carlsbad** 

Dil Fac

Client Sample ID: FL02@2'

### **Client Sample Results**

Job ID: 890-7453-1

# Lab Sample ID: 890-7453-2

Matrix: Solid

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

Client: CDH Consulting

Project/Site: Jackson B29Y

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1,4-Difluorobenzene (Surr)	107		70 - 130				12/11/24 08:23	12/11/24 12:15	
Method: TAL SOP Total BTEX	- Total BTE	X Calculat	tion						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			12/11/24 12:15	
Method: SW846 8015 NM - Die	esel Range (	Organics (	DRO) (GC)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/11/24 12:33	
Method: SW846 8015B NM - D	esel Range	• Organics	(DRO) (GC)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/11/24 08:24	12/11/24 12:33	
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/11/24 08:24	12/11/24 12:33	
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/11/24 08:24	12/11/24 12:33	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1-Chlorooctane	95		70 - 130				12/11/24 08:24	12/11/24 12:33	
o-Terphenyl	85		70 - 130				12/11/24 08:24	12/11/24 12:33	
Method: EPA 300.0 - Anions, I	on Chroma	tography -	Soluble						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	666		10.1		mg/Kg			12/11/24 11:28	

# Date Received: 12/10/24 15:21

Method: SW846 8021B - Vo	latile Organic	Compoun	ds (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U *+ *1	0.00199		mg/Kg		12/11/24 08:23	12/11/24 12:36	1
Ethylbenzene	<0.00199	U *+ *1	0.00199		mg/Kg		12/11/24 08:23	12/11/24 12:36	1
Toluene	<0.00199	U *+ *1	0.00199		mg/Kg		12/11/24 08:23	12/11/24 12:36	1
Xylenes, Total	<0.00398	U *+ *1	0.00398		mg/Kg		12/11/24 08:23	12/11/24 12:36	1
m-Xylene & p-Xylene	<0.00398	U *+ *1	0.00398		mg/Kg		12/11/24 08:23	12/11/24 12:36	1
o-Xylene	<0.00199	U *+ *1	0.00199		mg/Kg		12/11/24 08:23	12/11/24 12:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130				12/11/24 08:23	12/11/24 12:36	1
1,4-Difluorobenzene (Surr)	106		70 - 130				12/11/24 08:23	12/11/24 12:36	1

Method: TAL SOP Total BTEX -	Total BTE	X Calculati	on						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/11/24 12:36	1
Method: SW846 8015 NM - Dies Analyte	-	Organics (E Qualifier	DRO) (GC) RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac

49.9

mg/Kg

<49.9 U

Eurofins	Carlsbad

12/11/24 12:48

5

Total TPH

# **Client Sample Results**

**Client: CDH Consulting** Project/Site: Jackson B29Y

#### **Client Sample ID: SW1** Date Collected: 12/10/24 10:13 Date Received: 12/10/24 15:21

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
5 5	<49.9	U	49.9		mg/Kg		12/11/24 08:24	12/11/24 12:48	1
<b>e e (</b>	<49.9	U	49.9		mg/Kg		12/11/24 08:24	12/11/24 12:48	1
,	<49.9	U	49.9		mg/Kg		12/11/24 08:24	12/11/24 12:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130				12/11/24 08:24	12/11/24 12:48	1
o-Terphenyl	91		70 - 130				12/11/24 08:24	12/11/24 12:48	1
Method: EPA 300.0 - Anions,	Ion Chroma	tography -	Soluble						
			RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	405		10.0		mg/Kg			12/11/24 11:33	1
Client Sample ID: SW2							Lah Samn		AE2 A
								IE ID. 030-/	400-4
(GR0)-C6-C10       Diesel Range Organics (Over       <49.9									
Date Collected: 12/10/24 10:17									
Pate Collected: 12/10/24 10:17 Pate Received: 12/10/24 15:21	ile Organic	Compoun	ds (GC)						
Pate Collected: 12/10/24 10:17 Pate Received: 12/10/24 15:21 Method: SW846 8021B - Volat	-			MDL	Unit	D		Matrix	: Solid
Date Collected: 12/10/24 10:17 Date Received: 12/10/24 15:21 Method: SW846 8021B - Volat Analyte	Result	Qualifier	RL	MDL		D	Prepared	Matrix	: Solid
Date Collected: 12/10/24 10:17 Date Received: 12/10/24 15:21 Method: SW846 8021B - Volat Analyte Benzene	Result <0.00202	Qualifier U *+ *1	RL 0.00202	MDL	mg/Kg	D	Prepared 12/11/24 08:23	Matrix Analyzed 12/11/24 12:56	<b>Dil Fac</b>
Pate Collected: 12/10/24 10:17 Pate Received: 12/10/24 15:21 Method: SW846 8021B - Volat Analyte Benzene Ethylbenzene	Result <0.00202 <0.00202	Qualifier U *+ *1 U *+ *1	RL 0.00202 0.00202	MDL	mg/Kg mg/Kg	<u>D</u>	Prepared 12/11/24 08:23 12/11/24 08:23	Matrix Analyzed 12/11/24 12:56 12/11/24 12:56	Dil Fac
ate Collected: 12/10/24 10:17 bate Received: 12/10/24 15:21 Method: SW846 8021B - Volat Analyte Benzene Ethylbenzene Toluene	Result           <0.00202	Qualifier U *+ *1 U *+ *1 U *+ *1 U *+ *1	RL 0.00202 0.00202 0.00202	MDL	mg/Kg mg/Kg mg/Kg	<u>D</u>	Prepared 12/11/24 08:23 12/11/24 08:23 12/11/24 08:23	Matrix Analyzed 12/11/24 12:56 12/11/24 12:56 12/11/24 12:56	<b>Dil Fac</b> 1 1
Pate Collected: 12/10/24 10:17 Pate Received: 12/10/24 15:21 Method: SW846 8021B - Volat Analyte Benzene Ethylbenzene Toluene Xylenes, Total	Result           <0.00202	Qualifier U *+ *1 U *+ *1 U *+ *1 U *+ *1	RL           0.00202           0.00202           0.00202           0.00202           0.00202           0.00403	MDL	mg/Kg mg/Kg mg/Kg mg/Kg	<u>D</u>	Prepared 12/11/24 08:23 12/11/24 08:23 12/11/24 08:23 12/11/24 08:23	Matrix Analyzed 12/11/24 12:56 12/11/24 12:56 12/11/24 12:56 12/11/24 12:56	Dil Fac
Date Collected: 12/10/24 10:17 Date Received: 12/10/24 15:21 Method: SW846 8021B - Volat Analyte Benzene Ethylbenzene Toluene Xylenes, Total m-Xylene & p-Xylene	Result           <0.00202	Qualifier U *+ *1 U *+ *1 U *+ *1 U *+ *1 U *+ *1 U *+ *1	RL           0.00202           0.00202           0.00202           0.00202           0.00403           0.00403	MDL	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	D	Prepared 12/11/24 08:23 12/11/24 08:23 12/11/24 08:23 12/11/24 08:23 12/11/24 08:23	Matrix Analyzed 12/11/24 12:56 12/11/24 12:56 12/11/24 12:56 12/11/24 12:56 12/11/24 12:56	Dil Fac

Surrogate Limits %Recovery Qualifier 4-Bromofluorobenzene (Surr) 115 70 - 130 1,4-Difluorobenzene (Surr) 108 70 - 130

Method: TAL SOP Total BTEX -	Total BTE	X Calculat	tion						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			12/11/24 12:56	1
Method: SW846 8015 NM - Dies	sel Range	Organics (	DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/11/24 13:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/11/24 08:24	12/11/24 13:05	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/11/24 08:24	12/11/24 13:05	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/11/24 08:24	12/11/24 13:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130				12/11/24 08:24	12/11/24 13:05	1
o-Terphenyl	90		70 - 130				12/11/24 08:24	12/11/24 13:05	1

Job ID: 890-7453-1

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

12/11/24 08:23 12/11/24 12:56

12/11/24 08:23 12/11/24 12:56

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

1

1

# **Client Sample Results**

Job ID: 890-7453-1

Matrix: Solid

Lab Sample ID: 890-7453-4

Client: CDH Consulting
Project/Site: Jackson B29Y

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

Method: EPA 300.0 - Anions, Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Chloride	889		50.4		mg/Kg			12/11/24 11:38	
lient Sample ID: SW3							Lab Samn	le ID: 890-7	1453
ate Collected: 12/10/24 10:21							Lab Samp		
ate Received: 12/10/24 10:21								watrix	: Solie
ate Received. 12/10/24 15.21									
Method: SW846 8021B - Vola	tile Organic	Compoun	ds (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00200	U *+ *1	0.00200		mg/Kg		12/11/24 08:23	12/11/24 13:17	
Ethylbenzene	<0.00200	U *+ *1	0.00200		mg/Kg		12/11/24 08:23	12/11/24 13:17	
Toluene	<0.00200	U *+ *1	0.00200		mg/Kg		12/11/24 08:23	12/11/24 13:17	
Xylenes, Total	<0.00401	U *+ *1	0.00401		mg/Kg		12/11/24 08:23	12/11/24 13:17	
m-Xylene & p-Xylene	<0.00401	U *+ *1	0.00401		mg/Kg		12/11/24 08:23	12/11/24 13:17	
o-Xylene	<0.00200	U *+ *1	0.00200		mg/Kg		12/11/24 08:23	12/11/24 13:17	
Surragata	% Decours	Qualifier	l imit-				Dronered	Anolized	D:1 F.
Surrogate	% <b>Recovery</b> 113	Qualifier	Limits 70 - 130				Prepared 12/11/24 08:23	Analyzed 12/11/24 13:17	Dil Fa
4-Bromofluorobenzene (Surr)									
1,4-Difluorobenzene (Surr)	107		70 - 130				12/11/24 08:23	12/11/24 13:17	
Method: TAL SOP Total BTE)	C - Total BTE	X Calcula	tion						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00401	U	0.00401		mg/Kg			12/11/24 13:17	
Method: SW846 8015 NM - Di									
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total TPH	<50.0	U	50.0		mg/Kg			12/11/24 13:21	
Method: SW846 8015B NM - I	Diacol Bong	Organica							
Analyte		Qualifier		мрі	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics	<50.0	-	50.0		mg/Kg		12/11/24 08:24	12/11/24 13:21	
(GRO)-C6-C10		0	00.0		mg/rtg		12/11/21 00:21	12/11/21 10.21	
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		12/11/24 08:24	12/11/24 13:21	
C10-C28)									
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/11/24 08:24	12/11/24 13:21	
	~~ <b>-</b>								
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1-Chlorooctane	94		70 - 130				12/11/24 08:24	12/11/24 13:21	
o-Terphenyl	83		70 - 130				12/11/24 08:24	12/11/24 13:21	
Method: EPA 300.0 - Anions,	Ion Chroma	tography -	Soluble						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Chloride	608		9.96		mg/Kg			12/11/24 11:44	
					0 0				
lient Sample ID: FL06@	20'						Lab Samp	le ID: 890-7	453-
ate Collected: 12/10/24 10:57	,							Matrix	c: Soli
ate Received: 12/10/24 15:21									
ample Depth: 20	tilo Organia	Compour							
ample Depth: 20 Method: SW846 8021B - Vola	•			мы	Unit	П	Prepared	Analyzed	Dil Fa
ate Received: 12/10/24 15:21 ample Depth: 20 Method: SW846 8021B - Vola Analyte Benzene	•	Qualifier	ds (GC) 	MDL	Unit mg/Kg	D	Prepared 12/11/24 08:23	Analyzed 12/11/24 13:37	Dil Fa

Eurofins Carlsbad

1

12/11/24 08:23 12/11/24 13:37

Ethylbenzene

0.00198

mg/Kg

<0.00198 U\*+\*1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	<0.00198	U *+ *1	0.00198		mg/Kg		12/11/24 08:23	12/11/24 13:37	,
Xylenes, Total	<0.00396	U *+ *1	0.00396		mg/Kg		12/11/24 08:23	12/11/24 13:37	
n-Xylene & p-Xylene	<0.00396	U *+ *1	0.00396		mg/Kg		12/11/24 08:23	12/11/24 13:37	
p-Xylene	<0.00198	U *+ *1	0.00198		mg/Kg		12/11/24 08:23	12/11/24 13:37	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	109		70 - 130				12/11/24 08:23	12/11/24 13:37	-
1,4-Difluorobenzene (Surr)	107		70 - 130				12/11/24 08:23	12/11/24 13:37	1
Method: TAL SOP Total BTEX	- Total BTE	X Calculat	tion						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			12/11/24 13:37	1
Method: SW846 8015 NM - Di	esel Range	Organics (	DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/11/24 14:55	1
(GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Dil Range Organics (Over C28-C36)	<49.9 <49.9		49.9 49.9		mg/Kg mg/Kg			12/11/24 14:55 12/11/24 14:55	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1-Chlorooctane	111		70 - 130				12/11/24 08:24	12/11/24 14:55	Birra
o-Terphenyl	102		70 - 130					12/11/24 14:55	1
Method: EPA 300.0 - Anions,	Ion Chroma	tography -	Soluble						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2460		49.6		mg/Kg			12/11/24 11:49	5
lient Sample ID: FL07@2	20'						Lab Samp	le ID: 890-7	453-7
ate Collected: 12/10/24 11:38									: Solic
ate Received: 12/10/24 15:21									
ample Depth: 20									
		Compound	ds (GC)						
	-				11	-	B	A	D'I E
Analyte	Result	Qualifier		MDL	Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
Analyte Benzene	<b>Result</b>	Qualifier U *+ *1	RL 0.00200	MDL	mg/Kg	D	12/11/24 08:23	12/11/24 13:58	1
Method: SW846 8021B - Volat Analyte Benzene Ethylbenzene Toluene	Result	Qualifier U *+ *1 U *+ *1		MDL		D	<u> </u>		

0.00399

<0.00399 U\*+\*1

mg/Kg

**Eurofins Carlsbad** 

1

12/11/24 08:23 12/11/24 13:58

Job ID: 890-7453-1

# Lab Sample ID: 890-7453-6

Matrix: Solid

5

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

Xylenes, Total

Job ID: 890-7453-1

Matrix: Solid

5

Lab Sample ID: 890-7453-7

#### Client: CDH Consulting Project/Site: Jackson B29Y

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

- Total BTE	X Calculat	tion						
Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<0.00399	U	0.00399		mg/Kg			12/11/24 13:58	1
esel Range	Organics (	DRO) (GC)						
	-	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<50.0	U	50.0		mg/Kg			12/11/24 15:10	1
	0							
	-			11	_	Duran and	A seals sead	
			MDL		D			Dil Fac
<50.0	U	50.0		mg/Kg		12/11/24 08:24	12/11/24 15:10	1
<50.0	U	50.0		mg/Kg		12/11/24 08:24	12/11/24 15:10	1
50.0		50.0				10/11/01 00 01		
<50.0	U	50.0		mg/Kg		12/11/24 08:24	12/11/24 15:10	1
%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
91		70 - 130				12/11/24 08:24	12/11/24 15:10	1
84		70 - 130				12/11/24 08:24	12/11/24 15:10	1
lon Chroma	tography -	Solublo						
		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2240		50.1		mg/Kg			12/11/24 11:54	5
	Result           <0.00399	Result       Qualifier         <0.00399	<0.00399         U         0.00399           Result         Qualifier         RL           <50.0	Result         Qualifier         RL         MDL           <0.00399	Result       Qualifier       RL       MDL       Unit         <0.00399	Result <0.00399Qualifier URL 0.00399MDL mg/KgUnit mg/KgDesel Range Organics (DRO) (GC)   Result UQualifier URL 50.0MDL mg/KgUnit DDiesel Range Organics (DRO) (GC)    Result QualifierRL mg/KgMDL Unit mg/KgUnit DDiesel Range Organics (DRO) (GC)    Result QualifierRL mg/KgMDL mg/KgUnit DSoloU50.0mg/Kg<50.0	Result         Qualifier         RL         MDL         Unit         D         Prepared           <0.00399	Result         Qualifier         RL         MDL         Unit         D         Prepared         Analyzed           <0.00399

### **Surrogate Summary**

Client: CDH Consulting Project/Site: Jackson B29Y

#### Method: 8021B - Volatile Organic Compounds (GC) Matrix: Solid

		BFB1	Pe DFBZ1	rcent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
890-7453-1		111	109	
890-7453-1 MS	FL01@1'	104	103	
890-7453-1 MSD	FL01@1'	110	105	
890-7453-2	FL02@2'	113	107	
890-7453-3	SW1	110	106	
890-7453-4	SW2	115	108	
890-7453-5	SW3	113	107	
890-7453-6	FL06@20'	109	107	
890-7453-7	FL07@20'	112	108	
LCS 880-97575/1-A	Lab Control Sample	109	102	
LCSD 880-97575/2-A	Lab Control Sample Dup	110	103	
MB 880-97575/5-A	Method Blank	110	101	

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid

-			Pe
		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
890-7453-1		102	95
890-7453-1 MS	FL01@1'	93	90
890-7453-1 MSD	FL01@1'	94	92
890-7453-2	FL02@2'	95	85
890-7453-3	SW1	102	91
890-7453-4	SW2	102	90
890-7453-5	SW3	94	83
890-7453-6	FL06@20'	111	102
890-7453-7	FL07@20'	91	84
LCS 880-97576/2-A	Lab Control Sample	96	102
LCSD 880-97576/3-A	Lab Control Sample Dup	108	108
MB 880-97576/1-A	Method Blank	121	118
Surrogate Legend			

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

**Eurofins Carlsbad** 

Job ID: 890-7453-1

Prep Type: Total/NA

Prep Type: Total/NA

### **QC Sample Results**

**Client: CDH Consulting** 

Lab Sample ID: MB 880-97575/5-A

Project/Site: Jackson B29Y

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

Matrix: Solid Analysis Batch: 97570							Prep Type: To Prep Batch:	
					_			
Analyte	Result	Qualifier	RL	MDL Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		12/11/24 08:23	12/11/24 11:33	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		12/11/24 08:23	12/11/24 11:33	1
Toluene	<0.00200	U	0.00200	mg/Kg		12/11/24 08:23	12/11/24 11:33	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		12/11/24 08:23	12/11/24 11:33	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		12/11/24 08:23	12/11/24 11:33	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		12/11/24 08:23	12/11/24 11:33	1
	MB	МВ						
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130			12/11/24 08:23	12/11/24 11:33	1
1,4-Difluorobenzene (Surr)	101		70 - 130			12/11/24 08:23	12/11/24 11:33	1

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

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

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

#### Lab Sample ID: LCSD 880-97575/2-A Matrix: Solid

#### Analysis Batch: 97570

Analysis Batch: 97570								atch: 97575		
	Spike	LCSD	LCSD				%Rec		RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Benzene	0.100	0.1149	*1	mg/Kg		115	70 - 130	62	35	
Ethylbenzene	0.100	0.1109	*1	mg/Kg		111	70 - 130	62	35	
Toluene	0.100	0.1127	*1	mg/Kg		113	70 - 130	62	35	
m-Xylene & p-Xylene	0.200	0.2257	*1	mg/Kg		113	70 - 130	62	35	
o-Xylene	0.100	0.1155	*1	mg/Kg		115	70 - 130	62	35	

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

#### Lab Sample ID: 890-7453-1 MS **Matrix: Solid**

Analy	<b>ysis</b>	<b>Batch:</b>	97570

Analysis Batch: 97570									Prep Bat	ch: 97575
	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00200	U *+ *1	0.101	0.1122		mg/Kg		111	70 - 130	
Ethylbenzene	<0.00200	U *+ *1	0.101	0.1065		mg/Kg		106	70 - 130	

**Eurofins Carlsbad** 

Client Sample ID: FL01@1'

**Prep Type: Total/NA** 

# Prep Type: Total/NA

Job ID: 890-7453-1

# **Client Sample ID: Lab Control Sample**

**Client Sample ID: Lab Control Sample Dup** 

**Prep Type: Total/NA** 

Prep Type: Total/NA

Prep Batch: 97575

Lab Sample ID: 890-7453-1 MS

# **QC Sample Results**

MS MS

Spike

Added

**Client: CDH Consulting** Project/Site: Jackson B29Y

Analysis Batch: 97570

Matrix: Solid

Analyte

Job ID: 890-7453-1

# Page 61 of 277

#### Client Sample ID: FL01@1' Prep Type: Total/NA Prep Batch: 97575 %Rec Result Qualifier Unit D %Rec Limits

70 - 130

70 - 130

70 - 130

Client Sample ID: FL01@1'

**Client Sample ID: Method Blank** 

12/11/24 08:24 12/11/24 09:06

12/11/24 08:24 12/11/24 09:06

**Client Sample ID: Lab Control Sample** 

Prep Type: Total/NA

Prep Type: Total/NA

108

107

109

Toluene	<0.00200	U *+ *1	0.101	0.1092	mg/Kg
m-Xylene & p-Xylene	<0.00401	U *+ *1	0.202	0.2151	mg/Kg
o-Xylene	<0.00200	U *+ *1	0.101	0.1100	mg/Kg
	MS	MS			
Surrogate	%Recovery	Qualifier	Limits		
4-Bromofluorobenzene (Surr)	104		70 - 130		
1,4-Difluorobenzene (Surr)	103		70 - 130		

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

Sample Sample

**Result Qualifier** 

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

Analysis Batch: 97570									Prep B	atch: §	<del>)</del> 7575
-	Sample	Sample	Spike	MSD N	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result C	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00200	U *+ *1	0.0998	0.1154		mg/Kg		116	70 - 130	3	35
Ethylbenzene	<0.00200	U *+ *1	0.0998	0.1087		mg/Kg		109	70 - 130	2	35
Toluene	<0.00200	U *+ *1	0.0998	0.1116		mg/Kg		112	70 - 130	2	35
m-Xylene & p-Xylene	<0.00401	U *+ *1	0.200	0.2217		mg/Kg		111	70 - 130	3	35
o-Xylene	<0.00200	U *+ *1	0.0998	0.1132		mg/Kg		113	70 - 130	3	35
	MSD	MSD									
Surrogate	%Recovery	Qualifier	Limits								

70 - 130

70 - 130

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

110 105

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

4-Bromofluorobenzene (Surr)

1,4-Difluorobenzene (Surr)

Analysis Batch: 97588						Prep Batch	: 97576
	MB	МВ					
Analyte	Result	Qualifier	RL	MDL Unit	D Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg	12/11/24 08:24	12/11/24 09:06	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg	12/11/24 08:24	12/11/24 09:06	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg	12/11/24 08:24	12/11/24 09:06	1
	MB	MB					
Surrogate	%Recovery	Qualifier	Limits		Prepared	Analyzed	Dil Fac

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	121		70 - 130
o-Terphenyl	118		70 - 130

#### Lab Sample ID: LCS 880-97576/2-A Matrix: Solid Analysia Potoby 07599

Analysis Batch: 97588							Prep E	atch: 97576
	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	1000	939.3		mg/Kg		94	70 - 130	
(GRO)-C6-C10								
Diesel Range Organics (Over	1000	904.8		mg/Kg		90	70 - 130	
C10-C28)								

**Eurofins Carlsbad** 

Prep Type: Total/NA

1

# **QC Sample Results**

Client: CDH Consulting Project/Site: Jackson B29Y

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

Method: 8015B NM - D	iesel Rang	ge Orgar	nics (DRO)	) (GC) ((	Continu	ied)					
Lab Sample ID: LCS 880-	97576/2-A					Clier	nt Sai	mple ID	: Lab Cor		
Matrix: Solid									Prep Ty		
Analysis Batch: 97588									Prep E	Batch: S	97576
	LCS	LCS									
Surrogate	%Recovery		Limits								
1-Chlorooctane	96	quamo	70 - 130								
o-Terphenyl	102		70 - 130								
	102		10-100								
Lab Sample ID: LCSD 880	)-97576/3-A				C	Client Sa	mple	ID: Lab	Control	Sample	Dup
Matrix: Solid									Prep Ty		
Analysis Batch: 97588										Batch: §	
			Spike	LCSD	LCSD				%Rec		RPD
Analyte			Added		Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics			1000	1098		mg/Kg		110	70 - 130	16	20
(GRO)-C6-C10											
Diesel Range Organics (Over			1000	1008		mg/Kg		101	70 - 130	11	20
C10-C28)											
	LCSD	LCSD									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	108		70 - 130								
o-Terphenyl	108		70 - 130								
Lab Sample ID: 890-7453	-1 MS							Clien	t Sample		_
Matrix: Solid									Prep Ty		
Analysis Batch: 97588									Prep E	Batch: S	97576
		Sample	Spike		MS				%Rec		
Analyte		Qualifier	Added		Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics	<50.0	U	994	791.5		mg/Kg		80	70 - 130		
(GRO)-C6-C10	<50.0		004	757 0		ma/l/a		76	70 120		
Diesel Range Organics (Over C10-C28)	<50.0	0	994	757.8		mg/Kg		76	70 - 130		
010-020)											
		MS									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	93		70 - 130								
o-Terphenyl	90		70 - 130								
Lab Sample ID: 800 7452	4 MCD							Clien	Comple		
Lab Sample ID: 890-7453								Clien	t Sample		<u> </u>
Matrix: Solid									Prep Ty	Batch: S	
Analysis Batch: 97588	Sampla	Sample	Spike	MSD	MSD				%Rec	balch.	RPD
Analyte		Qualifier	Added		Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	<50.0			827.9	Quaimer	mg/Kg		83	70 - 130	4	20
(GRO)-C6-C10	-00.0	0	554	021.5		iiig/itg		00	10-100	-	20
Diesel Range Organics (Over	<50.0	U	994	761.3		mg/Kg		77	70 - 130	0	20
C10-C28)											
	MSD	MSD									
Surrogate	%Recovery		Limits								
1-Chlorooctane	94		70 - 130								
o-Terphenyl	92		70 - 130								

Eurofins Carlsbad

# **QC Sample Results**

Client: CDH Consulting Project/Site: Jackson B29Y Job ID: 890-7453-1

### Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-9756 Matrix: Solid Analysis Batch: 97585	7/1-A								C	lient San	ple ID: M Prep Ty		
·····, ····	MB	МВ											
Analyte	Result	Qualifier		RL	I	MDL	Unit		D	Prepared	Analyz	zed	Dil Fac
Chloride	<10.0	U		10.0		1	mg/Kg	)			12/11/24	09:21	1
Lab Sample ID: LCS 880-975 Matrix: Solid Analysis Batch: 97585	67/2-A							Clie	ent S	ample ID	: Lab Cor Prep Ty		
			Spike		LCS	LCS					%Rec		
Analyte			Added		Result	Quali	ifier	Unit		D %Rec	Limits		
Chloride			250		230.8			mg/Kg		92	90 - 110		
Lab Sample ID: LCSD 880-97	567/3-A						С	lient S	ampl	le ID: Lat	<b>Control</b>		
Matrix: Solid											Prep T	ype: So	oluble
Analysis Batch: 97585													
			Spike		LCSD	LCSE	כ				%Rec		RPD
Analyte			Added		Result	Quali	ifier	Unit		D %Rec	Limits	RPD	Limit
Chloride			250		231.0			mg/Kg		92	90 - 110	0	20

**Client Sample ID** 

FL01@1

FL02@2'

FL06@20'

FL07@20'

FL01@1'

Method Blank

Lab Control Sample

Lab Control Sample Dup

SW1

SW2

SW3

# **QC Association Summary**

Prep Type

Total/NA

Matrix

Solid

Method

8021B

5035

**Client: CDH Consulting** Project/Site: Jackson B29Y

Analysis Batch: 97570

**GC VOA** 

Lab Sample ID

890-7453-1

890-7453-2

890-7453-3

890-7453-4

890-7453-5

890-7453-6

890-7453-7

MB 880-97575/5-A

LCS 880-97575/1-A

LCSD 880-97575/2-A

Prep Batch

97575

97575

97575

97575

97575

97575

97575

97575

97575

97575

Job ID: 890-7453-1

Page 64 of 277 8

890-7453-1 MS	FL01@1'	Total/NA	Solid	8021B	97575	
890-7453-1 MSD	FL01@1'	Total/NA	Solid	8021B	97575	10
Prep Batch: 97575						44
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch	
890-7453-1	FL01@1'	Total/NA	Solid	5035		10
890-7453-2	FL02@2'	Total/NA	Solid	5035		
890-7453-3	SW1	Total/NA	Solid	5035		40
890-7453-4	SW2	Total/NA	Solid	5035		13
890-7453-5	SW3	Total/NA	Solid	5035		
890-7453-6	FL06@20'	Total/NA	Solid	5035		14
890-7453-7	FL07@20'	Total/NA	Solid	5035		
MB 880-97575/5-A	Method Blank	Total/NA	Solid	5035		
LCS 880-97575/1-A	Lab Control Sample	Total/NA	Solid	5035		
LCSD 880-97575/2-A	Lab Control Sample Dup	Total/NA	Solid	5035		
890-7453-1 MS	FL01@1'	Total/NA	Solid	5035		

#### Analysis Batch: 97651

890-7453-1 MSD

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

#### GC Semi VOA

#### Prep Batch: 97576

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

#### **Eurofins Carlsbad**

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

# **QC Association Summary**

Client: CDH Consulting Project/Site: Jackson B29Y

### GC Semi VOA (Continued)

#### Prep Batch: 97576 (Continued)

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

#### Analysis Batch: 97588

_ab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch	
390-7453-1	FL01@1'	Total/NA	Solid	8015B NM	97576	_
390-7453-2	FL02@2'	Total/NA	Solid	8015B NM	97576	8
390-7453-3	SW1	Total/NA	Solid	8015B NM	97576	
390-7453-4	SW2	Total/NA	Solid	8015B NM	97576	Q
390-7453-5	SW3	Total/NA	Solid	8015B NM	97576	
390-7453-6	FL06@20'	Total/NA	Solid	8015B NM	97576	
390-7453-7	FL07@20'	Total/NA	Solid	8015B NM	97576	
MB 880-97576/1-A	Method Blank	Total/NA	Solid	8015B NM	97576	
_CS 880-97576/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	97576	
_CSD 880-97576/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	97576	
390-7453-1 MS	FL01@1'	Total/NA	Solid	8015B NM	97576	
390-7453-1 MSD	FL01@1'	Total/NA	Solid	8015B NM	97576	

#### Analysis Batch: 97655

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

#### HPLC/IC

#### Leach Batch: 97567

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

#### Analysis Batch: 97585

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

#### **Eurofins Carlsbad**

Page 65 of 277

Job ID: 890-7453-1

# **QC Association Summary**

Client: CDH Consulting Project/Site: Jackson B29Y

HPLC/IC (Continued)

#### Analysis Batch: 97585 (Continued)

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

5

Job ID: 890-7453-1

Job ID: 890-7453-1

# Lab Sample ID: 890-7453-1

Lab Sample ID: 890-7453-2

Lab Sample ID: 890-7453-3

Lab Sample ID: 890-7453-4

Matrix: Solid

Matrix: Solid

Matrix: Solid

#### Client Sample ID: FL01@1' Date Collected: 12/10/24 10:02 Date Received: 12/10/24 15:21

**Client: CDH Consulting** 

Project/Site: Jackson B29Y

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

### Client Sample ID: FL02@2' Date Collected: 12/10/24 10:09

Date Received: 12/10/24 15:21

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

#### Client Sample ID: SW1 Date Collected: 12/10/24 10:13 Date Received: 12/10/24 15:21

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

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

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

**Eurofins Carlsbad** 

Matrix: Solid

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

Job ID: 890-7453-1

Matrix: Solid

Matrix: Solid

Lab Sample ID: 890-7453-4

# Client: CDH Consulting Project/Site: Jackson B29Y

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

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

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

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

### Client Sample ID: FL06@20'

Date Collected: 12/10/24 10:57 Date Received: 12/10/24 15:21

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

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

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

**Eurofins Carlsbad** 

# Lab Sample ID: 890-7453-6

Lab Sample ID: 890-7453-7

Matrix: Solid

Matrix: Solid

### Lab Chronicle

Job ID: 890-7453-1

# Client: CDH Consulting Project/Site: Jackson B29Y

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

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

#### Laboratory References:

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

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

**Accreditation/Certification Summary** 

Client: CDH Consulting Project/Site: Jackson B29Y Job ID: 890-7453-1

Page 70 of 277

ority	Program	Progra	Identification Number	Expiration Date
;	NELAP		T104704400	- <u>06-30-25</u>
The following analyte	s are included in this report, but the laboratory	are included in this repor	ot certified by the governing autho	ity. This list may include analytes
	s are included in this report, but the laboratory does not offer certification.		ot certified by the governing author	ity. This list may include analytes
		oes not offer certification.	ot certified by the governing author Analyte	ity. This list may include analytes
for which the agency	does not offer certification.	oes not offer certification.		ity. This list may include analytes

### **Method Summary**

**Client: CDH Consulting** Project/Site: Jackson B29Y Job ID: 890-7453-1

Method	Method Description	Protocol	Laboratory	
8021B	Volatile Organic Compounds (GC)	SW846	EET MID	
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID	
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID	E
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 Ref	erences:			8
ASTM = A	STM International			
EPA = US	Environmental Protection Agency			9
SW846 = 1	"Test Methods For Evaluating Solid Waste, Physical/Chemical Methods",	Third Edition, November 1986 And Its Update	es.	
TAL SOP :	= TestAmerica Laboratories, Standard Operating Procedure			

#### **Protocol References:**

#### Laboratory References:

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

# **Sample Summary**

Client: CDH Consulting Project/Site: Jackson B29Y Job ID: 890-7453-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth	
890-7453-1	FL01@1'	Solid	12/10/24 10:02	12/10/24 15:21	1	
890-7453-2	FL02@2'	Solid	12/10/24 10:09	12/10/24 15:21	2	
890-7453-3	SW1	Solid	12/10/24 10:13	12/10/24 15:21		5
890-7453-4	SW2	Solid	12/10/24 10:17	12/10/24 15:21		J
890-7453-5	SW3	Solid	12/10/24 10:21	12/10/24 15:21		
890-7453-6	FL06@20'	Solid	12/10/24 10:57	12/10/24 15:21	20	
890-7453-7	FL07@20'	Solid	12/10/24 11:38	12/10/24 15:21	20	
						8
						9
						12
						13
And ALCH COL	Environment lesting Xenco	Midland, TX (4 EL Paso, TX (1 Hobbs, NM (	rousioni, 1X (201) 240-4200, ballas, 1X (214) 902-0500 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 O	Work Order No:	
--	---	---	---	--	--	
/ Name: CDH	WICKEN	Bill to: (if different)			Page Of Of	
	Consulting con	Company Name:		Program: UST		
Address:	Add	Address:		State of Project: 1000000-7 Reporting: Lev 890-7	890-7453 Chain of Custodi.	
Phone: [0] 6-970	0-8459 Email: M	MUNICKEYE	creverationsult, com	Ē	Áboteno :-	
Name: Nr. chSin B	Turn Around	pu	ANALYSIS REQUEST	ST	Preservative Codes	
ber:	Routine	Rush Code			None: NO DI Water: H <sub>2</sub> O	
Project Location: Sampler's Name: Dovocotain CUE	Due Date: $24A$ . 226A TAT starts the day received by the lab, if received by 4:30pm				Cool: Cool MeOH: Me HCL: HC HNO <sub>3</sub> : HN H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub> NaOH: Na	
SAMPLE RECEIPT Temp Blank:	Thomas ID.	M Addin A	201		H <sub>3</sub> PO 4: HP NAHSO -> NABIS	
Cooler Custody Seals: Yes No	Correction Factor:	Т	900		Na 25 203: NaSO 3	
	Temperature Reading:	1,6	28		Zn Acetate+NaOH: Zn	
Total Containers:	d Temp	1			NaUH+Ascordic Acid: SAPL	
Sample Identification Matrix	Date Time Sampled Sampled	Depth Grab/ # of Comp Cont			Sample Comments	
	13/10/00/ 10:00	I' COMP 3				
0		Cemp				
	hene/oi/ei	(come 2)				
		10 duin)				
	N/10/30-110. C1 30	Linua 1				
1000	11:38					
Total 200.7 / 6010 200.8 / 6020: Circle Method(s) and Metal(s) to be analyzed	8RCRA 13PPM lexas inalyzed TCLP / SPLP 6010 :	S	: IT AI DE AS BABEED CATCOCUTEPD MG MIN MONINGEAG DUZINA DE 11 DI U : SRCRASA SASBABECATCOCUPD MIN MONISEAG TIU H9: 1631/245.1/7470/747	NIN NO NI K SE AG S	нд эю <sub>2</sub> ма эг н эл о ү ин Нg: 1631 / 245.1 / 7470 / 7471	
Signature of this document and relinquishment of sa Re. Euronins Xenco will be liable only for the cost of si ins Xenco. A minimum charge of \$85.00 will be appli	amples constitutes a valid purchase order fro samples and shall not assume any responsibili Aled to each project and a charge of \$5 for ea	n client company to Eur y for any losses or expe ch sample submitted to	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.	and conditions nd the control oreviously negotiated.		
Relinquished by: (Signature)	Received by: (Signature)		Date/Time Relinquished by: (Signature)	e) Received by	Received by: (Signature) Date/Time	
Marted Corde	aluhun	5)	5: @4 12-80			
			9		Revised Date: 08/25/ 20202	
					2	

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

12/11/2024 (Rev. 1)

Page 73 of 277

14

# Login Sample Receipt Checklist

Client: CDH Consulting

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

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

List Source: Eurofins Carlsbad

# Login Sample Receipt Checklist

Client: CDH Consulting

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

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

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

14

List Source: Eurofins Midland

List Creation: 12/11/24 08:13 AM

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



**Environment Testing** 

# **ANALYTICAL REPORT**

# **PREPARED FOR**

Attn: Michael Wicker CDH Consulting 9446 Clermont St, Thornton, Colorado 80229 Generated 12/12/2024 8:02:11 PM

Page 76 of 277

# JOB DESCRIPTION

JACKSON B - 29Y

# **JOB NUMBER**

890-7458-1

Eurofins Carlsbad 1089 N Canal St. Carlsbad NM 88220

See page two for job notes and contact information

# **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

L

Generated 12/12/2024 8:02:11 PM

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

Eurofins Carlsbad is a laboratory within Eurofins Environment Testing South Central, LLC, a company within Eurofins Environment Testing Group of Companies

Page 78 of 277

# **Table of Contents**

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Client Sample Results	6
Surrogate Summary	20
QC Sample Results	22
QC Association Summary	32
Lab Chronicle	38
Certification Summary	44
Method Summary	45
Sample Summary	46
Chain of Custody	47
Receipt Checklists	49

# **Definitions/Glossary**

Client: CDH Consulting

Job ID: 890-7458-1

Page 79 of 277

Project/Site:	JACKSON B - 29Y	
Qualifiers	; ;	3
GC VOA		
Qualifier	Qualifier Description	
F1	MS and/or MSD recovery exceeds control limits.	
S1+	Surrogate recovery exceeds control limits, high biased.	5
U	Indicates the analyte was analyzed for but not detected.	
GC Semi V	AC	
Qualifier	Qualifier Description	
*1	LCS/LCSD RPD exceeds control limits.	
S1-	Surrogate recovery exceeds control limits, low biased.	
U	Indicates the analyte was analyzed for but not detected.	8
HPLC/IC		
Qualifier	Qualifier Description	9
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not	
	applicable.	
F1	MS and/or MSD recovery exceeds control limits.	
U	Indicates the analyte was analyzed for but not detected.	
Glossary		
Abbreviation	These commonly used abbreviations may or may not be present in this report.	
¢	Listed under the "D" column to designate that the result is reported on a dry weight basis	
%R	Percent Recovery	13
CFL	Contains Free Liquid	
CFU	Colony Forming Unit	
CNE	Contains No Free Liquid	

CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

# **Case Narrative**

Job ID: 890-7458-1

#### Job ID: 890-7458-1

#### **Eurofins Carlsbad**

#### Job Narrative 890-7458-1

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

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

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

#### Receipt

The samples were received on 12/11/2024 3:10 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.2°C.

#### Receipt Exceptions

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

#### GC VOA

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

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

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

#### **Diesel Range Organics**

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

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

Method 8015MOD\_NM: Surrogate recovery for the following samples were outside control limits: SW 5 (890-7458-8) and FL 05 @ 2' (890-7458-9). Evidence of matrix interferences is not obvious.

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

#### HPLC/IC

Method 300\_ORGFM\_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-97673 and analytical batch 880-97684 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

Page 80 of 277

# **Client Sample Results**

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

# Client Sample ID: SW 11 Date Collected: 12/11/24 00:00

Date Received: 12/11/24 15:10

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		12/12/24 09:12	12/12/24 13:05	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		12/12/24 09:12	12/12/24 13:05	1
Toluene	<0.00198	U	0.00198		mg/Kg		12/12/24 09:12	12/12/24 13:05	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		12/12/24 09:12	12/12/24 13:05	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		12/12/24 09:12	12/12/24 13:05	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		12/12/24 09:12	12/12/24 13:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130				12/12/24 09:12	12/12/24 13:05	1
1,4-Difluorobenzene (Surr)	90		70 - 130				12/12/24 09:12	12/12/24 13:05	1
Method: TAL SOP Total BTEX - T	otal BTEX Calo	ulation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			12/12/24 13:05	1
Method: SW846 8015 NM - Diese	l Range Organ	ics (DRO) (	GC)						
Method: SW846 8015 NM - Diese Analyte		ics (DRO) ( Qualifier	GC) RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
				MDL	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 12/12/24 13:26	Dil Fac
Analyte	Result	Qualifier	<b>RL</b> 49.7	MDL		<u> </u>	Prepared		Dil Fac
Analyte Total TPH	Result 68.4 sel Range Orga Result	Qualifier nics (DRO) Qualifier	<b>RL</b> 49.7			D	Prepared Prepared		Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies	Result 68.4 sel Range Orga	Qualifier nics (DRO) Qualifier	RL 49.7		mg/Kg			12/12/24 13:26	1
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result 68.4 sel Range Orga Result	Qualifier nics (DRO) Qualifier	(GC)		mg/Kg Unit		Prepared	12/12/24 13:26 Analyzed	1 Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10	Result 68.4 cel Range Orga Result <49.7	Qualifier nics (DRO) Qualifier U	RL           49.7           (GC)           RL           49.7		mg/Kg Unit mg/Kg		Prepared 12/12/24 08:17	12/12/24 13:26 <b>Analyzed</b> 12/12/24 13:26	1 Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result 68.4 eel Range Orga Result <49.7 68.4	Qualifier nics (DRO) Qualifier U	RL           49.7           (GC)           RL           49.7           49.7		mg/Kg Unit mg/Kg mg/Kg		Prepared 12/12/24 08:17 12/12/24 08:17	12/12/24         13:26           Analyzed         12/12/24         13:26           12/12/24         13:26         12/12/24         13:26	1 Dil Fac 1
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36)	Result           68.4           sel Range Orga           Result           <49.7	Qualifier nics (DRO) Qualifier U	RL           49.7           (GC)           RL           49.7           49.7           49.7           49.7		mg/Kg Unit mg/Kg mg/Kg		Prepared 12/12/24 08:17 12/12/24 08:17 12/12/24 08:17	Analyzed           12/12/24 13:26           12/12/24 13:26           12/12/24 13:26           12/12/24 13:26	1 Dil Fac 1 1
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate	Result           68.4           cel Range Orga           Result           <49.7	Qualifier nics (DRO) Qualifier U	RL           49.7           (GC)           RL           49.7           49.7           49.7           Limits		mg/Kg Unit mg/Kg mg/Kg		Prepared 12/12/24 08:17 12/12/24 08:17 12/12/24 08:17 12/12/24 08:17 Prepared	12/12/24         13:26           Analyzed         12/12/24         13:26           12/12/24         13:26         12/12/24         13:26           12/12/24         13:26         12/12/24         13:26           12/12/24         13:26         12/12/24         13:26	1 Dil Fac 1 1 1 Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	Result           68.4           sel Range Orga           Result           <49.7	Qualifier nics (DRO) Qualifier U U Qualifier	RL           49.7           (GC)           RL           49.7           49.7           49.7           49.7           70.130           70.130		mg/Kg Unit mg/Kg mg/Kg		Prepared 12/12/24 08:17 12/12/24 08:17 12/12/24 08:17 Prepared 12/12/24 08:17	12/12/24         13:26           Analyzed         12/12/24         13:26           12/12/24         13:26         12/12/24         13:26           12/12/24         13:26         12/12/24         13:26           12/12/24         13:26         12/12/24         13:26	1 Dil Fac 1 1 1 1 Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	Result 68.4 cel Range Orga Result <49.7 68.4 <49.7 %Recovery 89 79 Chromatograp	Qualifier nics (DRO) Qualifier U U Qualifier	RL           49.7           (GC)           RL           49.7           49.7           49.7           49.7           70.130           70.130	MDL	mg/Kg Unit mg/Kg mg/Kg		Prepared 12/12/24 08:17 12/12/24 08:17 12/12/24 08:17 Prepared 12/12/24 08:17	12/12/24         13:26           Analyzed         12/12/24         13:26           12/12/24         13:26         12/12/24         13:26           12/12/24         13:26         12/12/24         13:26           12/12/24         13:26         12/12/24         13:26	1 Dil Fac 1 1 1 1 Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl Method: EPA 300.0 - Anions, Ion	Result 68.4 cel Range Orga Result <49.7 68.4 <49.7 %Recovery 89 79 Chromatograp	Qualifier nics (DRO) Qualifier U Qualifier Ohy - Solub	RL         49.7         (GC)         RL         49.7         49.7         49.7         49.7         0.7         1.00         70 - 130         70 - 130         1.00         1.00	MDL	mg/Kg Unit mg/Kg mg/Kg mg/Kg	<u>D</u>	Prepared 12/12/24 08:17 12/12/24 08:17 12/12/24 08:17 12/12/24 08:17 12/12/24 08:17	12/12/24 13:26         Analyzed         12/12/24 13:26         12/12/24 13:26         12/12/24 13:26         12/12/24 13:26         12/12/24 13:26         12/12/24 13:26         12/12/24 13:26	1 Dil Fac 1 1 1 1 <i>Dil Fac</i> 1 1
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl Method: EPA 300.0 - Anions, Ion Analyte	Result 68.4 cel Range Orga Result <49.7 68.4 <49.7 68.4 <49.7 %Recovery 89 79 Chromatograp Result	Qualifier nics (DRO) Qualifier U Qualifier Ohy - Solub	RL           49.7           (GC)           RL           49.7           49.7           49.7           49.7           0.7           1.000000000000000000000000000000000000	MDL	mg/Kg Unit mg/Kg mg/Kg Mg/Kg Unit	<u>D</u>	Prepared 12/12/24 08:17 12/12/24 08:17 12/12/24 08:17 12/12/24 08:17 12/12/24 08:17 12/12/24 08:17 Prepared Prepared	12/12/24 13:26 Analyzed 12/12/24 13:26 12/12/24 13:26 12/12/24 13:26 Analyzed Analyzed	1 Dil Fac 1 1 1 <i>Dil Fac</i> 1 1 1 Dil Fac

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/12/24 09:01	12/12/24 11:31	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/12/24 09:01	12/12/24 11:31	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/12/24 09:01	12/12/24 11:31	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		12/12/24 09:01	12/12/24 11:31	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		12/12/24 09:01	12/12/24 11:31	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/12/24 09:01	12/12/24 11:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130				12/12/24 09:01	12/12/24 11:31	1
1,4-Difluorobenzene (Surr)	107		70 - 130				12/12/24 09:01	12/12/24 11:31	1

Eurofins Carlsbad

Page 81 of 277

Job ID: 890-7458-1

# Lab Sample ID: 890-7458-1

Matrix: Solid

5

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

Job ID: 890-7458-1

Matrix: Solid

Lab Sample ID: 890-7458-2

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

#### Client Sample ID: SW 13 Date Collected: 12/11/24 07:26

Date Received: 12/11/24 15:10

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			12/12/24 11:31	1
Method: SW846 8015 NM - Diesel	Range Organ	ics (DRO) (	GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/12/24 11:25	1
Method: SW846 8015B NM - Dies	el Range Orga	nics (DRO)	(GC)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9		mg/Kg		12/12/24 09:27	12/12/24 11:25	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.9	U	49.9		mg/Kg		12/12/24 09:27	12/12/24 11:25	1
C10-C28)									
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/12/24 09:27	12/12/24 11:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 _ 130				12/12/24 09:27	12/12/24 11:25	1
o-Terphenyl	78		70 - 130				12/12/24 09:27	12/12/24 11:25	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	hv - Solub	le						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	790		9.96		mg/Kg			12/12/24 12:21	1

# Client Sample ID: SW 12

Date Collected: 12/11/24 07:30 Date Received: 12/11/24 15:10

### Lab Sample ID: 890-7458-3 Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/12/24 09:01	12/12/24 12:53	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/12/24 09:01	12/12/24 12:53	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/12/24 09:01	12/12/24 12:53	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		12/12/24 09:01	12/12/24 12:53	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		12/12/24 09:01	12/12/24 12:53	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/12/24 09:01	12/12/24 12:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130				12/12/24 09:01	12/12/24 12:53	1
1,4-Difluorobenzene (Surr)	107		70 - 130				12/12/24 09:01	12/12/24 12:53	1

Method: TAL SOP Total BTEX - To	tal BTEX Cal	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	< 0.00401	U	0.00401		mg/Kg			12/12/24 12:53	1
Method: SW846 8015 NM - Diesel						_			5115
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/12/24 12:12	1

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

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

Eurofins Carlsbad

Job ID: 890-7458-1

Lab Sample ID: 890-7458-3

Lab Sample ID: 890-7458-4

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

# **Client Sample ID: SW 12**

Date Collected: 12/11/24 07:30 Date Received: 12/11/24 15:10

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/12/24 09:27	12/12/24 12:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130				12/12/24 09:27	12/12/24 12:12	1
o-Terphenyl	76		70 - 130				12/12/24 09:27	12/12/24 12:12	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	ohy - Solubl	e						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	549		9.90		mg/Kg			12/12/24 12:27	1

# Client Sample ID: SW 14

Date Collected: 12/11/24 07:35

Date Received: 12/11/24 15:10

Method: SW846 8021B - Volati	le Organic Comp	ounds (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		12/12/24 09:01	12/12/24 13:13	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		12/12/24 09:01	12/12/24 13:13	1
Toluene	<0.00198	U	0.00198		mg/Kg		12/12/24 09:01	12/12/24 13:13	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		12/12/24 09:01	12/12/24 13:13	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		12/12/24 09:01	12/12/24 13:13	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		12/12/24 09:01	12/12/24 13:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130				12/12/24 09:01	12/12/24 13:13	1
1,4-Difluorobenzene (Surr)	107		70 - 130				12/12/24 09:01	12/12/24 13:13	1

# Method: TAL SOP Total BTEX - Total BTEX Calculation

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

	Method: SW846 8015 NM - Diesel R	Range Organ	ics (DRO) (O	GC)						
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
l	Total TPH	<49.8	U	49.8		mg/Kg			12/12/24 12:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.8	U	49.8		mg/Kg		12/12/24 09:27	12/12/24 12:28	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.8	U	49.8		mg/Kg		12/12/24 09:27	12/12/24 12:28	1
C10-C28)									
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/12/24 09:27	12/12/24 12:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130				12/12/24 09:27	12/12/24 12:28	1
o-Terphenyl	73		70 - 130				12/12/24 09:27	12/12/24 12:28	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy - Solubl	e						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3300		49.5		mg/Kg			12/12/24 12:33	5

Matrix: Solid

Matrix: Solid

5

12 13

RL

0.00199

0.00199

0.00199

0.00398

0.00398

0.00199

Limits

70 - 130

70 - 130

MDL Unit

mg/Kg

mg/Kg

mg/Kg

mg/Kg

mg/Kg

mg/Kg

D

Prepared

12/12/24 09:01

12/12/24 09:01

12/12/24 09:01

12/12/24 09:01

12/12/24 09:01

12/12/24 09:01

Prepared

12/12/24 09:01

12/12/24 09:01

Dil Fac

1

1

1

1

1

Dil Fac

Job ID: 890-7458-1

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

#### Client Sample ID: FL 03 @ 1' Date Collected: 12/11/24 07:39

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

Result Qualifier

<0.00199 U

<0.00199 U

<0.00199 U

<0.00398 U

<0.00398 U

<0.00199 U

%Recovery Qualifier

110

107

Date Received: 12/11/24 15:10

Sample Depth: 2'

Analyte

Benzene

Toluene

o-Xylene

Surrogate

C10-C28)

Ethylbenzene

Xylenes, Total

m-Xylene & p-Xylene

4-Bromofluorobenzene (Surr)

1,4-Difluorobenzene (Surr)

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

Analyzed

12/12/24 13:34

12/12/24 13:34

12/12/24 13:34

12/12/24 13:34

12/12/24 13:34

12/12/24 13:34

Analyzed

12/12/24 13:34

12/12/24 13:34

> 10 11 12

3

Method: TAL SOP Total BTEX -	Total BTEX Calo	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/12/24 13:34	1
Method: SW846 8015 NM - Dies	el Range Organ	ics (DRO) (O	SC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			12/12/24 12:43	1
Method: SW846 8015B NM - Die	esel Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.6	U	49.6		mg/Kg		12/12/24 09:27	12/12/24 12:43	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.6	U	49.6		mg/Kg		12/12/24 09:27	12/12/24 12:43	1

Oil Range Organics (Over C28-C36)	<49.6	U	49.6	mg/Kg	12/12/24 09:27	12/12/24 12:43	1
Surrogate	%Recovery 96	Qualifier	Limits		<b>Prepared</b>	Analyzed	Dil Fac
o-Terphenyl	90 73		70 - 130 70 - 130		12/12/24 09:27	12/12/24 12:43	1

	Method: EPA 300.0 - Anions, Ion C	hromatograp	hy - Soluble							
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
L	Chloride	597		50.4		mg/Kg			12/12/24 12:39	5

#### Client Sample ID: FL 04 @ 1' Date Collected: 12/11/24 09:09 Date Received: 12/11/24 15:10 Sample Depth: 2'

Lab Sample ID	890-7458-6
	Matrix: Solid

Analyzed

Method: SW846 8021B - Volatile O	rganic Comp	ounds (GC	)	
Analyte	Result	Qualifier	RL	
Benzene	<0.00198	U	0.00198	

4-Bromofluorobenzene (Surr)	102		70 - 130		12/12/24 09:01	12/12/24 13:54	1
Surrogate	%Recovery	Qualifier	Limits		Prepared	Analyzed	Dil Fac
o-Xylene	<0.00198	U	0.00198	mg/Kg	12/12/24 09:01	12/12/24 13:54	1
	.0.00400		0.00400	0 0	40/40/04 00 04	10/10/01 10 51	
m-Xylene & p-Xylene	<0.00397	U	0.00397	mg/Kg	12/12/24 09:01	12/12/24 13:54	1
Xylenes, Total	<0.00397	U	0.00397	mg/Kg	12/12/24 09:01	12/12/24 13:54	1
Toluene	<0.00198	U	0.00198	mg/Kg	12/12/24 09:01	12/12/24 13:54	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg	12/12/24 09:01	12/12/24 13:54	1
Benzene	<0.00198	U	0.00198	mg/Kg	12/12/24 09:01	12/12/24 13:54	1

MDL Unit

D

Prepared

Eurofins Carlsbad

Dil Fac

Job ID: 890-7458-1

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

# Client Sample ID: FL 04 @ 1'

Date Collected: 12/11/24 09:09 Da

# Lab Sample ID: 890-7458-6

Matrix: Solid

5

ate Received: 12/11/24 15:10	
ample Depth: 2'	

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1,4-Difluorobenzene (Surr)	99		70 - 130				12/12/24 09:01	12/12/24 13:54	
Method: TAL SOP Total BTEX -	Total BTEX Calo	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00397	U	0.00397		mg/Kg			12/12/24 13:54	
Method: SW846 8015 NM - Dies	el Range Organ	ics (DRO) (	GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total TPH	<50.2	U	50.2		mg/Kg			12/12/24 12:59	
- Method: SW846 8015B NM - Die	sel Range Orga	nics (DRO)	(GC)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2		mg/Kg		12/12/24 09:27	12/12/24 12:59	
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		12/12/24 09:27	12/12/24 12:59	
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		12/12/24 09:27	12/12/24 12:59	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1-Chlorooctane	94		70 - 130				12/12/24 09:27	12/12/24 12:59	
o-Terphenyl	74		70 - 130				12/12/24 09:27	12/12/24 12:59	
Method: EPA 300.0 - Anions, lor	n Chromatograp	hy - Solub	le						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Chloride	326		10.0		mg/Kg			12/12/24 12:57	
Client Sample ID: SW 4							Lah Sar	nple ID: 890-	7458-7

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		12/12/24 09:01	12/12/24 14:15	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/12/24 09:01	12/12/24 14:15	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/12/24 09:01	12/12/24 14:15	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/12/24 09:01	12/12/24 14:15	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/12/24 09:01	12/12/24 14:15	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/12/24 09:01	12/12/24 14:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130				12/12/24 09:01	12/12/24 14:15	1
1,4-Difluorobenzene (Surr)	107		70 - 130				12/12/24 09:01	12/12/24 14:15	1

Method: TAL SOP Total BTEX - Tot	al BTEX Calo	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			12/12/24 14:15	1
Method: SW846 8015 NM - Diesel F	Range Organ	ics (DRO) (G	SC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			12/12/24 13:15	1

Eurofins Carlsbad

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

**Client: CDH Consulting** 

Gasoline Range Organics

Diesel Range Organics (Over

Oil Range Organics (Over C28-C36)

Analyte

C10-C28)

Surrogate

o-Terphenyl

Analyte

Chloride

1-Chlorooctane

(GRO)-C6-C10

Project/Site: JACKSON B - 29Y **Client Sample ID: SW 4** 

Date Collected: 12/11/24 09:15

Date Received: 12/11/24 15:10

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

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Result Qualifier

<50.4 U

<50.4 U

<50.4 U

91 70

63.0

Result Qualifier

Qualifier

%Recovery

# **Client Sample Results**

RL

50.4

50.4

50.4

RL

10.1

Limits

70 - 130

70 - 130

MDL Unit

MDL Unit

mg/Kg

mg/Kg

mg/Kg

mg/Kg

D

D

Prepared

12/12/24 09:27

12/12/24 09:27

12/12/24 09:27

Prepared

12/12/24 09:27

12/12/24 09:27

Prepared

Job ID: 890-7458-1

# Lab Sample ID: 890-7458-7

Analyzed

12/12/24 13:15

12/12/24 13:15

12/12/24 13:15

Analyzed

12/12/24 13:15

12/12/24 13:15

Analyzed

12/12/24 13:03

Lab Sample ID: 890-7458-8

Matrix: Solid

Dil Fac

1

1

1

1

Dil Fac

Dil Fac

Matrix: Solid

Date Collected: 12/11/24 09:25 Date Received: 12/11/24 15:10

**Client Sample ID: SW 5** 

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		12/12/24 09:01	12/12/24 14:35	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		12/12/24 09:01	12/12/24 14:35	1
Toluene	<0.00202	U	0.00202		mg/Kg		12/12/24 09:01	12/12/24 14:35	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		12/12/24 09:01	12/12/24 14:35	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		12/12/24 09:01	12/12/24 14:35	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		12/12/24 09:01	12/12/24 14:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130				12/12/24 09:01	12/12/24 14:35	1
1,4-Difluorobenzene (Surr)	107		70 - 130				12/12/24 09:01	12/12/24 14:35	1

	Wethod: TAL SUP Total BTEX - Tot	al BIEX Cald	culation							
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
l	Total BTEX	<0.00404	U	0.00404		mg/Kg			12/12/24 14:35	1

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

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.5	U	50.5		mg/Kg		12/12/24 09:27	12/12/24 13:31	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.5	U	50.5		mg/Kg		12/12/24 09:27	12/12/24 13:31	1
C10-C28)									
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		12/12/24 09:27	12/12/24 13:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130				12/12/24 09:27	12/12/24 13:31	1
o-Terphenyl	69	S1-	70 - 130				12/12/24 09:27	12/12/24 13:31	1

**Eurofins Carlsbad** 

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

Client: CDH Consulting		Clien	t Sample R	esults	5			Job ID: 890	-7458-
Project/Site: JACKSON B - 29Y								000 12:000	1100
Client Sample ID: SW 5							Lab San	nple ID: 890-	7458-
Date Collected: 12/11/24 09:25								Matri	x: Soli
Date Received: 12/11/24 15:10									
Method: EPA 300.0 - Anions, Ion C		-		MD	11-34	-	Duranad	American	D
Analyte		Qualifier		MDL		<u>D</u>	Prepared	Analyzed 12/12/24 13:09	Dil Fa
Chloride	519		9.98		mg/Kg			12/12/24 13:09	
Client Sample ID: FL 05 @ 2'							Lab San	nple ID: 890-	7458-
Date Collected: 12/11/24 11:01								Matri	x: Soli
Date Received: 12/11/24 15:10									
Sample Depth: 2'									
Method: SW846 8021B - Volatile O	rganic Comp	ounds (GC)	)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil F
Benzene	<0.00200	U	0.00200		mg/Kg		12/12/24 08:29	12/12/24 13:00	
Ethylbenzene	0.0226		0.00200		mg/Kg		12/12/24 08:29	12/12/24 13:00	
Toluene	0.0390		0.00200		mg/Kg		12/12/24 08:29	12/12/24 13:00	
Xylenes, Total	0.0854		0.00401		mg/Kg		12/12/24 08:29	12/12/24 13:00	
m-Xylene & p-Xylene	0.0601		0.00401		mg/Kg		12/12/24 08:29	12/12/24 13:00	
o-Xylene	0.0253		0.00200		mg/Kg		12/12/24 08:29	12/12/24 13:00	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil F
4-Bromofluorobenzene (Surr)	114		70 - 130				12/12/24 08:29	12/12/24 13:00	
1,4-Difluorobenzene (Surr)	91		70 - 130				12/12/24 08:29	12/12/24 13:00	
Method: TAL SOP Total BTEX - Tot Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Applyzod	Dil F
Total BTEX	0.147	Quaimer	0.00401		mg/Kg	<u> </u>		Analyzed 12/12/24 13:00	
	0.147		0.00401		mg/rtg			12/12/24 10:00	
Method: SW846 8015 NM - Diesel F	Range Organ	ics (DRO) (	GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	<u>D</u>	Prepared	Analyzed	Dil F
Total TPH	<50.0	U	50.0		mg/Kg			12/12/24 13:47	
Method: SW846 8015B NM - Diese	Range Orga	nics (DRO)	(GC)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil F
Gasoline Range Organics	<50.0		50.0		mg/Kg		12/12/24 09:27	12/12/24 13:47	
(GRO)-C6-C10					0 0				
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		12/12/24 09:27	12/12/24 13:47	
C10-C28) Oil Range Organics (Over C28-C36)	~50.0		50.0		m all a		10/10/04 00:07	10/10/04 10:47	
On Range Organics (Over C26-C30)	<50.0	0	50.0		mg/Kg		12/12/24 09:27	12/12/24 13:47	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil F
1-Chlorooctane	89		70 - 130				12/12/24 09:27	12/12/24 13:47	
o-Terphenyl	68	S1-	70 - 130				12/12/24 09:27	12/12/24 13:47	
Method: EPA 300.0 - Anions, Ion C	hromatogran	hy - Solubl	e						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil F
Chloride	357		10.0		mg/Kg			12/12/24 13:14	
lient Sample ID: FL 08 @ 4'							Lab Sam	ple ID: 890-7	458-1
ate Collected: 12/11/24 09:57								-	x: Sol
ate Received: 12/11/24 15:10								matri	
Sample Depth: 4'									
•		aunda (OO)							
Method: SW846 8021B - Volatile O Analyte		OUNDS (GC) Qualifier	) RL	MDL	Unit	D	Prepared	Analyzed	Dil F
· ····· <b>/ ··</b>	nooult								

Eurofins Carlsbad

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

Job ID: 890-7458-1

Matrix: Solid

5

Lab Sample ID: 890-7458-10

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

#### Client Sample ID: FL 08 @ 4' Date Collected: 12/11/24 09:57

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

Abuilly announce	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
thylbenzene	0.00373		0.00198		mg/Kg		12/12/24 08:29	12/12/24 13:21	1
oluene	0.0116		0.00198		mg/Kg		12/12/24 08:29	12/12/24 13:21	1
ylenes, Total	0.0164		0.00396		mg/Kg		12/12/24 08:29	12/12/24 13:21	1
n-Xylene & p-Xylene	0.0114		0.00396		mg/Kg		12/12/24 08:29	12/12/24 13:21	1
-Xylene	0.00499		0.00198		mg/Kg		12/12/24 08:29	12/12/24 13:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
-Bromofluorobenzene (Surr)	109		70 - 130				12/12/24 08:29	12/12/24 13:21	1
,4-Difluorobenzene (Surr)	96		70 - 130				12/12/24 08:29	12/12/24 13:21	1
Nethod: TAL SOP Total BTEX - 1	Fotal BTEX Cal	culation							
nalyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
otal BTEX	0.0350		0.00396		mg/Kg			12/12/24 13:21	1
Nethod: SW846 8015 NM - Diese	el Range Organ	ics (DRO) (	GC)						
nalyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
otal TPH	70.5		49.7		mg/Kg			12/12/24 11:25	1
Anthony CWRAC ROAFD NM Dis									
Nethod: SW846 8015B NM - Dies Inalyte		Qualifier	(GC) RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.7	U *1	49.7		mg/Kg		12/12/24 09:29	12/12/24 11:25	1
GRO)-C6-C10									
iesel Range Organics (Over	70.5		49.7		mg/Kg		12/12/24 09:29	12/12/24 11:25	1
10-C28)									
0 Dil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		12/12/24 09:29	12/12/24 11:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Chlaragetana	96		70 - 130				12/12/24 09:29	12/12/24 11:25	1
-Chlorooctane	88		70 - 130				12/12/24 09:29	12/12/24 11:25	1
-Terphenyl	00								
		ohy - Solubl	e						
-Terphenyl	Chromatograp	o <mark>hy - Solubl</mark> Qualifier	e RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
-Terphenyl Nethod: EPA 300.0 - Anions, Ion	Chromatograp			MDL	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 12/12/24 13:20	Dil Fac
- <i>Terphenyl</i> Nethod: EPA 300.0 - Anions, Ion Malyte	Chromatograp Result 988		RL	MDL		<u>D</u>			1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	< 0.00202	U	0.00202		mg/Kg		12/12/24 08:29	12/12/24 13:41	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		12/12/24 08:29	12/12/24 13:41	1
Toluene	0.00675		0.00202		mg/Kg		12/12/24 08:29	12/12/24 13:41	1
Xylenes, Total	0.00654		0.00403		mg/Kg		12/12/24 08:29	12/12/24 13:41	1
m-Xylene & p-Xylene	0.00654		0.00403		mg/Kg		12/12/24 08:29	12/12/24 13:41	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		12/12/24 08:29	12/12/24 13:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130				12/12/24 08:29	12/12/24 13:41	1
1,4-Difluorobenzene (Surr)	95		70 - 130				12/12/24 08:29	12/12/24 13:41	1

**Client: CDH Consulting** 

5

# **Client Sample Results**

Job ID: 890-7458-1

Client Sample ID: FL 09 @ 4' Date Collected: 12/11/24 10:21 Date Received: 12/11/24 15:10 Sample Depth: 4'							Lab Sam	ple ID: 890-7 Matri	458-11 ix: Solid
Method: TAL SOP Total BTEX - To	otal BTEX Calo	ulation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0133		0.00403		mg/Kg			12/12/24 13:41	1
- Method: SW846 8015 NM - Diesel	I Range Organ	ics (DRO) (	GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	117		50.3		mg/Kg			12/12/24 12:12	1
- Method: SW846 8015B NM - Dies	el Range Orga	nics (DRO)	(GC)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.3	U *1	50.3		mg/Kg		12/12/24 09:29	12/12/24 12:12	1
(GRO)-C6-C10									
Diesel Range Organics (Over	117		50.3		mg/Kg		12/12/24 09:29	12/12/24 12:12	1
C10-C28)									
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		12/12/24 09:29	12/12/24 12:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane			70 - 130				12/12/24 09:29	12/12/24 12:12	1
o-Terphenyl	99		70 - 130				12/12/24 09:29	12/12/24 12:12	1
_ Method: EPA 300.0 - Anions, Ion	Chromatogran	hv - Solubl	e						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5120	F1	101		mg/Kg			12/12/24 13:26	10
Client Sample ID: FL 10 @ 4'							Lab Sam	ple ID: 890-7	458-12
Date Collected: 12/11/24 10:29									ix: Solid
Date Received: 12/11/24 15:10									
Sample Depth: 4'									
- Method: SW846 8021B - Volatile (	Organic Comp	ounds (GC)							
Analyte		Qualifier	, RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
-							40/40/04 00 00		

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		12/12/24 08:29	12/12/24 14:01	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/12/24 08:29	12/12/24 14:01	1
Toluene	0.00482		0.00201		mg/Kg		12/12/24 08:29	12/12/24 14:01	1
Xylenes, Total	0.00456		0.00402		mg/Kg		12/12/24 08:29	12/12/24 14:01	1
m-Xylene & p-Xylene	0.00456		0.00402		mg/Kg		12/12/24 08:29	12/12/24 14:01	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/12/24 08:29	12/12/24 14:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130				12/12/24 08:29	12/12/24 14:01	1
1,4-Difluorobenzene (Surr)	94		70 - 130				12/12/24 08:29	12/12/24 14:01	1
Method: TAL SOP Total BTEX	- Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00938		0.00402		mg/Kg			12/12/24 14:01	1
- Method: SW846 8015 NM - Die	esel Range Organ	ics (DRO) (	GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			12/12/24 12:28	1

#### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) Result Qualifier Analyte RL MDL Unit D Prepared Analyzed Dil Fac 12/12/24 12:28 Gasoline Range Organics <50.1 U \*1 50.1 12/12/24 09:29 mg/Kg 1 (GRO)-C6-C10

Job ID: 890-7458-1

Lab Sample ID: 890-7458-13

Matrix: Solid

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

# Client Sample ID: FL 10 @ 4'

Date Collected: 12/11/24 10:29 Date Received: 12/11/24 15:10

Sample Depth: 4'

Analyte	Result	Qualifier	RL	MDI	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over	<50.1	U	50.1		mg/Kg		12/12/24 09:29	12/12/24 12:28	1
C10-C28)									
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		12/12/24 09:29	12/12/24 12:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane			70 - 130				12/12/24 09:29	12/12/24 12:28	1
o-Terphenvl	101		70 - 130				12/12/24 09:29	12/12/24 12:28	1

# Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier RL	MDL Ur	nit D	Prepared	Analyzed	Dil Fac
Chloride	4470	50.3		g/Kg		12/12/24 13:44	5

#### Client Sample ID: FL 11 @ 4'

Date Collected: 12/11/24 10:32 Date Received: 12/11/24 15:10

Sample Depth: 4'

Method: SW846 8021B - Volati	ile Organic Comp	ounds (GC	)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		12/12/24 08:29	12/12/24 14:22	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		12/12/24 08:29	12/12/24 14:22	1
Toluene	0.00421		0.00202		mg/Kg		12/12/24 08:29	12/12/24 14:22	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		12/12/24 08:29	12/12/24 14:22	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		12/12/24 08:29	12/12/24 14:22	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		12/12/24 08:29	12/12/24 14:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 _ 130				12/12/24 08:29	12/12/24 14:22	1
1,4-Difluorobenzene (Surr)	95		70 - 130				12/12/24 08:29	12/12/24 14:22	1

Method: TAL SOP Total BTEX - Total BTEX Calculation											
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
l	Total BTEX	0.00421		0.00404		mg/Kg			12/12/24 14:22	1	

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

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U *1	50.4		mg/Kg		12/12/24 09:29	12/12/24 12:43	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		12/12/24 09:29	12/12/24 12:43	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		12/12/24 09:29	12/12/24 12:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130				12/12/24 09:29	12/12/24 12:43	1
o-Terphenyl	100		70 - 130				12/12/24 09:29	12/12/24 12:43	1

		Client	Sample R	esults	;				
Client: CDH Consulting Project/Site: JACKSON B - 29Y								Job ID: 890	)-7458-
Client Sample ID: FL 11 @ 4' Date Collected: 12/11/24 10:32 Date Received: 12/11/24 15:10							Lab Sam	ple ID: 890-7 Matri	458-1 ix: Soli
Sample Depth: 4'									
Method: EPA 300.0 - Anions, Ion Cl	hromatograp	ohy - Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Chloride	2150		50.5		mg/Kg			12/12/24 13:50	
Client Sample ID: FL 12 @ 4'							Lab Sam	ple ID: 890-7	458-1
Date Collected: 12/11/24 10:43								Matri	ix: Soli
Date Received: 12/11/24 15:10									
Sample Depth: 4'									
_ Method: SW846 8021B - Volatile Or	ganic Comp	ounds (GC)							
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00200	U	0.00200		mg/Kg		12/12/24 08:29	12/12/24 14:42	
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/12/24 08:29	12/12/24 14:42	
Toluene	0.00315		0.00200		mg/Kg		12/12/24 08:29	12/12/24 14:42	
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/12/24 08:29	12/12/24 14:42	
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/12/24 08:29	12/12/24 14:42	
o-Xylene	0.00216		0.00200		mg/Kg		12/12/24 08:29	12/12/24 14:42	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	116		70 - 130				12/12/24 08:29	12/12/24 14:42	
1,4-Difluorobenzene (Surr)	97		70 - 130				12/12/24 08:29	12/12/24 14:42	
_ Method: TAL SOP Total BTEX - Tot		sulation							
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	0.00531		0.00399		mg/Kg			12/12/24 14:42	
_ Method: SW846 8015 NM - Diesel F	ango Organ		<b>C</b> )						
Analyte		Qualifier	C) RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total TPH	<50.1		50.1		mg/Kg			12/12/24 12:59	
_									
Method: SW846 8015B NM - Diesel					11		Durante	A	DH 5-
Analyte		Qualifier	RL	MDL		D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics (GRO)-C6-C10	<50.1	0 1	50.1		mg/Kg		12/12/24 09:29	12/12/24 12:59	
Diesel Range Organics (Over	<50.1	U	50.1		mg/Kg		12/12/24 09:29	12/12/24 12:59	
C10-C28)	50.4		50.4						
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		12/12/24 09:29	12/12/24 12:59	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1-Chlorooctane	113		70 - 130				12/12/24 09:29	12/12/24 12:59	
o-Terphenyl	103		70 - 130				12/12/24 09:29	12/12/24 12:59	
_ Method: EPA 300.0 - Anions, Ion Cl	hromatograr								
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Chloride	4230		99.6		mg/Kg			12/12/24 14:08	1
Client Sample ID: SW 08							Lab Sam	ple ID: 890-7	458-1
Date Collected: 12/11/24 10:51							Lus Guill	-	ix: Solie
Date Received: 12/11/24 15:10									
_ Method: SW846 8021B - Volatile Or	anio Com-	oundo (CC)							
WELLOOP SWAAD AUZIN - VOIATHA OF	Danic Comb	ounds (GC)							
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa

Eurofins Carlsbad

# **Client Sample Results**

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

# Client Sample ID: SW 08

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/12/24 08:29	12/12/24 15:03	
Toluene	0.00241		0.00199		mg/Kg		12/12/24 08:29	12/12/24 15:03	
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/12/24 08:29	12/12/24 15:03	
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/12/24 08:29	12/12/24 15:03	
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/12/24 08:29	12/12/24 15:03	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	115		70 - 130				12/12/24 08:29	12/12/24 15:03	
1,4-Difluorobenzene (Surr)	100		70 - 130				12/12/24 08:29	12/12/24 15:03	
Method: TAL SOP Total BTEX -	Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/12/24 15:03	
Method: SW846 8015 NM - Diese	el Range Organ	ics (DRO) (G	C)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total TPH	<49.9	U	49.9		mg/Kg			12/12/24 13:15	
Method: SW846 8015B NM - Die	sel Range Orga	nics (DRO) (	GC)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	49.9		mg/Kg		12/12/24 09:29	12/12/24 13:15	
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/12/24 09:29	12/12/24 13:15	
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/12/24 09:29	12/12/24 13:15	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1-Chlorooctane			70 - 130				12/12/24 09:29	12/12/24 13:15	
o-Terphenyl	99		70 - 130				12/12/24 09:29	12/12/24 13:15	
Method: EPA 300.0 - Anions, Ior	Chromatograp	ohy - Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Chloride	556		49.7		mg/Kg			12/12/24 14:13	
lient Sample ID: SW 09							Lab Sam	ple ID: 890-7	458-10
ate Collected: 12/11/24 11:12								Matri	x: Soli
ate Received: 12/11/24 15:10									
Method: SW846 8021B - Volatile	Organic Comp	ounds (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00200	U	0.00200		mg/Kg		12/12/24 09:18	12/12/24 12:02	

Surrogate	%Recovery	Qualifier	Limits		Prepared	Analyzed	Ľ
o-Xylene	<0.00200	U F1	0.00200	mg/Kg	12/12/24 09:18	12/12/24 12:02	
m-Xylene & p-Xylene	<0.00401	U F1	0.00401	mg/Kg	12/12/24 09:18	12/12/24 12:02	
Xylenes, Total	<0.00401	U F1	0.00401	mg/Kg	12/12/24 09:18	12/12/24 12:02	
Toluene	<0.00200	U	0.00200	mg/Kg	12/12/24 09:18	12/12/24 12:02	
Ethylbenzene	<0.00200	U	0.00200	mg/Kg	12/12/24 09:18	12/12/24 12:02	
Benzene	<0.00200	U	0.00200	mg/Kg	12/12/24 09:18	12/12/24 12:02	

70 - 130

70 - 130

103

99

12/12/24 12:02

12/12/24 12:02

12/12/24 09:18

12/12/24 09:18

Page 92 of 277

Job ID: 890-7458-1

Matrix: Solid

5

Lab Sample ID: 890-7458-15

Eurofins Carlsbad

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

4-Bromofluorobenzene (Surr)

1,4-Difluorobenzene (Surr)

1

1

1

1

1

1

Dil Fac

Job ID: 890-7458-1

Matrix: Solid

5

Lab Sample ID: 890-7458-16

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

#### Client Sample ID: SW 09 Date Collected: 12/11/24 11:12

Date Received: 12/11/24 15:10

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			12/12/24 12:02	1
Method: SW846 8015 NM - Diese	I Range Organ	ics (DRO) (	GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			12/12/24 13:31	1
Method: SW846 8015B NM - Dies	el Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.8	U	49.8		mg/Kg		12/12/24 09:29	12/12/24 13:31	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.8	U	49.8		mg/Kg		12/12/24 09:29	12/12/24 13:31	1
C10-C28)									
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/12/24 09:29	12/12/24 13:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	124		70 - 130				12/12/24 09:29	12/12/24 13:31	1
o-Terphenyl	111		70 - 130				12/12/24 09:29	12/12/24 13:31	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	hv - Solubl	е						
Analyte	• •	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	561		9.98		mg/Kg			12/12/24 14:19	1

# **Client Sample ID: SW 10**

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

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		12/12/24 09:18	12/12/24 12:22	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		12/12/24 09:18	12/12/24 12:22	1
Toluene	<0.00202	U	0.00202		mg/Kg		12/12/24 09:18	12/12/24 12:22	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		12/12/24 09:18	12/12/24 12:22	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		12/12/24 09:18	12/12/24 12:22	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		12/12/24 09:18	12/12/24 12:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	131	S1+	70 - 130				12/12/24 09:18	12/12/24 12:22	1
1,4-Difluorobenzene (Surr)	102		70 - 130				12/12/24 09:18	12/12/24 12:22	1

#### Method: TAL SOP Total BTEX - Total BTEX Calculation Analyte Result Qualifier MDL Unit Dil Fac RL D Prepared Analyzed Total BTEX <0.00403 U 0.00403 12/12/24 12:22 mg/Kg 1 Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/12/24 13:47	1
Method: SW846 8015B NM - Die	sel Range Orga	nics (DRO) (C	GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		12/12/24 09:29	12/12/24 13:47	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		12/12/24 09:29	12/12/24 13:47	1
C10-C28)									

# **Client Sample Results**

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

# Client Sample ID: SW 10

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

# Lab Sample ID: 890-7458-17

Matrix: Solid

5

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/12/24 09:29	12/12/24 13:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130				12/12/24 09:29	12/12/24 13:47	1
o-Terphenyl	102		70 - 130				12/12/24 09:29	12/12/24 13:47	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	ohy - Solubl	e						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	629		9.96		mg/Kg			12/12/24 14:25	1

Eurofins Carlsbad

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

DFBZ1

(70-130)

90

107

104

103

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

Lab Sample ID

890-7458-2 MS

890-7458-2 MSD

890-7458-1

890-7458-2

#### Method: 8021B - Volatile Organic Compounds (GC) Matrix: Solid

SW 11

SW 13

SW 13

SW 13

**Client Sample ID** 

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

108

116

103

106

98

115

110

111

119

210 S1+

99

97

99

103

96 102

97

103 88

116

BFB1

(70-130)

102

113

109

109

#### Surrogate Legend

LCS 880-97682/1-A

LCS 880-97685/1-A

LCSD 880-97671/2-A

LCSD 880-97681/2-A

LCSD 880-97682/2-A

LCSD 880-97685/2-A

MB 880-97671/5-A

MB 880-97681/5-A

MB 880-97682/5-A

MB 880-97685/5-A

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Lab Control Sample

Lab Control Sample

Lab Control Sample Dup

Lab Control Sample Dup

Lab Control Sample Dup

Lab Control Sample Dup

Method Blank

Method Blank

Method Blank

Method Blank

#### Matrix: Solid

				Percent Surrogate Recovery (Acceptance Limits
		1CO1	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
90-7458-1	SW 11	89	79	·
90-7458-2	SW 13	102	78	
390-7458-2 MS	SW 13	89	77	
90-7458-2 MSD	SW 13	89	76	
390-7458-3	SW 12	96	76	
90-7458-4	SW 14	94	73	

Prep Type: Total/NA

Job ID: 890-7458-1

6

Page 95 of 277

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

# **Eurofins Carlsbad**

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

Job ID: 890-7458-1

Prep Type: Total/NA

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

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

Matrix: Solid

		1CO1	OTPH1	Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)		
890-7458-5	FL 03 @ 1'	96	73		
890-7458-6	FL 04 @ 1'	94	74		0
890-7458-7	SW 4	91	70		6
890-7458-8	SW 5	90	69 S1-		
890-7458-9	FL 05 @ 2'	89	68 S1-		
890-7458-10	FL 08 @ 4'	96	88		
890-7458-10 MS	FL 08 @ 4'	114	110		6
890-7458-10 MSD	FL 08 @ 4'	114	110		
890-7458-11	FL 09 @ 4'	110	99		g
890-7458-12	FL 10 @ 4'	110	101		
890-7458-13	FL 11 @ 4'	109	100		
890-7458-14	FL 12 @ 4'	113	103		
890-7458-15	SW 08	111	99		
890-7458-16	SW 09	124	111		
890-7458-17	SW 10	113	102		
LCS 880-97669/2-A	Lab Control Sample	119	97		
LCS 880-97693/2-A	Lab Control Sample	119	109		
LCS 880-97696/2-A	Lab Control Sample	97	97		
LCSD 880-97669/3-A	Lab Control Sample Dup	116	93		
LCSD 880-97693/3-A	Lab Control Sample Dup	109	97		
LCSD 880-97696/3-A	Lab Control Sample Dup	110	109		
MB 880-97669/1-A	Method Blank	88	79		
MB 880-97693/1-A	Method Blank	91	75		
MB 880-97696/1-A	Method Blank	104	98		

Surrogate Legend

1CO = 1-Chlorooctane OTPH = o-Terphenyl

Lab Sample ID: MB 880-97671/5-A

# **QC Sample Results**

Matrix: Solid

Analyte Benzene Ethylbenzene Toluene Xylenes, Total m-Xylene & p-Xylene

o-Xylene

Analysis Batch: 97674

# Method: 8021B - Volatile Organic

c Compo	ounds (GC	C)							
						Client Sa	mple ID: Metho Prep Type: 1	Fotal/NA	4
мв	МВ						Prep Batch	1:9/6/1	5
Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
<0.00200	U	0.00200		mg/Kg		12/12/24 08:29	12/12/24 11:37	1	
<0.00200	U	0.00200		mg/Kg		12/12/24 08:29	12/12/24 11:37	1	
<0.00200	U	0.00200		mg/Kg		12/12/24 08:29	12/12/24 11:37	1	7
<0.00400	U	0.00400		mg/Kg		12/12/24 08:29	12/12/24 11:37	1	_
<0.00400	U	0.00400		mg/Kg		12/12/24 08:29	12/12/24 11:37	1	9
<0.00200	U	0.00200		mg/Kg		12/12/24 08:29	12/12/24 11:37	1	U

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

#### Lab Sample ID: LCS 880-97671/1-A Matrix: Solid

#### Analysis Batch: 97674

	Spike	LCS L	_CS			%Rec	
Analyte	Added	Result C	Qualifier Uni	t C	) %Rec	Limits	
Benzene	0.100	0.1150	mg	Kg	115	70 - 130	
Ethylbenzene	0.100	0.1018	mg	Kg	102	70 - 130	
Toluene	0.100	0.1087	mg	Kg	109	70 - 130	
m-Xylene & p-Xylene	0.200	0.2174	mg	Kg	109	70 - 130	
o-Xylene	0.100	0.1085	mg	Kg	109	70 - 130	

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

#### Lab Sample ID: LCSD 880-97671/2-A

# Matrix: Solid

Analysis Batch: 97674							Prep Batch: 9767		
	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.1104		mg/Kg		110	70 - 130	4	35
Ethylbenzene	0.100	0.09888		mg/Kg		99	70 - 130	3	35
Toluene	0.100	0.1049		mg/Kg		105	70 - 130	4	35
m-Xylene & p-Xylene	0.200	0.2114		mg/Kg		106	70 - 130	3	35
o-Xylene	0.100	0.1055		mg/Kg		106	70 - 130	3	35

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

#### Lab Sample ID: MB 880-97681/5-A Matrix: Solid

#### Analysis Batch: 97664

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

**Eurofins Carlsbad** 

**Client Sample ID: Lab Control Sample** 

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Type: Total/NA

Prep Batch: 97671

Job ID: 890-7458-1

# Prep Batch: 97681

Prep Type: Total/NA

**Client Sample ID: Method Blank** 

Lab Sample ID: MB 880-97681/5-A

# **QC Sample Results**

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

--- ---

Page 98 of 277

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

**Client Sample ID: Lab Control Sample** 

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Type: Total/NA

#### Matrix: Solid Analysis Batch: 97664

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	<0.00200	U	0.00200		mg/Kg		12/12/24 09:01	12/12/24 11:09	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/12/24 09:01	12/12/24 11:09	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/12/24 09:01	12/12/24 11:09	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/12/24 09:01	12/12/24 11:09	1
	МВ	MB							
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130				12/12/24 09:01	12/12/24 11:09	1
1,4-Difluorobenzene (Surr)	103		70 - 130				12/12/24 09:01	12/12/24 11:09	1

#### Lab Sample ID: LCS 880-97681/1-A Matrix: Solid

Analysis Batch: 97664							Prep	Batch: 97681
	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.1235		mg/Kg		123	70 - 130	
Ethylbenzene	0.100	0.1174		mg/Kg		117	70 - 130	
Toluene	0.100	0.1192		mg/Kg		119	70 - 130	
m-Xylene & p-Xylene	0.200	0.2392		mg/Kg		120	70 - 130	
o-Xylene	0.100	0.1222		mg/Kg		122	70 - 130	

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

# Lab Sample ID: LCSD 880-97681/2-A Matrix: Solid

#### Analysis Batch: 97664

Analysis Batch: 97664							Prep	Batch:	97681
	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.1186		mg/Kg		119	70 - 130	4	35
Ethylbenzene	0.100	0.1137		mg/Kg		114	70 - 130	3	35
Toluene	0.100	0.1155		mg/Kg		115	70 - 130	3	35
m-Xylene & p-Xylene	0.200	0.2315		mg/Kg		116	70 - 130	3	35
o-Xylene	0.100	0.1183		mg/Kg		118	70 - 130	3	35

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

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

Analysis Batch: 97664									Prep	Batch:	97681
	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Benzene	<0.00200	U	0.101	0.1051		mg/Kg		104	70 - 130		
Ethylbenzene	<0.00200	U	0.101	0.09915		mg/Kg		98	70 - 130		
Toluene	<0.00200	U	0.101	0.1018		mg/Kg		101	70 - 130		
m-Xylene & p-Xylene	<0.00401	U	0.202	0.2024		mg/Kg		100	70 - 130		

**Eurofins Carlsbad** 

Client Sample ID: SW 13

Prep Type: Total/NA

MS MS

MSD MSD

0.1154

0.1095

0.1122

0.2227

0.1139

Result Qualifier

Qualifier

Unit

Unit

mg/Kg

mg/Kg

mg/Kg

mg/Kg

mg/Kg

mg/Kg

Result

0.1038

Spike

Added

0.101

Limits

70 - 130 70 - 130

Spike

Added

0.0998

0.0998

0.0998

0.200

0.0998

Limits

70 - 130

70 - 130

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

Lab Sample ID: 890-7458-2 MS

Analysis Batch: 97664

4-Bromofluorobenzene (Surr)

Analysis Batch: 97664

Lab Sample ID: 890-7458-2 MSD

1,4-Difluorobenzene (Surr)

Matrix: Solid

Analyte

o-Xylene

Surrogate

Matrix: Solid

Analyte

Benzene

Toluene

o-Xylene

Surrogate

Ethylbenzene

m-Xylene & p-Xylene

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

Sample Sample

U

МS MS %Recovery

Qualifier

Qualifier

Result

109

104

Sample Sample

<0.00200

<0.00200

< 0.00200

< 0.00401

< 0.00200

%Recovery

**Result Qualifier** 

U

U

U

U

U

Qualifier

88

MSD MSD

109

103

<0.00200

Job ID: 890-7458-1

**Client Sample ID: SW 13** 

%Rec

Limits

70 - 130

70 - 130

70 - 130

70 - 130

70 - 130

%Rec

%Rec

116

110

112

112

114

D

103

D

Prep Type: Total/NA

Prep Batch: 97681

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

%Rec RPD Limits RPD Limit 70 - 130 9 35

10

10

10

9

35

35

35

35

1

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

12/12/24 11:01

Prep Type: Total/NA

Prep Batch: 97682

**Client Sample ID: Lab Control Sample** 

MB MB Result Qualifier MDL Unit Dil Fac RL D Prepared Analyte Analyzed Benzene < 0.00200 0.00200 12/12/24 09:12 12/12/24 11:01 U mg/Kg Ethylbenzene <0.00200 U 0.00200 12/12/24 09:12 12/12/24 11:01 mg/Kg 1 Toluene <0.00200 U 0.00200 mg/Kg 12/12/24 09:12 12/12/24 11:01 1 Xylenes, Total <0.00400 U 0.00400 mg/Kg 12/12/24 09:12 12/12/24 11:01 1 m-Xylene & p-Xylene <0.00400 U 0.00400 mg/Kg 12/12/24 09:12 12/12/24 11:01 1 o-Xylene <0.00200 U 0.00200 mg/Kg 12/12/24 09:12 12/12/24 11:01 1 MB MB Qualifier Surrogate %Recovery Limits Prepared Analyzed Dil Fac 4-Bromofluorobenzene (Surr) 119 70 - 13012/12/24 09:12 12/12/24 11:01 1

70 - 130

#### Lab Sample ID: LCS 880-97682/1-A Matrix: Solid

#### Analysis Batch: 97662

1,4-Difluorobenzene (Surr)

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

**Eurofins Carlsbad** 

12/12/24 09:12

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

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

4-Bromofluorobenzene (Surr)

1,4-Difluorobenzene (Surr)

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

Lab Sample ID: LCS 880-97682/1-A

# **QC Sample Results**

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

Matrix: Solid

Surrogate

Analysis Batch: 97662

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

LCS LCS

MB MB

%Recovery Qualifier

4-Bromofluorobenzene (Surr)	108		70 - 130								
1,4-Difluorobenzene (Surr)	99		70 _ 130								
_ Lab Sample ID: LCSD 880-9	7682/2-A					Clie	nt Sam	ple ID:	Lab Contro	l Sampl	e Dup
Matrix: Solid								· · · ·	Prep 1	Type: To	tal/NA
Analysis Batch: 97662									Prep	Batch:	97682
-			Spike	LCSD	LCSD				%Rec		RPD
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene			0.100	0.1146		mg/Kg		115	70 - 130	4	35
Ethylbenzene			0.100	0.1104		mg/Kg		110	70 - 130	5	35
Toluene			0.100	0.1085		mg/Kg		108	70 - 130	5	35
m-Xylene & p-Xylene			0.200	0.2217		mg/Kg		111	70 - 130	5	35
o-Xylene			0.100	0.1125		mg/Kg		112	70 - 130	5	35
	LCSD	LCSD									
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	98		70 - 130								
1,4-Difluorobenzene (Surr)	96		70 - 130								

Limits

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

Analyte	Result	Qualifier	RL	MDL (	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	i	mg/Kg		12/12/24 09:18	12/12/24 11:33	1
Ethylbenzene	<0.00200	U	0.00200	ı	mg/Kg		12/12/24 09:18	12/12/24 11:33	1
Toluene	<0.00200	U	0.00200	ı	mg/Kg		12/12/24 09:18	12/12/24 11:33	1
Xylenes, Total	<0.00400	U	0.00400	1	mg/Kg		12/12/24 09:18	12/12/24 11:33	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	ı	mg/Kg		12/12/24 09:18	12/12/24 11:33	1
o-Xylene	<0.00200	U	0.00200	ı	mg/Kg		12/12/24 09:18	12/12/24 11:33	1
	MB	МВ							
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	210	S1+	70 - 130				12/12/24 09:18	12/12/24 11:33	1
1,4-Difluorobenzene (Surr)	116		70 - 130				12/12/24 09:18	12/12/24 11:33	1

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

			Spike	LCS	LCS				%Rec	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene			0.100	0.1095		mg/Kg		109	70 - 130	
Ethylbenzene			0.100	0.1043		mg/Kg		104	70 - 130	
Toluene			0.100	0.1074		mg/Kg		107	70 - 130	
m-Xylene & p-Xylene			0.200	0.2569		mg/Kg		128	70 - 130	
o-Xylene			0.100	0.1285		mg/Kg		129	70 - 130	
	LCS	LCS								
Surrogate	%Recovery	Qualifier	Limits							
4-Bromofluorobenzene (Surr)	116		70 - 130							

Prep Type: Total/NA

Prep Batch: 97682

**Client Sample ID: Lab Control Sample** 

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

**Client Sample ID: Lab Control Sample** 

Prep Type: Total/NA

Prep Batch: 97685

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

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

Lab Sample ID: LCS 880-97 Matrix: Solid	685/1-A						Client	Sampl	e ID: Lab Co Prep 1	ontrol S Type: To	
Analysis Batch: 97700										Batch:	
	LCS	LCS									
Surrogate	%Recovery	Qualifier	Limits								
1,4-Difluorobenzene (Surr)	97		70 - 130								
_ Lab Sample ID: LCSD 880-9	7685/2-A					Clie	nt Sam	nole ID:	Lab Contro	l Sampl	e Dup
Matrix: Solid										ype: To	
Analysis Batch: 97700										Batch:	
·			Spike	LCSD	LCSD				%Rec		RPD
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene			0.100	0.1063		mg/Kg		106	70 - 130	3	35
Ethylbenzene			0.100	0.1029		mg/Kg		103	70 - 130	1	35
Toluene			0.100	0.1127		mg/Kg		113	70 - 130	5	35
m-Xylene & p-Xylene			0.200	0.2511		mg/Kg		126	70 - 130	2	35
o-Xylene			0.100	0.1264		mg/Kg		126	70 - 130	2	35
	LCSD	LCSD									
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)			70 - 130								
1,4-Difluorobenzene (Surr)	102		70 - 130								
Lab Sample ID: 890-7458-16	6 MS								Client Sam	ple ID:	SW 09
Matrix: Solid									Prep 1	Type: To	tal/NA
Analysis Batch: 97700									Prep	Batch:	97685
	Sample	Sample	Spike	MS	MS				%Rec		
Analyte		Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Benzene	<0.00200		0.101	0.1007		mg/Kg		100	70 - 130		
Ethylbenzene	<0.00200	U	0.101	0.09455		mg/Kg		94	70 - 130		
Toluene	<0.00200	U	0.101	0.1003		mg/Kg		99	70 - 130		
m-Xylene & p-Xylene	<0.00401	U F1	0.202	0.2224		mg/Kg		110	70 - 130		
o-Xylene	<0.00200	U F1	0.101	0.1202		mg/Kg		119	70 - 130		
	MS	MS									
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	114		70 - 130								
1,4-Difluorobenzene (Surr)	104		70 - 130								
- Lab Sample ID: 890-7458-16	S MSD								Client Sam	ple ID:	SW 09
Matrix: Solid										· Type: To	
Analysis Batch: 97700										Batch:	
-	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00200	U	0.0998	0.09888		mg/Kg		99	70 - 130	2	35
Ethylbenzene	<0.00200	U	0.0998	0.07749		mg/Kg		78	70 - 130	20	35
Toluene	<0.00200	U	0.0998	0.1003		mg/Kg		100	70 - 130	0	35
m-Xylene & p-Xylene	<0.00401	U F1	0.200	0.2799	F1	mg/Kg		140	70 - 130	23	35
o-Xylene	<0.00200	U F1	0.0998	0.1517	F1	mg/Kg		152	70 - 130	23	35
	MSD	MSD									
Surrogate	%Recovery		Limits								
-	150	S1+	70 - 130								
4-Bromofluorobenzene (Surr)	159	3/+	10 - 130								

Job ID: 890-7458-1

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

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

 Lab Sample ID: MB 880-97669/1	-A											Client Sa	mple ID: Meth	od	Blank
Matrix: Solid													Prep Type:	Tot	al/NA
Analysis Batch: 97688													Prep Bate		
		ΜВ	МВ												
Analyte	Re	esult	Qualifier		RL		MDL	Unit		D	P	repared	Analyzed		Dil Fac
Gasoline Range Organics	<	50.0	U		50.0			mg/Kg	3	_	12/1	2/24 08:17	12/12/24 09:28		1
(GRO)-C6-C10									-						
Diesel Range Organics (Over	<	50.0	U		50.0			mg/Kg	9		12/1	2/24 08:17	12/12/24 09:28		1
C10-C28) Oil Range Organics (Over C28-C36)	<	50.0	U		50.0			mg/Kg	3		12/1	2/24 08:17	12/12/24 09:28		1
		ΜВ	МВ												
Surrogate	%Reco	very	Qualifier	Limi	its						P	repared	Analyzed		Dil Fac
1-Chlorooctane		88		70 -	130						12/1	2/24 08:17	12/12/24 09:28		1
o-Terphenyl		79		70 -	130						12/1	2/24 08:17	12/12/24 09:28		1
Lab Sample ID: LCS 880-97669/2	2-A									С	lient	Sample	ID: Lab Contro	ol Sa	ample
Matrix: Solid													Prep Type:		
Analysis Batch: 97688													Prep Bate		
				Spike		LCS	LCS						%Rec		
Analyte				Added		Result			Unit		D	%Rec	Limits		
Gasoline Range Organics				1000		1179	Qua					118	70 - 130		
(GRO)-C6-C10				1000		1179			mg/Kg			110	70 - 130		
Diesel Range Organics (Over				1000		928.2			mg/Kg			93	70 - 130		
C10-C28)				1000		320.2			mg/itg			30	70 - 100		
010-020)															
	LCS	LCS													
Surrogate	%Recovery	Qua	lifier	Limits											
1-Chlorooctane	119			70 - 130											
o-Terphenyl	97			70 - 130											
Lab Sample ID: LCSD 880-97669	)/3-A								Cli	ent	Sam	ple ID: La	ab Control Sa	nple	e Dup
Matrix: Solid												-	Prep Type:		
Analysis Batch: 97688													Prep Bate		
				Spike		LCSD	LCS	D					%Rec		RPD
Analyte				Added		Result			Unit		D	%Rec		PD	Limit
Gasoline Range Organics	<u> </u>			1000		1179	Quu					118	70 - 130	0	20
(GRO)-C6-C10				1000		1179			mg/Kg			110	70 - 150	0	20
Diesel Range Organics (Over				1000		895.4			mg/Kg			90	70 - 130	4	20
C10-C28)				1000		000.4			ilig/itg			50	10 - 100	-	20
0.00020)															
	LCSD	LCS	D												
Surrogate	%Recovery	Qua	lifier	Limits											
1-Chlorooctane	116			70 - 130											
o-Terphenyl	93			70 - 130											
Lab Sample ID: MB 880-97693/1	-A											<b>Client Sa</b>	mple ID: Meth	od l	Blank
Matrix: Solid													Prep Type:		
Analysis Batch: 97676													Prep Bate		
		ΜВ	МВ												
Analyte	R		Qualifier		RL		мп	Unit		D	P	repared	Analyzed		Dil Fac
Gasoline Range Organics		50.0			50.0			mg/Kg		_		2/24 09:26	12/12/24 09:28		1
(GRO)-C6-C10		50.0	0		00.0			ing/it(	1		12/1	L, Z-7 03.20	12112127 03.20		I
Diesel Range Organics (Over	<	50.0	U		50.0			mg/Kg	a a a a a a a a a a a a a a a a a a a		12/1	2/24 09:26	12/12/24 09:28		1
C10-C28)								3							

12/12/24 09:28

12/12/24 09:26

Job ID: 890-7458-1

Oil Range Organics (Over C28-C36)

50.0

mg/Kg

<50.0 U

1

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

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

1-Chorosoctane         51         70.130         12/12/24 09:26	Lab Sample ID: MB 880-97693/1- Matrix: Solid	-A							Client	Sample ID:   Prep 1	Method Type: To	
Surrogate         %Recovery         Qualifier         Limits         Prepared         Analyzed         I           1-Chlorooctane         91         70.130         12/12/24 09.26	Analysis Batch: 97676									Prep	Batch:	97693
Surrogate         'iffecovery         Qualifier         Limits         Prepared         Analyzed         I           1-Charocottane         91         70.130         12/12/24 09.26			MB MB									
1-Chlorooctane         51         70.130         12/12/24 09:26	Surrogate	%Reco		er Limits				P	Prepared	Analyz	ed	Dil Fa
b-Tephenyl         75         70.130         12/12/24.09:26         12/12/24.09:26           Lab Sample ID: LCS 880-97693/2-A Matrix: Solid Analysis Batch: 97676         Client Sample ID: Lab Control Sa Prep Batch: 97676           Analysis Batch: 97676         Spike         LCS LCS         Wree           Analysis Batch: 97676         Spike         LCS LCS         Wree           Cilent Sample Organics (GNO)-C6-C10         1000         1222         mg/kg         122         70 - 130           Diesel Range Organics (GNO)-C6-C10         SrRecovery 0 Cualifier         Limits         1000         1099         mg/kg         110         70 - 130           Chorocatane         119         70 - 130         Client Sample ID: Lab Control Sample Prep Type: Tot Prep Batch: 97676         Prep Type: Tot Prep Batch: 97676           Lab Sample ID: LCSD 880-97693/3-A Matrix: Solid Analysis Batch: 97676         Spike         LCSD         LCSD         LCSD         LCSD         LCSD         EVEN         Prep Type: Tot Prep Batch: 97676           Surogate         5/Recovery         Qualifier         1000         1156         mg/kg         116         70 - 130         6           GRO)-Ge-C10         Diesel Range Organics (GNO)-Ge-C10         5/Recovery         Qualifier         Limits         Prep Type: Tot Prep Batch: 9         70 - 130					_				-			2
Lab Sample ID: LCS 880-97693/2-A       Client Sample ID: Lab Control Sample ID: Sample ID: Lab Control Sample ID: Lab Control Sample ID: Sample ID: Sample ID: Sample												
Matrix: Solid Analysis Batch: 97676     Prep Type: Tot Prep Batch: 97676       Analyte     Added     Resuit     Qualifier     Unit     D     %Rec       Gasoline Range Organics (GRO)-C6-C10     1000     1222     mg/Kg     122     70 - 130       Diesel Range Organics (GRO)-C6-C10     LCS     LCS     LCS     LCS     LCS       Surrogate     %Recovery     Qualifier     Limits     -       1-Chirococtane     119     70 - 130     -       o-Terphenyl     109     70 - 130     -       Lab Sample ID: LCSD 880-97693/3-A Matrix: Solid     Added     Result     Qualifier     Vikeo       Analysis Batch: 97676     Spike     LCSD     LCSD     KRec     Limits       Analysis Batch: 97676     Added     Result     Qualifier     Unit     D     %Rec       Spike     LCSD     LCSD     LCSD     KRec     Limits     -       Gasoline Range Organics (Over     1000     1003     mg/Kg     100     70 - 130       Surrogate     %Recvery     Qualifier     Limits     -     -       I-Chirocotare     199     70 - 130     -     -     -       Surrogate     %Recvery     Qualifier     Limits     -     -       I-Chi												
Analysis Batch: 97676         Prep Batch: 9         Prep Batch: 9         %Rec         %Kec         %Kec <td>Lab Sample ID: LCS 880-97693/2</td> <td>2-A</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Client</td> <td>t Sampl</td> <td>e ID: Lab Co</td> <td>ontrol S</td> <td>ample</td>	Lab Sample ID: LCS 880-97693/2	2-A						Client	t Sampl	e ID: Lab Co	ontrol S	ample
Spike Analyte Gasoline Range Organics (GRO, O-G-C10 Diesel Range Organics (Over C10-C28)         LCS LCS LCS LCS LCS LCS LCS LCS LCS LCS	Matrix: Solid									Prep 1	ype: To	otal/N/
Analyte         Added         Result         Qualifier         Unit         D         %Rec         Limits           Gasoline Range Organics (GRO)-GC-10 Diesel Range Organics (Over         1000         1099         mg/Kg         110         70 - 130           CHO-C28)         LCS         LCS         LCS         Junits         70 - 130           surrogate         %Recovery         Qualifier         Limits         70 - 130           o-Terphenyl         109         70 - 130         70 - 130           c-Terphenyl         109         70 - 130         70 - 130           Lab Sample ID: LCSD 880-97693/3-A         Client Sample ID: Lab Control Sample         Prep Type: Tot Prep Batch: 9           Analysis Batch: 97676         Added         Result         Qualifier         Unit         D         %Rec           Spike         LCSD         LCSD         LCSD         LCSD         LCSD         LCSD         Marky         Nalysis         100         70 - 130         9           Gasoline Range Organics         Marky         Qualifier         Limits         70 - 130         9         70 - 130         9           Surrogate         KESD         LCSD         LCSD         Surrogate         Surogate         Surogate         Surog	Analysis Batch: 97676									Prep	Batch:	97693
Gasoline Range Organics (GRC)-C6-C10         1000         1222         mg/Kg         122         70 - 130           Desel Range Organics (Over C10-C28)         LCS         LCS         LCS         1000         1099         mg/Kg         110         70 - 130           Surrogate         %Recovery 109         Qualifier         Limits         1000         1099         mg/Kg         110         70 - 130           Lab Sample ID: LCSD 880-97693/3-A         Matrix: Solid         Prep Type: Tot Prep Batch: 9         Prep Type: Tot Prep Batch: 9           Analyte         Added         Result         Qualifier         Unit         Prep Type: Tot Prep Batch: 9           G(GRO)-Ge-C10         1000         1000         1003         mg/Kg         100         70 - 130           Diesel Range Organics (GRO)-Ge-C10         LCSD         LCSD         LCSD         LCSD         LCSD         KRec           Surrogate         Kecovery         Qualifier         Limits         Mg/Kg         100         70 - 130         9           C10-C28)         LCSD         LCSD         LCSD         S         Prep Type: Tot Prep Type: Tot           Surrogate         LCSD         LCSD         LCSD         S         Prep Type: Tot         Tot 130         9				Spike	LCS	LCS				%Rec		
GRO)-C6-C10         Initial control contrene control control contrene control control control	Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits		
Diesel Range Organics (Over C10-C28)         LCS LCS         LCS LCS         Limits           0:00         1099         mg/Kg         110         70 - 130           LCS         LCS         Limits         Prop 70 - 130         Client Sample ID: Lab Control Sample Prep Type: Tot Prep Batch: 97676           Analyte         Added         Result         Qualifier         Unit         D         %Rec Prep Type: Tot Prep Batch: 97676           Surrogate         %Recovery         Added         Result         Qualifier         Unit         D         %Rec VRec         %Rec Prep Type: Tot Prep Batch: 976           Surrogate         %Recovery         Qualifier         1000         11003         mg/Kg         100         70 - 130         6           Surrogate         %Recovery         Qualifier         Limits         No         70 - 130         9           Choicoctane         109         70 - 130         1000         1003         mg/Kg         100         70 - 130         9           Cloc280         LCSD         LCSD         LCSD         Second         No         70 - 130         9           Surrogate         %Recovery         Qualifier         Limits         Prep Type: To         Prep Type: To         Prep Type: To         Prep Type:				1000	1222		mg/Kg		122	70 - 130		
LCS       LCS       LCS         Surrogate       %Recovery       Qualifier       Limits         1-Chorozotane       119       70.130         c-Terphenyl       109       70.130         Lab Sample ID: LCSD 880-97693/3-A       Client Sample ID: Lab Control Sample Matrix: Solid         Analysis Batch: 97676       Spike       LCSD         Analyte       Added       Result       Qualifier         (RO)-CE-C10       1000       1156       mg/Kg       116       70.130         Surrogate       %Recovery       Qualifier       Unit       D       %Rec       Wrec         Cloc28)       LCSD       LCSD       LCSD       Spike       RPD       116       70.130       6         Surrogate       %Recovery       Qualifier       Limits       1000       1003       mg/Kg       100       70.130       9         Cloc28)       LCSD       LCSD       Spike       Spike<	( )											
LCS       LCS         Surrogate       %Recovery       Qualifier       Limits         1-Chlorooctane       119       70 - 130         o-Terphenyl       109       70 - 130         Lab Sample ID: LCSD 880-97693/3-A       Client Sample ID: Lab Control Sample         Matrix: Solid       Prep Type: Tot         Analyte       Added       Result       Qualifier       Unit       D       %Rec         Gasoline Range Organics (GVer       1000       1000       1156       mg/Kg       D       %Rec         Client Sample ID: LCSD       LCSD       KRec       KRec       KRec       KRec         Gasoline Range Organics (Over       1000       1003       mg/Kg       100       70 - 130       6         Surrogate       %Recovery       Qualifier       Limits       70 - 130       9       70 - 130       9         Chlorooctane       109       70 - 130       70 - 130       70 - 130       9       Prep Type: Tot         Lab Sample ID: 890-7458-2 MS       Matrix: Solid       Landlysis Batch: 97676       Prep Type: Tot       Prep Type: Tot         Analysis Batch: 97676       Sample       Sample       Spike       MS       MS       MS       Kec         Clien				1000	1099		mg/Kg		110	70 - 130		
Surrogate       %Recovery       Qualifier       Limits         1-Chlorooctane       119       70 - 130         o-Terphenyl       109       70 - 130         Lab Sample ID: LCSD 880-97693/3-A       Client Sample ID: Lab Control Sample         Matrix: Solid       Prep Type: Tot         Analysis Batch: 97676       Spike       LCSD         Analyte       Added       Result       Qualifier       Unit       D       %Rec         Gasoline Range Organics (GRO)-C6-C10       1000       1156       mg/Kg       100       70 - 130       6         Diesel Range Organics (Over C10-C28)       1000       1003       mg/Kg       100       70 - 130       9         Surrogate       %Recovery       Qualifier       Limits       1000       1003       mg/Kg       100       70 - 130       9         C10-C28)       LCSD       LCSD       Surrogate       %Recovery       Qualifier       Limits         1-Chiorooctane       109       70 - 130       70 - 130       70 - 130       9         Lab Sample ID: 890-7458-2 MS       Client Sample ID: S       Prep Type: Tot       Prep Type: Tot         Matrix: Solid       Sample       Spike       MS       MS       MS       %Rec	C10-C28)											
1-Chiorooctane       119       70.130         o-Terphenyi       109       70.130         Lab Sample ID: LCSD 880-97693/3-A       Client Sample ID: Lab Control Sample         Matrix: Solid       Prep Type: Tot         Analysis Batch: 97676       Prep Batch: 9         Analyte       Added       Result       Qualifier       Unit       D       %Rec         Gasoline Range Organics (Over       1000       1003       mg/Kg       100       70.130       6         Cloor C2C8)       LCSD       LCSD       LCSD       LCSD       LCSD       LCSD       LCSD       LCSD       1000       1003       mg/Kg       100       70.130       9         Surrogate       %Recovery       Qualifier       Limits       70.130       70.130       9         1-Chiorooctane       109       70.130       70.130       Prep Type: Tot       Prep Type: Tot         Analyte       Sample       Sample       Sample       Spike       MS       MS       MS         Analyte       Gasoline Range Organics       49.9       U       1010       954.5       Writ       D       %Rec         Libid       Gasoline Range Organics       <49.9		LCS	LCS									
a-Terphenyl       109       70.130         Lab Sample ID: LCSD 880-97693/3-A Matrix: Solid Analysis Batch: 97676       Client Sample ID: Lab Control Sample Prep Type: Tot Prep Batch: 97676         Analyte	Surrogate	%Recovery	Qualifier	Limits								
Lab Sample ID: LCSD 880-97693/3-A       Client Sample ID: Lab Control Sample         Matrix: Solid       Prep Type: Tot         Analysis Batch: 97676       Prep Batch: 9         Analyte       Added       Result       Qualifier       Unit       D       %Rec         Gasoline Range Organics (GRO)-C6-C10       1000       1156       mg/Kg       116       70 - 130       6         Diesel Range Organics (Over C10-C28)       1000       1003       mg/Kg       100       70 - 130       9         Surrogate       %Recovery       Qualifier       Limits       100       70 - 130       9         Client Sample ID: 890-7458-2 MS       Client Sample Sample       Spike       MS       MS       Prep Type: Tot         Analyte       Sample Sample Sample       Spike       MS       MS       WRec       Prep Type: Tot         Analyte       Result       Qualifier       Limits       Prep Type: Tot       Prep Type: Tot       Prep Type: Tot         Analyte       Sample Sample       Spike       MS       MS       MS       WRec       WRec         Gasoline Range Organics       <49.9	1-Chlorooctane	119		70 - 130								
Matrix: Solid Analysis Batch: 97676     Prep Type: Tot Prep Batch: 97676       Analyte     Added     Result     Qualifier     Unit     D     %Rec       Analyte     Added     Result     Qualifier     Unit     D     %Rec       Gasoline Range Organics (Over     1000     1156     mg/Kg     116     70 - 130     6       Diesel Range Organics (Over     1000     1003     mg/Kg     100     70 - 130     9       Surrogate     %Recovery     Qualifier     Limits       1-Chlorooctane     109     70 - 130       o-Terphenyl     97     70 - 130       Lab Sample ID: 890-7458-2 MS     Client Sample ID: S       Matrix: Solid     Prep Type: Tot       Analysis Batch: 97676     Prep Type: Tot       Matrix: Solid     Prep Type: Tot       Gasoline Range Organics     49.9       U     1010     954.5       Gasoline Range Organics     <49.9	o-Terphenyl	109		70 - 130								
Matrix: Solid Analysis Batch: 97676     Prep Type: Tot Prep Batch: 97676       Analyte     Added     Result     Qualifier     Unit     D     %Rec       Analyte     Added     Result     Qualifier     Unit     D     %Rec       Gasoline Range Organics (Over     1000     1156     mg/Kg     116     70 - 130     6       Diesel Range Organics (Over     1000     1003     mg/Kg     100     70 - 130     9       Surrogate     %Recovery     Qualifier     Limits       1-Chlorooctane     109     70 - 130       o-Terphenyl     97     70 - 130       Lab Sample ID: 890-7458-2 MS     Client Sample ID: S       Matrix: Solid     Prep Type: Tot       Analyte     Result     Qualifier       Analyte     Result     Qualifier       Gasoline Range Organics     <49.9												
Analysis Batch: 97676       Prep Batch: 97         Analyte       Added       Result       Qualifier       Unit       D       %Rec       Limits       RPD         Gasoline Range Organics (GVer       1000       1156       mg/Kg       116       70 - 130       6         Diesel Range Organics (Over       1000       1003       mg/Kg       100       70 - 130       9         C10-C28)       LCSD       LCSD       Surrogate       %Recovery       Qualifier       Limits         1-Chlorooctane       109       70 - 130       70 - 130       70 - 130       9         Lab Sample ID: 890-7458-2 MS       Katrix: Solid       Prep Type: Tot       Prep Type: Tot         Analyte       Result       Qualifier       Added       Result       Qualifier       VRec         Analyte       Result       Qualifier       Added       Result       Qualifier       VRec         Gasoline Range Organics       <49.9		5/3-A					Cli	ent San	nple ID:			
AnalyteSpikeLCSDLCSD%RecAnalyteAddedResultQualifierUnitD%RecLimitsRPDGasoline Range Organics (GRO)-C6-C1010001156mg/Kg11670 - 1306Diesel Range Organics (Over C10-C28)10001003mg/Kg10070 - 1309LCSD LCSDSurrogate 1-Chlorooctane o-Terphenyl%Recovery 97QualifierLimits T0 - 130Client Sample ID: SLab Sample ID: 890-7458-2 MS Matrix: Solid Analysis Batch: 97676SampleSpikeMSMSSkec Prep Type: Tot Prep Batch: 9AnalyteResult QualifierQualifier 4ddedAddedResult QualifierQualifier T0 - 130UnitD%Rec MSAnalyteResult QualifierQualifier 4ddedAddedResult QualifierQualifier T0 - 130UnitD%Rec %RecGasoline Range Organics (GRO)-C6-C10449.9U1010954.5mg/Kg9570 - 130												
AnalyteAddedResultQualifierUnitD%RecLimitsRPDGasoline Range Organics (GRO)-C6-C1010001156mg/Kg11670 - 1306Diesel Range Organics (Over10001003mg/Kg10070 - 1309C10-C28)LCSDLCSDLCSDSurrogate%RecoveryQualifierLimits1-Chlorooctane10970 - 13070 - 13070 - 13070 - 130o-Terphenyl9770 - 13070 - 130Prep Type: TotLab Sample ID: 890-7458-2 MSSampleSampleSpikeMSMSMatrix: Solid Analysis Batch: 97676SampleSampleSpikeMSMS%RecAnalyteResult QualifierQualifierAddedResult QualifierQualifierU1010954.5mg/Kg970 - 130Gasoline Range Organics (GRO)-C6-C10<49.9	Analysis Batch: 97676									-	Batch:	
Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over         1000         1156         mg/Kg         116         70 - 130         6           Diesel Range Organics (Over C10-C28)         1000         1003         mg/Kg         100         70 - 130         9           Surrogate         %Recovery 109         Qualifier         Limits         Disconscient         Client Sample ID: 8         Client Sample ID: 8         Prep Type: Tot Prep Batch: 9           Lab Sample ID: 890-7458-2 MS Matrix: Solid Analysis Batch: 97676         Sample         Spike         MS         MS         %Rec           Analyte         Result         Qualifier         Added         Result         Qualifier         Unit         D         %Rec         Jinits         -           Gasoline Range Organics         <49.9				-				_	~-			RPD
(GRO)-C6-C10       Diesel Range Organics (Over       1000       1003       mg/Kg       100       70 - 130       9         C10-C28)       LCSD       LCSD       LCSD       1000       1003       mg/Kg       100       70 - 130       9         Surrogate       %Recovery       Qualifier       Limits       70 - 130						Qualifier		D				Limi
Diesel Range Organics (Over C10-C28)10001003mg/Kg10070 - 1309Surrogate 1-Chlorooctane o-Terphenyl%Recovery 109Qualifier 70 - 130Limits 70 - 1309Lab Sample ID: 890-7458-2 MS Matrix: Solid Analysis Batch: 97676%Rec SampleClient Sample ID: S Prep Type: Tot Prep Batch: 9Analyte Gasoline Range Organics (GRO)-C6-C10Result VQualifier VAdded VMS MSMS MS MS%Rec MS MS%Rec VLimits Prep Type: Tot Prep Batch: 9 70 - 130				1000	1156		mg/Kg		116	70 - 130	6	20
C10-C28) LCSD LCSD Surrogate <u>%Recovery</u> Qualifier Limits 1-Chlorooctane <u>109</u> 70 - 130 o-Terphenyl <u>97</u> 70 - 130 Lab Sample ID: 890-7458-2 MS Matrix: Solid Analysis Batch: 97676 Sample Sample Spike MS MS <u>Client Sample ID: S</u> Prep Type: Tot Prep Batch: 9 Analyte <u>Result</u> Qualifier <u>Qualifier</u> Unit <u>D</u> %Rec Limits Gasoline Range Organics <49.9 U 1010 954.5 mg/Kg <u>95</u> 70 - 130	( )			1000	1003		ma/Ka		100	70 - 130	9	20
LCSDLCSDLCSDSurrogate%RecoveryQualifierLimits1-Chlorooctane10970 - 130o-Terphenyl9770 - 130Lab Sample ID: 890-7458-2 MS Matrix: Solid Analysis Batch: 97676Client Sample ID: S Prep Type: Tot Prep Batch: 9AnalyteSampleSpikeMSMSAnalyteResultQualifierAddedResultQualifierUnitD%RecGasoline Range Organics (GRO)-C6-C10<49.9				1000	1000		mg/rtg		100	10-100	0	2.
Surrogate%RecoveryQualifierLimits1-Chlorooctane10970 - 130o-Terphenyl9770 - 130Lab Sample ID: 890-7458-2 MSClient Sample ID: 890-7458-2 MSMatrix: SolidPrep Type: Tot: Prep Batch: 97676Analysis Batch: 97676SampleAnalyteResultQualifierAddedGasoline Range Organics<49.9	,											
1-Chlorooctane       109       70 - 130         0-Terphenyl       97       70 - 130         Lab Sample ID: 890-7458-2 MS       Client Sample ID: S         Matrix: Solid       Prep Type: Total         Analysis Batch: 97676       Sample         Analyte       Result         Qualifier       Added         Gasoline Range Organics       <49.9												
o-Terphenyl 97 70-130           Lab Sample ID: 890-7458-2 MS         Client Sample ID: S           Matrix: Solid         Prep Type: Total           Analysis Batch: 97676         Prep Batch: 9           Matrix:         Sample         Sample         Spike         MS         MS         %Rec           Analyte         Result         Qualifier         Added         Result         Qualifier         Unit         D         %Rec         Limits           Gasoline Range Organics         <49.9			Qualifier									
Lab Sample ID: 890-7458-2 MS       Client Sample ID: S         Matrix: Solid       Prep Type: Total         Analysis Batch: 97676       Prep Batch: 9         Analyte       Result       Qualifier       Added       Result       Qualifier       U       D       %Rec         Gasoline Range Organics (GRO)-C6-C10       <49.9												
Matrix: Solid Analysis Batch: 97676Prep Type: Tot Prep Batch: 97SampleSampleSpikeMS MS%RecAnalyteResultQualifierAddedResultQualifierUnitD%RecGasoline Range Organics (GRO)-C6-C10<49.9	o-Terphenyl	97		70 - 130								
Matrix: Solid Analysis Batch: 97676Prep Type: Tot Prep Batch: 97SampleSampleSpikeMS MS%RecAnalyteResultQualifierAddedResultQualifierUnitD%RecGasoline Range Organics (GRO)-C6-C10<49.9	Lab Sample ID: 890-7458-2 MS									Client Sam	nle ID:	SW 13
Analysis Batch: 97676       Sample       Sample       Spike       MS       MS       %Rec         Analyte       Result       Qualifier       Added       Result       Qualifier       Unit       D       %Rec       MS         Gasoline Range Organics       <49.9											· · · · · · · · · · · · · · · · · · ·	
SampleSampleSampleSpikeMSMS%RecAnalyteResultQualifierAddedResultQualifierUnitD%RecLimitsGasoline Range Organics<49.9												
AnalyteResultQualifierAddedResultQualifierUnitD%RecLimitsGasoline Range Organics<49.9		Sample	Sample	Spike	MS	MS					Daton.	5.000
Gasoline Range Organics         <49.9         U         1010         954.5         mg/Kg         95         70 - 130           (GRO)-C6-C10	Analyte	-	-	-			Unit	D	%Rec			
(GRO)-C6-C10												
							0.0					
	Diesel Range Organics (Over	<49.9	U	1010	754.9		mg/Kg		75	70 - 130		

 MS
 MS

 Surrogate
 %Recovery
 Qualifier
 Limits

 1-Chlorooctane
 89
 70 - 130

 o-Terphenyl
 77
 70 - 130

5

Job ID: 890-7458-1

MSD MSD

950.5

752.9

Result Qualifier

mg/Kg

Spike

Added

1010

1010

Limits

70 - 130

70 - 130

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

Lab Sample ID: 890-7458-2 MSD

Lab Sample ID: MB 880-97696/1-A

Matrix: Solid

(GRO)-C6-C10

Analyte

C10-C28)

Surrogate

o-Terphenyl

1-Chlorooctane

Matrix: Solid

Analysis Batch: 97678

Analysis Batch: 97676

Gasoline Range Organics

Diesel Range Organics (Over

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

Sample Sample

<49.9 U

<49.9 U

89

76

98

MSD MSD %Recovery Qualifier

Result Qualifier

			Job I	D: 890-7	458-1	2
				ple ID: S Type: Tot Batch: S	al/NA	4
			%Rec		RPD	5
Unit mg/Kg	_ <u>D</u>	<b>%Rec</b> 95	Limits 70 - 130	0	Limit 20	6

70 - 130

75

12/12/24 09:29

7
8
9

# **Client Sample ID: Method Blank** . . . . . .

12/12/24 09:28

Prep Type: Total/NA

**Client Sample ID: Lab Control Sample** 

Prep I	ype: lotal/NA
Prep	Batch: 97696

0

20

1

-	MB	МВ							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/12/24 09:29	12/12/24 09:28	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/12/24 09:29	12/12/24 09:28	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/12/24 09:29	12/12/24 09:28	1
	МВ	МВ							
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130				12/12/24 09:29	12/12/24 09:28	1

70 - 130

Lab Sample	ID:	LCS	880-9	97696	/ <mark>2-A</mark>
------------	-----	-----	-------	-------	--------------------

#### Matrix: Solid Analysis Batch: 97678

o-Terphenyl

Analysis Batch: 97678							Prep	Batch: 97696
	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	1000	922.0		mg/Kg		92	70 - 130	
(GRO)-C6-C10								
Diesel Range Organics (Over	1000	915.5		mg/Kg		92	70 - 130	
C10-C28)								

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

Lab Sample ID: LCSD 880-97696/3-A Matrix: Solid Analysis Batch: 97678				Clien	it Sam	ple ID:		I Sample ype: Tot Batch: 9	tal/NA
	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	1000	1136	*1	mg/Kg		114	70 - 130	21	20
(GRO)-C6-C10									
Diesel Range Organics (Over	1000	1023		mg/Kg		102	70 - 130	11	20
C10-C28)									

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

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

Lab Sample ID: LCSD 880-97 Matrix: Solid	′696/3-A					Clie	nt Sam	nple ID:	Lab Contro Prep 1	l Sampl ype: To	-
Analysis Batch: 97678									Prep	Batch:	9769
	LCSD	LCSD									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	110		70 - 130								
o-Terphenyl	109		70 - 130								
Lab Sample ID: 890-7458-10	MS							Clie	nt Sample	ID: FL 0	8@4
Matrix: Solid									Prep 1	ype: To	tal/N/
Analysis Batch: 97678									Prep	Batch:	9769
	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.7	U *1	998	994.8		mg/Kg		100	70 - 130		
Diesel Range Organics (Over C10-C28)	70.5		998	902.7		mg/Kg		83	70 - 130		
	MS	MS									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	114		70 - 130								
o-Terphenyl	110		70 - 130								
Lab Sample ID: 890-7458-10	MSD							Clie	nt Sample	ID: FL 0	8@4
Matrix: Solid									Prep 1	ype: To	tal/NA
Analysis Batch: 97678									Prep	Batch:	97696
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limi
Gasoline Range Organics (GRO)-C6-C10	<49.7	U *1	998	991.8		mg/Kg		99	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	70.5		998	912.7		mg/Kg		84	70 - 130	1	20
	MSD	MSD									
Surrogate	%Recovery		Limits								
1-Chlorooctane			70 - 130								
o-Terphenyl	110		70 - 130								
/ethod: 300.0 - Anions, I	on Chromat	ography									

Lab Sample ID: MB 880-97673/1-A Matrix: Solid Analysis Batch: 97684										(	Client S	ample ID: Metho Prep Type:	
-	МВ	МВ											
Analyte	Result	Qualifier		RL		MDL	Unit		D	Pre	epared	Analyzed	Dil Fac
Chloride	<10.0	U		10.0			mg/Kg					12/12/24 11:46	1
_ Lab Sample ID: LCS 880-97673/2-A Matrix: Solid									Clie	nt	Sample	ID: Lab Control Prep Type:	
Analysis Batch: 97684													
			Spike		LCS	LCS						%Rec	
Analyte			Added		Result	Quali	ifier	Unit	[	C	%Rec	Limits	
Chloride			250		265.7			mg/Kg			106	90 _ 110	

Job ID: 890-7458-1

Lab Sample ID: LCSD 880-97673/3-A

LCSD LCSD

MS MS

1267 4

**Result Qualifier** 

265.4

Result Qualifier

Unit

mg/Kg

Unit

mg/Kg

D

D

%Rec

%Rec

81

106

Spike

Added

250

Spike

Added

251

Sample Sample

1060

Result Qualifier

Method: 300.0 - Anions, Ion Chromatography (Continued)

Matrix: Solid

Matrix: Solid

Matrix: Solid

Matrix: Solid

Analyte

Chloride

Analyte

Chloride

Analysis Batch: 97684

Analysis Batch: 97684

Lab Sample ID: 890-7458-1 MS

Lab Sample ID: 890-7458-1 MSD

Lab Sample ID: 890-7458-11 MS

Job ID: 890-7458-1

**Prep Type: Soluble** 

**Client Sample ID: Lab Control Sample Dup** 

%Rec		RPD	5
Limits	RPD	Limit	
90 - 110	0	20	
Client Sam Prep	7		
%Rec			8
Limits			
90 - 110			9
Client Sam	ple ID: S Type: S		
Frep	Type: 3	Juble	

## **Client Sample ID: SW** Prep Type: Solu

Analysis Batch: 97684											
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	1060		251	1268	4	mg/Kg		81	90 - 110	0	20

# Client Sample ID: FL 09 @ 4' **Prep Type: Soluble**

Analysis Batch: 97684										
	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	5120	F1	2520	8639	F1	mg/Kg		140	90 - 110	 

Lab Sample ID: 890-7458-11 MSI Matrix: Solid Analysis Batch: 97684	D							Clie	nt Sample Prep	ID: FL 09 Type: So	<u> </u>
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	5120	F1	2520	8646	F1	mg/Kg		140	90 _ 110	0	20

#### **Eurofins Carlsbad**

Page 31 of 50

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

# **QC Association Summary**

Client: CDH Consulting Project/Site: JACKSON B - 29Y Page 107 of 277

5 6

Job ID: 890-7458-1

# **GC VOA**

#### Analysis Batch: 97662

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

#### Analysis Batch: 97664

_ab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
390-7458-2	SW 13	Total/NA	Solid	8021B	97681
390-7458-3	SW 12	Total/NA	Solid	8021B	97681
390-7458-4	SW 14	Total/NA	Solid	8021B	97681
390-7458-5	FL 03 @ 1'	Total/NA	Solid	8021B	97681
390-7458-6	FL 04 @ 1'	Total/NA	Solid	8021B	97681
390-7458-7	SW 4	Total/NA	Solid	8021B	97681
390-7458-8	SW 5	Total/NA	Solid	8021B	97681
/IB 880-97681/5-A	Method Blank	Total/NA	Solid	8021B	97681
_CS 880-97681/1-A	Lab Control Sample	Total/NA	Solid	8021B	97681
CSD 880-97681/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	97681
390-7458-2 MS	SW 13	Total/NA	Solid	8021B	97681
390-7458-2 MSD	SW 13	Total/NA	Solid	8021B	97681

#### Prep Batch: 97671

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

#### Analysis Batch: 97674

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

#### Prep Batch: 97681

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

# **QC** Association Summary

Prep Type

Matrix

Method

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

# GC VOA (Continued)

Lab Sample ID

#### Prep Batch: 97681 (Continued)

**Client Sample ID** 

890-7458-5	FL 03 @ 1'	Total/NA	Solid	5035	
890-7458-6	FL 04 @ 1'	Total/NA	Solid	5035	
890-7458-7	SW 4	Total/NA	Solid	5035	
890-7458-8	SW 5	Total/NA	Solid	5035	
MB 880-976	681/5-A Method Blank	Total/NA	Solid	5035	
LCS 880-97	7681/1-A Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-9	27681/2-A Lab Control Sample Dup	Total/NA	Solid	5035	
890-7458-2	MS SW 13	Total/NA	Solid	5035	
890-7458-2	MSD SW 13	Total/NA	Solid	5035	
Prep Batch	n: 97682				
Lab Sample	D Client Sample ID	Ргер Туре	Matrix	Method	
890-7458-1	SW 11	Total/NA	Solid	5035	

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

#### Prep Batch: 97685

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

#### Analysis Batch: 97700

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

#### Analysis Batch: 97753

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batc
890-7458-1	SW 11	Total/NA	Solid	Total BTEX	
890-7458-2	SW 13	Total/NA	Solid	Total BTEX	
390-7458-3	SW 12	Total/NA	Solid	Total BTEX	
390-7458-4	SW 14	Total/NA	Solid	Total BTEX	
890-7458-5	FL 03 @ 1'	Total/NA	Solid	Total BTEX	
390-7458-6	FL 04 @ 1'	Total/NA	Solid	Total BTEX	
390-7458-7	SW 4	Total/NA	Solid	Total BTEX	
390-7458-8	SW 5	Total/NA	Solid	Total BTEX	
390-7458-9	FL 05 @ 2'	Total/NA	Solid	Total BTEX	
390-7458-10	FL 08 @ 4'	Total/NA	Solid	Total BTEX	
390-7458-11	FL 09 @ 4'	Total/NA	Solid	Total BTEX	
390-7458-12	FL 10 @ 4'	Total/NA	Solid	Total BTEX	

### Eurofins Carlsbad

Page 108 of 277

Prep Batch

Prep Batch

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

GC VOA (Continued)

Job ID: 890-7458-1

8

<u>1</u>	
3	3
3	

Analysis Batch: 97753 (Continued)

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

#### GC Semi VOA

#### Prep Batch: 97669

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

#### Analysis Batch: 97676

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

#### Analysis Batch: 97678

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

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

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

#### GC Semi VOA (Continued)

#### Analysis Batch: 97688 (Continued)

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

#### Prep Batch: 97693

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7458-2	SW 13	Total/NA	Solid	8015NM Prep	
890-7458-3	SW 12	Total/NA	Solid	8015NM Prep	
890-7458-4	SW 14	Total/NA	Solid	8015NM Prep	
890-7458-5	FL 03 @ 1'	Total/NA	Solid	8015NM Prep	
890-7458-6	FL 04 @ 1'	Total/NA	Solid	8015NM Prep	
390-7458-7	SW 4	Total/NA	Solid	8015NM Prep	
890-7458-8	SW 5	Total/NA	Solid	8015NM Prep	
890-7458-9	FL 05 @ 2'	Total/NA	Solid	8015NM Prep	
MB 880-97693/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-97693/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-97693/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-7458-2 MS	SW 13	Total/NA	Solid	8015NM Prep	
890-7458-2 MSD	SW 13	Total/NA	Solid	8015NM Prep	

#### Prep Batch: 97696

Г

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

#### Analysis Batch: 97768

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

#### Eurofins Carlsbad

Page 110 of 277

Job ID: 890-7458-1

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

#### GC Semi VOA (Continued)

#### Analysis Batch: 97768 (Continued)

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

#### HPLC/IC

#### Leach Batch: 97673

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

#### Analysis Batch: 97684

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

Eurofins Carlsbad

Page 111 of 277

5

Job ID: 890-7458-1

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

#### HPLC/IC (Continued)

#### Analysis Batch: 97684 (Continued)

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

Eurofins Carlsbad

Job ID: 890-7458-1

Page 112 of 277

Job ID: 890-7458-1

Matrix: Solid

Lab Sample ID: 890-7458-1

# Project/Site: JACKSON B - 29Y Client Sample ID: SW 11

**Client: CDH Consulting** 

Date Collected: 12/11/24 00:00 Date Received: 12/11/24 15:10

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

## Lab Sample ID: 890-7458-2

Lab Sample ID: 890-7458-3

Lab Sample ID: 890-7458-4

Matrix: Solid

#### Client Sample ID: SW 13 Date Collected: 12/11/24 07:26

Date Received: 12/11/24 15:10

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

#### Client Sample ID: SW 12 Date Collected: 12/11/24 07:30

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

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

#### Client Sample ID: SW 14 Date Collected: 12/11/24 07:35 Date Received: 12/11/24 15:10

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

**Eurofins Carlsbad** 

9

# 2

Matrix: Solid

Matrix: Solid

**Client: CDH Consulting** 

#### Lab Chronicle

Job ID: 890-7458-1

#### Project/Site: JACKSON B - 29Y Lab Sample ID: 890-7458-4 **Client Sample ID: SW 14** Date Collected: 12/11/24 07:35 Matrix: Solid Date Received: 12/11/24 15:10 Batch Batch Dilution Batch Prepared Prep Type Туре Method Run Factor Number Analyst Lab or Analyzed 8015 NM 12/12/24 12:28 Total/NA Analysis 97768 AJ EET MID 1 Total/NA Prep 8015NM Prep 97693 TKC EET MID 12/12/24 09:27 Total/NA Analysis 8015B NM 97676 TKC EET MID 12/12/24 12:28 1 DI Leach Soluble EET MID 12/12/24 08:43 Leach 97673 SA 300.0 12/12/24 12:33 Soluble Analysis 5 97684 CH EET MID Client Sample ID: FL 03 @ 1' Lab Sample ID: 890-7458-5 Date Collected: 12/11/24 07:39 Matrix: Solid Date Received: 12/11/24 15:10

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

#### Client Sample ID: FL 04 @ 1'

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

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

#### Client Sample ID: SW 4 Date Collected: 12/11/24 09:15 Date Received: 12/11/24 15:10

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

#### Eurofins Carlsbad

Matrix: Solid

## Lab Sample ID: 890-7458-6

Lab Sample ID: 890-7458-7

Matrix: Solid

#### Lab Chronicle

Job ID: 890-7458-1

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

#### **Client Sample ID: SW 4** Date Collected: 12/11/24 09:15 Date Received: 12/11/24 15:10

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

#### **Client Sample ID: SW 5** Date Collected: 12/11/24 09:25 Date Received: 12/11/24 15:10

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

#### Client Sample ID: FL 05 @ 2' Date Collected: 12/11/24 11:01 Date Received: 12/11/24 15:10

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

#### Client Sample ID: FL 08 @ 4' Date Collected: 12/11/24 09:57 Date Received: 12/11/24 15:10

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

#### **Eurofins Carlsbad**

Matrix: Solid

Matrix: Solid

Matrix: Solid

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

Lab Sample ID: 890-7458-8

Lab Sample ID: 890-7458-9

Lab Sample ID: 890-7458-10

9

Job ID: 890-7458-1

Matrix: Solid

Lab Sample ID: 890-7458-11

Lab Sample ID: 890-7458-13

Lab Sample ID: 890-7458-14

Matrix: Solid

#### Project/Site: JACKSON B - 29Y Client Sample ID: FL 09 @ 4'

**Client: CDH Consulting** 

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

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

## Lab Sample ID: 890-7458-12

Matrix: Solid

9

### Date Collected: 12/11/24 10:29

Date Received: 12/11/24 15:10

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

#### Client Sample ID: FL 11 @ 4' Date Collected: 12/11/24 10:32 Date Received: 12/11/24 15:10

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

#### Client Sample ID: FL 12 @ 4' Date Collected: 12/11/24 10:43 Date Received: 12/11/24 15:10

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

**Eurofins Carlsbad** 

# Client Sample ID: FL 10 @ 4'

Matrix: Solid

Job ID: 890-7458-1

Matrix: Solid

Matrix: Solid

Matrix: Solid

Lab Sample ID: 890-7458-14

Lab Sample ID: 890-7458-15

Lab Sample ID: 890-7458-16

Lab Sample ID: 890-7458-17

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

Client Sample ID: FL 12 @ 4' Date Collected: 12/11/24 10:43

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

#### Client Sample ID: SW 08 Date Collected: 12/11/24 10:51 Date Received: 12/11/24 15:10

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

#### Client Sample ID: SW 09

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

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

#### Client Sample ID: SW 10 Date Collected: 12/11/24 13:52

Date Received: 12/11/24 15:32

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

Matrix: Solid

#### Lab Chronicle

Job ID: 890-7458-1

Matrix: Solid

Lab Sample ID: 890-7458-17

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

#### Client Sample ID: SW 10 Date Collected: 12/11/24 13:52 Date Received: 12/11/24 15:10

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

#### Laboratory References:

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

Eurofins Carlsbad

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

Accreditation/Certification Summary

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

#### Laboratory: Eurofins Midland

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

Authority	Progra	m	Identification Number	Expiration Date
Texas	NELAP	)	T104704400	06-30-25
0,	es are included in this report, but does not offer certification . Prep Method	t the laboratory is not certi Matrix	fied by the governing authority. This lis Analvte	t may include analytes
8015 NM		Solid	Total TPH	
Total BTEX		Solid	Total BTEX	

**Page 119 of 277** 

10

Job ID: 890-7458-1

#### **Method Summary**

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

Method	Method Description	Protocol	Laboratory
3021B	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
3015B 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
OI Leach	Deionized Water Leaching Procedure	ASTM	EET MID
EPA = US	STM International Environmental Protection Agency		
SW846 = '	'Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edit	on, November 1986 And Its Updates.	
TAL SOP :	= TestAmerica Laboratories, Standard Operating Procedure		
EET MID =	= Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440		

#### Laboratory References:

Eurofins Carlsbad

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

#### Sample Summary

Page	<i>121</i>	of 2	77

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

Xenco       Manager:     MIChael WICLer     Bill to: (if       Manager:     MIChael WICLer     Bill to: (if       Ny Name:     CDH CONSULTING ILC     Company       Name:     CDH CONSULTING ILC     Address:       Rie ZIP:     LO LO - 977 0 - 8459     Email:       Address:     Routine     Zhush       Number:     Jac(KSON B-394)     Turn Anound       Name:     Jac(KSON B-394)     Email:       Number:     Location     Boutine       Stame:     Jac(KSON B-394)     Email:       Intervented     Number:     Company       Stame:     Deleo atain     Number:       Custody Seals:     Yes <no< td="">     Net les       Sample Identification     Matrix     Sampled       Sundidies:     Sampled     Sampled       Ouvil 3     S     1311-2024     71:35       Ouvil 3     S     1311-2024     71:35       Ouvil 3     S     1311-2024     71:36</no<>	15) 585-3443. Lubbock, TX (806) 794-1296 75) 392-7550, Carlsbad, NM (575) 988-3199 5tate of Project: Reporting: Level II Peliverables: ED Boliverables: ED Boliverables: ED	Work Order Con Work Order Con Level III PS
Image: CDH CONSULTING I WICKET     Bill to: (if display in the image)       E:     CDH CONSULTING I I.C. Company N       I.D. COLLON 3-394 To mail: MILLIC     Address:       I.D. COLLON 3-394 To mail: MILLIC     Address:       I.D. COLLON 3-394 To mail: MILLIC     Company N       EIPT     Turn Around       EIPT     Turn Around       EIPT     Termy Blank:       Yes No     Wet Ics:       Yes No     Wet Ics:       Yes No     Wet Ics:       Yes No     Wet Ics:       Yes No     Metric Sampled       Baber     Patter       Seals:     Yes No       Yes No     No       Seals:     Yes No       Yes No     Net Ics:       Yes No     No       Seals:     Yes No       Yes No <tr< th=""><th>ANALYSIS REQUEST Bo-7458 Chain of Custody</th><th>Work Order Comments Work Order Comments Level III PST/UST RRP P Level III PST/UST RRP P ADAPT Other: Preservative C Hone: NO DI Cool: Cool Me HCL: HC HASO 4: H2 NaHSO 4: NABIS Na2 52 03: NASIS</th></tr<>	ANALYSIS REQUEST Bo-7458 Chain of Custody	Work Order Comments Work Order Comments Level III PST/UST RRP P Level III PST/UST RRP P ADAPT Other: Preservative C Hone: NO DI Cool: Cool Me HCL: HC HASO 4: H2 NaHSO 4: NABIS Na2 52 03: NASIS
Manager:     MIChael WICLer       my Name:     CDH CONSULTING ILC       my Name:     CDH CONSULTING ILC       site ZIP:     Lo I Lo - 970 - 8459       Name:     Location       Number:     Location       Location:     Location       Location:     Location       Location:     Location       Location:     Location       Location:     Location       Stample Identification     Matrix       Subul 13     S       Subul 13     S       Subul 14     S       Subul 15     S       Subul 14     S       Subul 14     S	ANALYSIS REQUEST ANALYSIS REQUEST Deliverables: 00-7458 Chain of Custody	Work Order Comments          PRP       Brownfields       RRC         Level III       PST/UST       TRRP         ADaPT       Other:       D         ADaPT       Other:       None: NO         H3P04:H2       None: NO       DI         H3P04:H2       NaBIS       NaBIS         NaHSO4:NABIS       Na25,03:NASIS       NaS5,03:NASIS
Name:     CDH CONSULTING     IC       site ZIP:     LOLLD - 970-8459       site ZIP:     LOLLD - 970-8459       Name:     JACKSON B-39459       Number:     Location:       Number:     JACKSON B-39459       Number:     JACKSON B-3947       Number:     JACKSON B-3947       Number:     JACKSON B-3947       In Location:     Luc Let Lills       Number:     JACKSON B-3947       Steelved Intact:     Yes No       Custody Seals:     Yes No       Steerved Intact:     Yes No       Custody Seals:     Yes No       Sample Identification     Matrix       Sample Identification     Matrix       Subuld     S       S     12-11-264	ANALYSIS REQUEST ANALYSIS REQUEST Deliverables 00-7458 Chain of Custody	PRP     Brownfields     RRC       Level III     PST/UST     TRRP       Level III     PST/UST     TRRP       ADaPT     Other:       ADaPT     Other:       None: NO     DI       Freservative CC     Me       H3PO 4: H2     NaBIS       NaHSO 4: NABIS     Na2 5, 0 3; NASO 3
Site ZIP:     Loc I Lo - 970 - 8459       Name:     Location:     Loc Hill3, NVM       Number:     Location:     Loc O Hill3, NVM       rs Name:     De Locatzin, Cueto     Tarsi       rs Name:     De Locatzin, Cueto     Wee No       rs Name:     De Locatzin, Cueto     Netal       rs Name:     De Locatzin, Cueto     Tarsi       rs Name:     De Locatzin, Cueto     Netal       rs Name:     De Locatzin, Cueto     Netal       s Received Intact:     Yes No     Thermometer ID:       custody Seals:     Yes No     Correction Factor:       custody Seals:     Yes No     Correction Factor:       custody Seals:     Yes No     NIA       remperature Readi     Ontainers:     Correction Factor:       custody Seals:     Yes No     NIA       rubuld     S     13-11-34       Subuld     S     13-11-2024       Subuld     S     13-11-2024       Subuld     S     12-11-2024       Subuld     S     12-11-2024	ANALYSIS REQUES	Level III PST/UST TRRP ADaPT Other: Preservative Preservative H <sub>2</sub> SO <sub>4</sub> : HC H <sub>2</sub> SO <sub>4</sub> : HP NaHSO 4; NABIS NaHSO 4; NABIS
Site ZIP:     Lo   Lo - 970 - 8459       Name:     Lo (Lo - 970 - 8459       Number:     Location:       Number:     Location:       Number:     Location:       Number:     Location:       Location:     Location:       Location:     Location:       Location:     Location:       Location:     Location:       Location:     Location:       Lecenter:     Location:       Stame:     DeLocation:       Lecenter:     Vec No       Stans:     Vec No       Custody Seals:     Ves No       Number:     Correction Factor:       Custody Seals:     Ves No       Ontainers:     Corrected Temperature Readi       Sample Identification     Matrix       Duc I     S	ANALYSIS REQUES	Level III PST/UST TRRP [ ADaPT Other: Preservative None: NO Cool: Cool H2S0 4: H 2 H3PO 4: HP NaHSO 4: NABIS Na 25 20 3: NSO 3
Name: $[O   [O - 970 - 8459]$ Number: $ OC CSON B-3944$ Number: $ OC CSON B-3944$ Icotation: $ UU CO   HU  [3]$ Number: $ UU CO   HU  [3]$ Number: $ UU CO   HU  [3]$ Is Name: $ UU CO   HU  [3]$ Is Name: $ UU CO   HU  [3]$ Is Name: $ UU CO   HU  [3]$ Is Received Intact:Ves NoSecordy Seals:Ves NoIs Received Intact:Ves NoCustody Seals:Ves NoNumber:Correction Factor:Custody Seals:Ves NoNumber:Corrected Temperature ReadiSample IdentificationMatrixSampledSNumber: <td>ANALYSIS REQUEST ANALYSIS REQUEST OD-7458 Chain of Custody</td> <td>ADaPT         Other:           Preservative         Preservative           None: NO         Cool: Cool           H204: H2         H3204; H2           H3PO4; H2         NaH504; MBIS           NaH504; NaS03         3</td>	ANALYSIS REQUEST ANALYSIS REQUEST OD-7458 Chain of Custody	ADaPT         Other:           Preservative         Preservative           None: NO         Cool: Cool           H204: H2         H3204; H2           H3PO4; H2         NaH504; MBIS           NaH504; NaS03         3
Number:       JackSon B-39Y       Turn Around         t Number:       Lucation:       Lucation:       Lucation:       Lucation:         t Number:       Lucation:       Lucation:       Lucation:       Lucation:       Lucation:         trians:       Doucoatzin       Lucation:       Lucation:       Lucation:       Lucation:       Lucation:         trians:       Doucoatzin       Lucation:       Lucation:       Lucation:       Lucation:       Lucation:         the lab:       Transition       Thermometer Lipping       Termested by 4:30pm         t RECEIPT       Terms Blank:       Yee No       Wet Ice:       Yes. No         custody Seals:       Yes No       Nuc       Correction Factor:       O.2         custody Seals:       Yes No       Nuc       Correction Factor:       O.2         custody Seals:       Yes No       Nuc       Correction Factor:       O.2         containers:       Costody Seals:       Yes No       Nuc       O.2         containers:       Yes No       Nuc       Sampled       Sampled         Subol 2       Subol 3       Subol 3       Nuc       O.2         Subol 3       Subol 3       Subol 3       Nuc       Subol 3       Cou	2007.22B - MU	m .
tNumber:     Inoutine     Anumber:     Inoutine     Anumber:       tlocation:     ULCO     Hill3     NIM     Due Date:     [] 3-13-34       er's Name:     DelLD atc.in     Ver No     Net Ice:     Yes     Yes       ute RECEIPT     Jema Blank:     Yee No     Net Ice:     Yes     Yes       ute Received Intact:     Yes     No     Net Ice:     Yes     Yes       custody Seals:     Yes     No     Thermometer ID:     Thermore       custody Seals:     Yes     No     No     Net Ice:     Yes       coustody Seals:     Yes     No     No     Net Ice:     Yes       coustody Seals:     Yes     No     No     Net Ice:     Yes       costody Seals:     Yes     No     No     No     Yes       controly Seals:     Yes     No     No     Yes     Yes       controly Seals:     Yes     No     No     Yes     Yes       Sample Identification     Matrix     Date     Time     Depth     Grap       Suu I     S     IJ-1-Dut     Y     Y     Suu     Suu       Suu I     S     IJ-1-Dut     Y     Y     Suu     Suu       Suu I     S	<u>ସ୦ଏ ସ</u> ତି - MU	m .
Itocation:       U CO Hills       UM       Due Date:       I3-13-34         er's Name:       Deducate in Cueto       TAT starts the day received by 430pm         the lab, if received by 430pm       the lab, if received by 430pm         the RECEIPT       Temps Blank:       ver No       ver No       ver loc:       ves vig         es Received Intact:       ves No       NIA       Thermometer ID:       Thornoof         Custody Seals:       ves No       NIA       Temperature Reading:       1.4         custody Seals:       ves No       NIA       Temperature Reading:       1.4         custody Seals:       ves No       NIA       Temperature Reading:       1.4         containers:       Corrected Temperature:       1.2       2       1.4         containers:       Sample Identification       Matrix       Sampled       5       1.1       3.4       7.3       2.0       0mp         Sub 1       S       1.1       3.04       7.3       3.0       0mp       0mp       0mp         Sub 1       S       1.1       3.04       7.3       3.0       0mp       0mp         Sub 1       S       1.1       3.1       7.3       1.3       0.0       1.1	2001.529 - MU	m
Pris Name:       Deduce at a.h. Curled at stans the day received by 4:30pm         UE RECEIPT       Terms Blank:       Ye No       Wet kee:       Yes No         Seceived Intact:       Yes No       Wet kee:       Yes No       Met kee:       Yes No         Custody Seals:       Yes No       Na       Correction Factor:       O. 2       O. 2         Custody Seals:       Yes No       Na       Correction Factor:       O. 2       O. 2         Custody Seals:       Yes No       N/A       Temperature Reading:       I. 4         Containers:       Correction Factor:       O. 2       O. 2         Containers:       Corrected Temperature Reading:       I. 4       Componention:         Sample Identification       Matrix       Date       Time       Depth       Grab         Suu 1 3       S       13-11-34       1: 3 co       Low       Low         Suu 1 3       S       13-11-303       1: 3 co       Low         Out 2       S       12-11-303       1: 3 co       Low         Du 1 2       S       1: 1: 2024       1: 3 co       Low         Out 2       S       1: 1: 2024       1: 3 co       Low         Du 0 4       S       1: 1: 2024	200 PS - MU	m
LE RECEIPT     Lemp Blank:     Ye< No     Wet kee:     Yes     Yes       05 Received Intact:     Yes     Yes     No     Wet kee:     Yes     Yes       Custody Seals:     Yes     No     Correction Factor:     O.2     O.2       Custody Seals:     Yes     No     Via     Temperature Reading:     O.2       e Custody Seals:     Yes     No     Via     Temperature Reading:     O.2       containers:     Yes     No     Via     Temperature Reading:     O.2       containers:     Yes     No     Via     Temperature Reading:     O.2       Sample Identification     Matrix     Date     Time     Depth     Gmb       Sub I     S     IJ-II-Jui     S     IJ-II-Jui     Courp     Courp       Sub I     S     J3-II-Jui     Ji     Ji <ji< td="">     Courp     Courp       Sub I     S     J1-II-Jui     S     Ji<ji< td="">     Courp     Courp       Sub I     S     J1-II-Jui     Ji<ji< td="">     Ji<ji< td="">     Courp     Courp       Sub I     S     J1-II-Jui     Ji<ji< td="">     Ji     Courp     Courp       Sub I     S     J1-Jui     Ji     Ji     Courp     Courp       Sub I</ji<></ji<></ji<></ji<></ji<>	2001.52 - WN	m
Terms Blank:     Yet No     J. Wet Ice:     Yes No       Yes     Vo     Thermometer ID:     Thermore       Yes     NJA     Correction Factor:     O.2       Yes     No     N/A     Temperature Reading:     L       Sampled     Sampled     Sampled     Sampled     Comp       S     13-11-340     Y: 3 U     Low     Comp       S     13-11-260     7: 3 C     Low     Comp       S     12-11-262     11: 33 C     Low     Comp       S     12:11-262     11: 33 C     Low     Comp       S     12:11-262     11: 32 C     Low     Comp	nod नन्त्र - MU	NaHSO 4: NABIS Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NASO <sub>3</sub>
Yes     No.     Intermontater IU:       Yes     N/A     Temperature Reading:     1.4       Yes     No. N/A     Temperature Reading:     1.4       Yes     No. N/A     Corrected Temperature:     1.2       Attice     Date     Time     Depth     Gradb       Attice     Sampled     Sampled     Sampled     Comp       S     13-11-344     71:30     Comp     Comp       S     13-11-264     71:35     Comp     Comp       S     12-11-264     71:35     Comp       S     12-11-264     71:35     Comp       S     12-11-264     71:35     Comp       S     12-11-264     71:35     Comp       S     12-11-264     71:05     Comp	<u>ଏ ଅମ୍ଚି - ୧୯</u> ୮୦	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : Na <sub>5</sub> O 3
Tes is with the second seco	ସମ୍ଭ - ୨୦.୮୯	
Time         Corrected Temperature:         L         Z           fication         Matrix         Date         Time         Depth         Grab/ Grab/ S         Grab/ S         Grap/ S         Grab/ S         Grap/ S         Grap/		Zn Acetate+NaOH: Zn
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	-	NaOH+Ascorbic Acid: SAPC
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$		Sample Comments
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$		
$\begin{array}{c c c c c c c c c c c c c c c c c c c $		
2 1341-2004 71:35 2 12-11-2024 7:39 2 1' 5 12-11-2024 9:09 2' 2 1' 5 12-11-2024 9:15 7'		
91 S 12-11-2024 7:39 21 S 12-11-2024 9:09 2' 21 S 12-11-2024 9:15 7'		
21' 5 12.11-2024 9:09 2' 21' 5 12.11-2024 9:15 2'		
011 S 12-11-2011 9115 21		
SWUY S. 12-11-2624 91,35 COMP 1		
SW5 S 16-11-2024 11:01 Camp 1		
2005@ 3' S 12-11-2021 9:57 3' comp 1		
PLOTEL, S Will read 10:31 4' Comp 1		
	sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K	Se Ag SiO <sub>2</sub> Na Sr TI Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed ICLP/SPLP6010: BKCKA Sb As back of Cr Co Cu Pb Min Mio Ni Se Ag 11 U 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		0/#/ /
or service, euronns kenco will be labore only for the cost of samples and stain not assume any responsibility out any cases of each of the cost of service of second 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	ut any tasks of the province of the definition of the province	
Relinquished by: (Signature)	Relinquished by: (Signature)	Received by: (Signature) Date/Time
alcostate (veto Control 12	12/1 15/1 <sup>2</sup> 2	
	4	
	9	

5 6

12/12/2024

Page 47 of 50

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

Renco     Et Page, 77 (910) 355 - 3413 (Lubbock, 77 (800) 355 - 3413)       Induction Micro       Vitame:       Vitame:       Vitame:       Vitame:       Vitame:       CDH ConSulthing       Vitame:       Vitame:       COPH ConSulthing       Vitame:       Company Name:       Company Name:       Company Name:       Company Name:       Company Name:       Address:       Company Name:       Address:       Company Name:       Address:       Convected Number:       Number:       Address:       System Zip:       Number:       Convected Fample       System Zip:       Number:       Address:       Number:       Address:       Number:       Address:       Number:       Date Celf N       Number:       Date	1296 3-3199 www.xenco.com Program: UST/PST PRP Brownfield State of Project: Reporting: Level IIIADaPT ADaPTADaPTADaPTADaPTADaPTADaPTADAPT	ge 2 of 2 ts t RRC Superfund
WICLEY MICLEY NO SULTING NO SULTING NO SULTING NO SULTING NO SULTING NO SULTING NO SULTING NO DUE I NO VIA DUE I NO VIA DUE I NO VIA DUE I SULLIZOU I NIA DUE I SULLIZOU I SULLIZUU I	www.xenco.com     www.xenco.com       Work Order Comme       Program:     UST/PST       Program:     UST/PST       State of Project:     Brownfield       State of Project:     ADaPT       ANALYSIS REQUEST     None       H <sub>2</sub> SO     H <sub>2</sub> SO       Nahs     Nahs	
bh Suittha 710 - 8459 710 - 8459 12 - 29459 12 - 200 - 2	Program:     UST/PST     PRP     Brownfield       State of Project:     State of Project:     ADaPT     Deliverables:     EDD     ADaPT       ANALYSIS REQUEST     ANALYSIS REQUEST     None     H <sub>3</sub> SO	RRC
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	ANALYSIS REQUEST ANALYSIS REQUEST ANALYSIS REQUEST ANALYSIS Net Cool: H <sub>3</sub> PO H <sub>3</sub> PO None None None None None None None None	
B-394     B-394       B-394     Brown       Brown     Due I       NM     Due I       NM     Due I       NM     Tarsi       NM     Tarsi       NM     Due I       NM     Tarsi       NM     Due I       NM     Tarsi       NM     Tarsi       NM     Correction Factor:       VA     Correction Factor:       VA     Corrected Tempera       Matrix     Sampled       S     12/11       Dudy     13/12	AbaPT  ANALYSIS REQUEST ANALYSIS REQUEST ANALYSIS Network	TRRP Level IV
B39Y     Turn Around       Nucleo     □Routine       Nucleo     □N/N       Due Date:     [J-1]J-JU       Oue to     Wet lee:       Ni:     Vee No       Wet lee:     Vees No       Ni     Temperature Reading:       VA     Correction Factor:       Corrected Temperature:     0       S     12/11/2021       S     12/11/2021<	None Cool: H <sub>3</sub> PO	Other:
Delta     Image     Image     Image       Decta     UM     Due Date:     [d2-f] - JU       Decta     UM     Due Date:     [d2-f] - JU       Decta     UM     Tamp Blank:     Vec       Yes     No     Wet Ice:     Yes       Yes     No     With Correction Factor:     Yes       Yes     No     NiA     Correction Factor:       Yes     No     ViA     Low       S     10/11/202/1     10:29     Vi       S     10/11/202/1     10:13     Vi       S     10/11/202/1	None: 1 Cool: CC H_504: H_504: NaHS04:	Preservative Codes
Outlatis     Une Date:     [d-1]-Jut       Outlath     Ueto     TAT starts the day received by 4:30pm       Tamp Blank:     Ver No     Wet Ice:       Yes     No     WA       Temperature     Correction Factor:     Correction Factor:       Yes     No     NA       Temperature Reading:     Corrected Temperature:       Yes     No     NA       Temperature     Corrected Temperature:       S     12/11/202/N     10:229       S     12/11/202/N     10:229       S     12/11/202/N     10:129       S     12/11/202/N     10:12       S     11'12     10'''       S     12/11/202/N     10:12       S     10''     10'''       S     10''     10'''       S     10'''     10'''	Cool: Co HCL:HC H <sub>2</sub> 50 <sub>4</sub> : H <sub>3</sub> PO <sub>4</sub> : NaHSO	NO DI W ater: H <sub>2</sub> O
Temp Blank:     Yer No     Wether:     Yes No       Yes No     N/A     Thermometer ID:     (11/A)       Yes No     N/A     Temperature Reading:     0.2       Xes No     N/A     Temperature Reading:     0.2       S     12/11/2024     10:29     4'     Comp Cont       S     12/11/2024     10:192     4'     Comp Part       S     12/11/2024     10:112     0.4     Comp Part       S     12/11/2024     10:12     0.4     Comp Part       S     11/11/2024     10:51     2     0.4     1       S     12/11/2024     10:51     2     0.4     1	H <sub>3</sub> PO <sub>4</sub> :	Cool MeOH: Me C HNO <sub>3</sub> : HN
Year Ng     Thermometer ID:     Intermediation:       Yes No N/A     Correction Factor:     Correction Factor:       Yes No M/A     Temperature Reading:     Y       Nearly     Date     Time       Matrix     Sampled     Sampled       S     12/11/2024     10:29     4'       S     12/11/2024     10:43     4'     Comp       S     12/11/2024     10:43     1'     Comp       S     12/11/2024     10:43     1'     Comp       S     12/11/2024     10:43     1'     Comp	O SHEN	
YesNoN/ACorrection Factor:CoCYesNoTemperature Reading: $\mathbf{i}$ $\mathbf{i}$ YesNoTemperature Reading: $\mathbf{i}$ $\mathbf{j}$ Corrected Temperature: $\mathbf{i}$ $\mathbf{j}$ $\mathbf{j}$ AatrixDateTimeDepthfirableS12/11/202410:29 $\mathbf{i}$ $\mathbf{j}$ S12/11/202410:43 $\mathbf{i}$ $\mathbf{j}$ S12/11/202410:43 $\mathbf{i}$ $\mathbf{j}$ S12/11/202410:43 $\mathbf{i}$ $\mathbf{j}$ S12/11/202410:43 $\mathbf{i}$ $\mathbf{j}$ S12/11/202410:51 $\mathbf{j}$ $\mathbf{j}$ S12/11/202410:51 $\mathbf{j}$ $\mathbf{j}$ S12/11/202410:52 $\mathbf{j}$ $\mathbf{j}$ S11:12 $\mathbf{j}$		NaHSO 4: NABIS
Yes         No         Temperature Reading:         Image: Second concreted Temperature:         Image: Second concled concreted Temperature:		Na 25 203: NaSO 3
Corrected Temperature: $\cdot$ MatrixDateTimeS12/11/2021410:29S12/11/2021410:29S12/11/2021410:43S12/11/2021410:43S12/11/2021410:43S12/11/2021410:51S12/11/2021410:51S12/11/2021410:51S12/11/2021411:12C11:12CounpS13/11/2021411:12S13/11/2021412:145S13/11/2021412:145S13/11/2021412:145S13/11/2021412:145S13/11/2021412:145S13/11/2021412:145S13/11/2021412:145S13/11/2021412:145S13/11/2021412:145S13/11/2021412:145S13/11/2021412:145S13/11/2021412:145S13/11/2021412:145S13/11/2021412:145S13/11/2021412:145S13/11/2021412:145S13/11/2021412:145S13/11/2021412:145S13/11/2021412:145S13/11/2021412:125S13/11/2021412:125S13/11/2021412:125S13/11/2021412:125S13/11/2021412:125S13/11/2021412:125	Zn Acet	Zn Acetate+NaOH: Zn
MatrixDate SampledTime SampledDepthGrab/ comp $4 \text{ or}$ comp $6 \text{ orb}$ $1 \text{ orb}$ S12/11/202410.12341' $6 \text{ orb}$ 1 $1 \text{ orb}$ $1 \text{ orb}$ $1 \text{ orb}$ S12/11/202410.14314' $6 \text{ orb}$ 1 $1 \text{ orb}$ S12/11/202410.14314' $6 \text{ orb}$ 1 $1 \text{ orb}$ $1 \text{ orb}$ $1 \text{ orb}$ S12/11/202411.12 $6 \text{ orb}$ $1 \text{ orb}$ $1 \text{ orb}$ $1 \text{ orb}$ $1 \text{ orb}$ S12/11/202413.145 $7 \text{ orb}$ $6 \text{ orb}$ $1 \text{ orb}$ $1 \text{ orb}$ S13/11/202413.145 $7 \text{ orb}$ $1 \text{ orb}$ $1 \text{ orb}$ S13/11/202413.145 $7 \text{ orb}$ $1 \text{ orb}$ $1 \text{ orb}$ S13/11/202413.155 $7 \text{ orb}$ $1 \text{ orb}$ $1 \text{ orb}$ S13/11/202413.145 $7 \text{ orb}$ $1 \text{ orb}$ $1 \text{ orb}$ S13/11/202413.155 $7 \text{ orb}$ $1 \text{ orb}$ $1 \text{ orb}$	NaOH+	NaOH+Ascorbic Acid: SAPC
11/21 12:01 12:02/11/21 11/21 12:01 12:02/11/21 11/21 12:01 12:02/11/21 11/21 12:01 12:02/11/21 11/21 12:02/11 11/21 12:02/11/21 11/21 12:02/11/21 11/21 12:02/11/21 11/21 12:02/11/21 11/21 12:02/11/21 11/21 12:02/11/21 11/21 12:02/11/21 11/21 12:02/11 11/21 12:02/11 11/21 12:02/11 11/21 12:02/11 11/21 12:02/11 11/21 12:02/11 11/21 12:02/11 11/21 12:02/11 11/21 12:02/11 11/21 12:02/11 11/		Sample Comments
1/11/21 1/11/21 1/11/21 1/11/21 1/11/21 1/11/21 1/11/21 1/11/21 1/11/21 1/11/21 1/11/21 1/12/11/12/11/21 1/12/11/12/11/21 1/12/11/12/11/1		
"H 211/11/21 "H 12:01 Hear/11/21 "H 12:01 Hear/11/21 "H 12:02 Hear/11/21 "H 12:02 Hear/11/61		
12:01 12:010		
21:11 1202/11/21 21:11 1202/11/21 21:11 1202/11/21		
CG:SI had wh		
Total 200.7 / 6010         200.8 / 6020:         8RCRA         13PPM         Texas 11         A         A         B         B         C </td <td>I         I</td> <td>U V Zn /7471</td>	I         I	U V Zn /7471
itutes a valid purchase order from client company to Eu Arbill not assume any trease or each voice 7 and a charton of CS for each comule or himthed fr	iated.	
Relinquished by: (Signature)	Relinquished by: (Signature) Received by: (Signature)	Date/Time
K		
0		

4 5 6

12/12/2024

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

#### Login Sample Receipt Checklist

Client: CDH Consulting

#### Login Number: 7458 List Number: 1 Creator: Bruns, Shannon

<6mm (1/4").

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	N/A	

14

#### Job Number: 890-7458-1

List Source: Eurofins Carlsbad

#### Login Sample Receipt Checklist

Client: CDH Consulting

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

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

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

14

Job Number: 890-7458-1

List Source: Eurofins Midland

List Creation: 12/12/24 07:51 AM

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



**Environment Testing** 

# **ANALYTICAL REPORT**

# PREPARED FOR

Attn: Michael Wicker CDH Consulting 9446 Clermont St, Thornton, Colorado 80229 Generated 12/13/2024 3:35:20 PM

## JOB DESCRIPTION

**JACKSON B-29Y** 

## **JOB NUMBER**

890-7466-1

Eurofins Carlsbad 1089 N Canal St. Carlsbad NM 88220

See page two for job notes and contact information

## **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

L

Generated 12/13/2024 3:35:20 PM

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

Eurofins Carlsbad is a laboratory within Eurofins Environment Testing South Central, LLC, a company within Eurofins Environment Testing Group of Companies

Page 128 of 277

# **Table of Contents**

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Client Sample Results	6
Surrogate Summary	9
QC Sample Results	10
QC Association Summary	14
Lab Chronicle	16
Certification Summary	17
Method Summary	18
Sample Summary	19
Chain of Custody	20
Receipt Checklists	21

Page 129 of 277

	Definitions/Glossary		
Client: CDH Co Project/Site: IA	nsulting .CKSON B-29Y	Job ID: 890-7466-1	2
Qualifiers			
GC VOA			3
Qualifier	Qualifier Description		
U	Indicates the analyte was analyzed for but not detected.		
GC Semi VOA			5
Qualifier	Qualifier Description		
F1	MS and/or MSD recovery exceeds control limits.		
S1-	Surrogate recovery exceeds control limits, low biased.		
U	Indicates the analyte was analyzed for but not detected.		
HPLC/IC			
Qualifier	Qualifier Description		8
U	Indicates the analyte was analyzed for but not detected.		
Glossary			g
Abbreviation	These commonly used abbreviations may or may not be present in this report.		4
<u> </u>	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		1
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		
	Palating Franz Datio (Dadio chamistra)		

Relative Error Ratio (Radiochemistry)

Toxicity Equivalent Factor (Dioxin)

Too Numerous To Count

Toxicity Equivalent Quotient (Dioxin)

Reporting Limit or Requested Limit (Radiochemistry)

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

RER

RL

RPD TEF

TEQ

TNTC

#### **Case Narrative**

Job ID: 890-7466-1

Page 130 of 277

Client: CDH Consulting Project: JACKSON B-29Y

#### **Eurofins Carlsbad**

#### Job Narrative 890-7466-1

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

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

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

#### Receipt

The samples were received on 12/12/2024 1:00 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 9.6°C.

#### GC VOA

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

#### **Diesel Range Organics**

Method 8015MOD NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-97819 and analytical batch 880-97844 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8015MOD NM: Surrogate recovery for the following samples were outside control limits: FL02@4' (890-7466-1), SW02 (890-7466-2) and SW03 (890-7466-3). Evidence of matrix interferences is not obvious.

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

#### HPLC/IC

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

Job ID: 890-7466-1

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

#### Client Sample ID: FL02@4'

Date Collected: 12/12/24 10:19 Date Received: 12/12/24 13:00 Lab Sample ID: 890-7466-1

Matrix: Solid

5

Sa

Method: SW846 8021B - Volatile	<b>Organic Comp</b>	ounds (GC)	)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/12/24 16:00	12/13/24 11:48	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/12/24 16:00	12/13/24 11:48	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/12/24 16:00	12/13/24 11:48	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		12/12/24 16:00	12/13/24 11:48	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		12/12/24 16:00	12/13/24 11:48	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/12/24 16:00	12/13/24 11:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130				12/12/24 16:00	12/13/24 11:48	1
1,4-Difluorobenzene (Surr)	100		70 - 130				12/12/24 16:00	12/13/24 11:48	1
Method: TAL SOP Total BTEX - 1	Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			12/13/24 11:48	1
Method: SW846 8015 NM - Diese	el Range Organ	ics (DRO) (	GC)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/13/24 13:39	1
Method: SW846 8015B NM - Dies	sel Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/13/24 09:37	12/13/24 13:39	1
Diesel Range Organics (Over C10-C28)	<50.0	U F1	50.0		mg/Kg		12/13/24 09:37	12/13/24 13:39	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/13/24 09:37	12/13/24 13:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	72		70 - 130				12/13/24 09:37	12/13/24 13:39	1
o-Terphenyl	65	S1-	70 - 130				12/13/24 09:37	12/13/24 13:39	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy - Solubl	e						
	D	Qualifier	RL	МП	Unit	D	Prepared	Analyzed	Dil Fac
Analyte	Result	Quaimer			onne		Treparea	Analyzea	Dirrac

#### Client Sample ID: SW02 Date Collected: 12/12/24 10:59

Date Received: 12/12/24 13:00

Method: SW846 8021B	<ul> <li>Volatile Organic</li> </ul>	Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		12/12/24 16:00	12/13/24 12:08	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		12/12/24 16:00	12/13/24 12:08	1
Toluene	<0.00202	U	0.00202		mg/Kg		12/12/24 16:00	12/13/24 12:08	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		12/12/24 16:00	12/13/24 12:08	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		12/12/24 16:00	12/13/24 12:08	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		12/12/24 16:00	12/13/24 12:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130				12/12/24 16:00	12/13/24 12:08	1
1,4-Difluorobenzene (Surr)	102		70 - 130				12/12/24 16:00	12/13/24 12:08	1

Eurofins Carlsbad

Lab Sample ID: 890-7466-2

Matrix: Solid

#### **Client Sample Results**

Job ID: 890-7466-1

Matrix: Solid

5

Lab Sample ID: 890-7466-2

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

Client Sample ID: SW02
Date Collected: 12/12/24 10:59

Date Received: 12/12/24 13:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			12/13/24 12:08	1
Method: SW846 8015 NM - Diese	I Range Organ	ics (DRO) (	GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			12/13/24 14:50	1
Method: SW846 8015B NM - Dies	el Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.8	U	49.8		mg/Kg		12/13/24 09:37	12/13/24 14:50	
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.8	U	49.8		mg/Kg		12/13/24 09:37	12/13/24 14:50	
C10-C28)									
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/13/24 09:37	12/13/24 14:50	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	78		70 - 130				12/13/24 09:37	12/13/24 14:50	1
o-Terphenyl	67	S1-	70 - 130				12/13/24 09:37	12/13/24 14:50	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy - Solubl	e						
Analyte	• • •	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1480		49.9		mg/Kg			12/13/24 11:46	

#### Client Sample ID: SW03

Date Collected: 12/12/24 07:43 Date Received: 12/12/24 13:00

#### Lab Sample ID: 890-7466-3 Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/12/24 16:00	12/13/24 12:29	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/12/24 16:00	12/13/24 12:29	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/12/24 16:00	12/13/24 12:29	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/12/24 16:00	12/13/24 12:29	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/12/24 16:00	12/13/24 12:29	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/12/24 16:00	12/13/24 12:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130				12/12/24 16:00	12/13/24 12:29	1
1,4-Difluorobenzene (Surr)	102		70 - 130				12/12/24 16:00	12/13/24 12:29	1

Analyte Total BTEX	Result           <0.00398	Qualifier U	RL 0.00398	MDL	Unit mg/Kg	<u> </u>	Prepared	Analyzed 12/13/24 12:29	Dil Fac
 Method: SW846 8015 NM	- Diesel Range Organ	ics (DRO) (C	GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte Total TPH	Result <50.0		RL	MDL	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 12/13/24 15:06	Dil Fac
	<50.0	U	50.0	MDL		D	Prepared	·	Dil Fac

Analyte	Result	Quaimer		MDL	Unit	 riepareu	Analyzeu	Dirrac
Gasoline Range Organics	<50.0	U	50.0		mg/Kg	 12/13/24 09:37	12/13/24 15:06	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg	12/13/24 09:37	12/13/24 15:06	1
C10-C28)								

#### **Client Sample Results**

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

#### Client Sample ID: SW03

Date Collected: 12/12/24 07:43 Date Received: 12/12/24 13:00 Job ID: 890-7466-1

# Lab Sample ID: 890-7466-3

Matrix: Solid

5

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/13/24 09:37	12/13/24 15:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	75		70 - 130				12/13/24 09:37	12/13/24 15:06	1
o-Terphenyl	64	S1-	70 - 130				12/13/24 09:37	12/13/24 15:06	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy - Solubl	e						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	392		10.1		mg/Kg			12/13/24 11:51	

Eurofins Carlsbad

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

Job	ID:	890-7466-1

Page 134 of 277

# Prep Type: Total/NA

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

Matrix: Solid

				Percent Surrogate Recovery (Acceptance Limits)
		BFB1	DFBZ1	
ample ID	Client Sample ID	(70-130)	(70-130)	
6-1	FL02@4'	101	100	
66-1 MS	FL02@4'	102	101	
66-1 MSD	FL02@4'	98	102	
6-2	SW02	96	102	
66-3	SW03	97	102	
80-97774/1-A	Lab Control Sample	99	100	
880-97774/2-A	Lab Control Sample Dup	100	100	
80-97774/5-A	Method Blank	96	95	
rrogate Legend				

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

#### Matrix: Solid

				Percent Surrogate Re
		1CO1	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
890-7466-1	FL02@4'	72	65 S1-	
890-7466-1 MS	FL02@4'	91	71	
890-7466-1 MSD	FL02@4'	92	73	
890-7466-2	SW02	78	67 S1-	
890-7466-3	SW03	75	64 S1-	
LCS 880-97819/2-A	Lab Control Sample	121	103	
LCSD 880-97819/3-A	Lab Control Sample Dup	117	95	

#### Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Prep Type: Total/NA

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

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

Lab Sample ID: MB 880-97774/5-A Matrix: Solid Analysis Batch: 97791	мв	МВ						Client Sa	mple ID: Metho Prep Type: <sup>-</sup> Prep Bato	Total/NA
Analyte		Qualifier	RL	м	DL Unit		D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/K	g		12/12/24 16:00	12/13/24 11:26	1
Ethylbenzene	<0.00200	U	0.00200		mg/K	g		12/12/24 16:00	12/13/24 11:26	1
Toluene	<0.00200	U	0.00200		mg/K	g		12/12/24 16:00	12/13/24 11:26	1
Xylenes, Total	<0.00400	U	0.00400		mg/K	g		12/12/24 16:00	12/13/24 11:26	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/K	g		12/12/24 16:00	12/13/24 11:26	1
o-Xylene	<0.00200	U	0.00200		mg/K	g		12/12/24 16:00	12/13/24 11:26	1
	МВ	МВ								
Surrogate	%Recovery	Qualifier	Limits					Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130				-	12/12/24 16:00	12/13/24 11:26	1
1,4-Difluorobenzene (Surr)	95		70 - 130					12/12/24 16:00	12/13/24 11:26	1
Lab Sample ID: LCS 880-97774/1-A Matrix: Solid Analysis Batch: 97791							Cli	ient Sample I	D: Lab Control Prep Type: <sup>-</sup> Prep Batcl	Total/NA
-			Spike	LCS L	.cs				%Rec	
Analyte			Added	Result C	Qualifier	Unit		D %Rec	Limits	

Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.1130		mg/Kg		113	70 - 130	
Ethylbenzene	0.100	0.1054		mg/Kg		105	70 - 130	
Toluene	0.100	0.1106		mg/Kg		111	70 - 130	
m-Xylene & p-Xylene	0.200	0.2035		mg/Kg		102	70 - 130	
o-Xylene	0.100	0.1131		mg/Kg		113	70 - 130	

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

#### Lab Sample ID: LCSD 880-97774/2-A

#### Matrix: Solid alvala Datak . 07704

						Prep Batch: 97		97774
Spike	LCSD	LCSD				%Rec		RPD
Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
0.100	0.1211		mg/Kg		121	70 - 130	7	35
0.100	0.1128		mg/Kg		113	70 - 130	7	35
0.100	0.1176		mg/Kg		118	70 - 130	6	35
0.200	0.2190		mg/Kg		110	70 - 130	7	35
0.100	0.1207		mg/Kg		121	70 - 130	7	35
	Added 0.100 0.100 0.100 0.200	Added         Result           0.100         0.1211           0.100         0.1128           0.100         0.1176           0.200         0.2190	Added         Result         Qualifier           0.100         0.1211         0.101         0.1211           0.100         0.1128         0.1128         0.101           0.100         0.1176         0.200         0.2190	Added         Result         Qualifier         Unit           0.100         0.1211         mg/Kg           0.100         0.1128         mg/Kg           0.100         0.1176         mg/Kg           0.200         0.2190         mg/Kg	Added         Result         Qualifier         Unit         D           0.100         0.1211         mg/Kg           0.100         0.1128         mg/Kg           0.100         0.1176         mg/Kg           0.200         0.2190         mg/Kg	Added         Result         Qualifier         Unit         D         %Rec           0.100         0.1211         mg/Kg         121           0.100         0.1128         mg/Kg         113           0.100         0.1176         mg/Kg         118           0.200         0.2190         mg/Kg         110	Spike         LCSD         LCSD         Wrep           Added         Result         Qualifier         Unit         D         %Rec         Minits           0.100         0.1211         mg/Kg         121         70 - 130           0.100         0.1128         mg/Kg         113         70 - 130           0.100         0.1176         mg/Kg         118         70 - 130           0.200         0.2190         mg/Kg         110         70 - 130	Spike         LCSD         LCSD         %Rec           Added         Result         Qualifier         Unit         D         %Rec         Limits         RPD           0.100         0.1211         mg/Kg         121         70 - 130         7           0.100         0.1128         mg/Kg         113         70 - 130         7           0.100         0.1176         mg/Kg         118         70 - 130         6           0.200         0.2190         mg/Kg         110         70 - 130         7

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

#### Lab Sample ID: 890-7466-1 MS Matrix: Solid

#### Analysis Batch: 97791

Analysis Batch: 97791									Prep	Batch: 97774
	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00200	U	0.101	0.1144		mg/Kg		113	70 - 130	
Ethylbenzene	<0.00200	U	0.101	0.1051		mg/Kg		104	70 - 130	

Eurofins Carlsbad

Client Sample ID: FL02@4'

Prep Type: Total/NA

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

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

Lab Sample ID: 890-7466-1 MS

Analysis Batch: 97791

4-Bromofluorobenzene (Surr)

Analysis Batch: 97791

Lab Sample ID: 890-7466-1 MSD

1,4-Difluorobenzene (Surr)

Matrix: Solid

m-Xylene & p-Xylene

Analyte

Toluene

o-Xylene

Surrogate

Matrix: Solid

Analyte

Benzene

Ethylbenzene Toluene

<0.00200 U

<0.00200 U

<0.00200 U

<0.00200

%Recovery

<0.00401 U <0.00200 U

ic Cor	mpounds	(GC) (Conti	inued)								3
							Cli		e ID: FL ype: To Batch:	tal/NA	4
Sample	Sample	Spike	MS	MS				%Rec		•••••	5
•	Qualifier	Added		Qualifier	Unit	D	%Rec	Limits			J
0.00200	U	0.101	0.1101		mg/Kg		109	70 - 130			
0.00401	U	0.202	0.2012		mg/Kg		100	70 - 130			
0.00200	U	0.101	0.1097		mg/Kg		109	70 - 130			7
MS	MS										-
Recovery	Qualifier	Limits									2
102	Quanner	70 - 130									0
102		70 - 130									0
											3
							Cli	ient Sample Prep T	e ID: FL ype: To		
								Prep	Batch:	97774	
Sample	Sample	Spike	MSD	MSD				%Rec		RPD	
Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
0.00200	U	0.0998	0.1152		mg/Kg		115	70 - 130	1	35	
0.00200	U	0.0998	0.1041		mg/Kg		104	70 - 130	1	35	

mg/Kg

mg/Kg

mg/Kg

110

100

110

70 - 130

70 - 130

70 - 130

0

0

1

35

35

35

m-Xylene & p-Xylene	<0.00401	U	0.200
o-Xylene	<0.00200	U	0.0998
	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		70 - 130
			70 - 130

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

Lab Sample ID: LCS 880-97819/2-A Matrix: Solid Analysis Batch: 97844					Client	Sample	Prep <sup>-</sup> Prep	ontrol Sample Type: Total/NA 9 Batch: 97819
	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	1000	1143		mg/Kg		114	70 - 130	
(GRO)-C6-C10								
Diesel Range Organics (Over	1000	966.1		mg/Kg		97	70 - 130	
C10-C28)								

0.0998

0.1098

0.2005

0.1102

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	121		70 - 130
o-Terphenyl	103		70 - 130

#### Lab Sample ID: LCSD 880-97819/3-A Matrix: Solid Analysis Batch: 97844

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	1000	1193		mg/Kg		119	70 - 130	4	20
(GRO)-C6-C10									
Diesel Range Organics (Over	1000	904.1		mg/Kg		90	70 - 130	7	20
C10-C28)									

Prep Type: Total/NA

Prep Batch: 97819

#### **Eurofins Carlsbad**

Client Sample ID: Lab Control Sample Dup

Page 136 of 277 Job ID: 890-7466-1

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

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

Lab Sample ID: LCSD 880-9781	9/3 <b>-A</b>					Clier	nt Sam	ple ID:	Lab Contro		
Matrix: Solid										ype: To	
Analysis Batch: 97844									Prep	Batch:	9781
	LCSD	LCSD									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	117		70 - 130								
o-Terphenyl	95		70 - 130								
Lab Sample ID: 890-7466-1 MS								CI	ient Sample	ID: FL	.02@4
Matrix: Solid										ype: To	_
Analysis Batch: 97844									Prep	Batch:	9781
-	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	999	899.3		mg/Kg		90	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U F1	999	660.4	F1	mg/Kg		64	70 - 130		
	MS	MS									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	91		70 _ 130								
o-Terphenyl	71		70 - 130								
Lab Sample ID: 890-7466-1 MSE	)							CI	ient Sample	ID: FL	.02@4
Matrix: Solid									Prep T	ype: To	tal/N
Analysis Batch: 97844									Prep	Batch:	<b>9781</b>
	Sample	Sample	Spike	MSD	MSD				%Rec		RP
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Lim
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	999	907.6		mg/Kg		91	70 - 130	1	2
Diesel Range Organics (Over	<50.0	U F1	999	666.1	F1	mg/Kg		65	70 - 130	1	2
C10-C28)											
	MSD	MSD									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	92		70 - 130								
o-Terphenyl	73		70 - 130								

Lab Sample ID: MB 880-97788/1-A Matrix: Solid										C	Client S	ample ID: Metho Prep Type:	
Analysis Batch: 97814													
	MB	MB											
Analyte	Result	Qualifier		RL		MDL	Unit		D	Pre	pared	Analyzed	Dil Fac
Chloride	<10.0	U		10.0			mg/Kg	1				12/13/24 09:23	1
_ Lab Sample ID: LCS 880-97788/2-A									Clie	ent S	Sample	ID: Lab Control	Sample
Matrix: Solid												Prep Type:	Soluble
Analysis Batch: 97814													
			Spike		LCS	LCS						%Rec	
Analyte			Added		Result	Qual	ifier	Unit	I	D	%Rec	Limits	
Chloride			250		237.4			mg/Kg			95	90 - 110	

Client: CDH Consulting Project/Site: JACKSON B-29Y Job ID: 890-7466-1

#### Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 880-97788/3-A Matrix: Solid			Clie	nt San	nple ID:	Lab Contro Prep	ol Sampl Type: So		
Analysis Batch: 97814           Analyte	<b>Spike</b> <u>Added</u> 250	LCSD Qualifier	_ <mark>Unit</mark> mg/Kg	<u>D</u>	<b>%Rec</b>	%Rec Limits 90 - 110	0	RPD Limit 20	5
									7
									8

Client: CDH Consulting Project/Site: JACKSON B-29Y Job ID: 890-7466-1

#### **GC VOA**

#### Prep Batch: 97774

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7466-1	FL02@4'	Total/NA	Solid	5035	
890-7466-2	SW02	Total/NA	Solid	5035	
890-7466-3	SW03	Total/NA	Solid	5035	
MB 880-97774/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-97774/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-97774/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-7466-1 MS	FL02@4'	Total/NA	Solid	5035	
890-7466-1 MSD	FL02@4'	Total/NA	Solid	5035	

#### Analysis Batch: 97791

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch	
890-7466-1	FL02@4'	Total/NA	Solid	8021B	97774	
890-7466-2	SW02	Total/NA	Solid	8021B	97774	
890-7466-3	SW03	Total/NA	Solid	8021B	97774	
MB 880-97774/5-A	Method Blank	Total/NA	Solid	8021B	97774	
LCS 880-97774/1-A	Lab Control Sample	Total/NA	Solid	8021B	97774	
LCSD 880-97774/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	97774	
890-7466-1 MS	FL02@4'	Total/NA	Solid	8021B	97774	4.5
890-7466-1 MSD	FL02@4'	Total/NA	Solid	8021B	97774	13
Analysis Batch: 97859						
Analysis Batch. 97059						

	Method Prep Batch
890-7466-1         FL02@4'         Total/NA         Solid         To	Total BTEX
890-7466-2 SW02 Total/NA Solid To	lotal BTEX
890-7466-3 SW03 Total/NA Solid To	Total BTEX

#### GC Semi VOA

#### Prep Batch: 97819

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7466-1	FL02@4'	Total/NA	Solid	8015NM Prep	
890-7466-2	SW02	Total/NA	Solid	8015NM Prep	
890-7466-3	SW03	Total/NA	Solid	8015NM Prep	
LCS 880-97819/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-97819/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-7466-1 MS	FL02@4'	Total/NA	Solid	8015NM Prep	
890-7466-1 MSD	FL02@4'	Total/NA	Solid	8015NM Prep	

#### Analysis Batch: 97844

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7466-1	FL02@4'	Total/NA	Solid	8015B NM	97819
890-7466-2	SW02	Total/NA	Solid	8015B NM	97819
890-7466-3	SW03	Total/NA	Solid	8015B NM	97819
LCS 880-97819/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	97819
LCSD 880-97819/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	97819
890-7466-1 MS	FL02@4'	Total/NA	Solid	8015B NM	97819
890-7466-1 MSD	FL02@4'	Total/NA	Solid	8015B NM	97819

#### Analysis Batch: 97876

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7466-1	FL02@4'	Total/NA	Solid	8015 NM	

Job ID: 890-7466-1

5

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

#### GC Semi VOA (Continued)

#### Analysis Batch: 97876 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7466-2	SW02	Total/NA	Solid	8015 NM	
890-7466-3	SW03	Total/NA	Solid	8015 NM	

#### HPLC/IC

#### Leach Batch: 97788

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7466-1	FL02@4'	Soluble	Solid	DI Leach	
890-7466-2	SW02	Soluble	Solid	DI Leach	
890-7466-3	SW03	Soluble	Solid	DI Leach	
MB 880-97788/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-97788/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-97788/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
Analysis Batch: 97814					
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7466-1	FL02@4'	Soluble	Solid	300.0	97788
890-7466-2	SW02	Soluble	Solid	300.0	97788

890-7466-2	5002	Soluble	Solia	300.0	97788	
890-7466-3	SW03	Soluble	Solid	300.0	97788	
MB 880-97788/1-A	Method Blank	Soluble	Solid	300.0	97788	
LCS 880-97788/2-A	Lab Control Sample	Soluble	Solid	300.0	97788	
LCSD 880-97788/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	97788	

Job ID: 890-7466-1

Matrix: Solid

Matrix: Solid

Matrix: Solid

Lab Sample ID: 890-7466-1

Lab Sample ID: 890-7466-2

Lab Sample ID: 890-7466-3

# Project/Site: JACKSON B-29Y Client Sample ID: FL02@4'

**Client: CDH Consulting** 

#### Date Collected: 12/12/24 10:19 Date Received: 12/12/24 13:00

	Batch	Batch		Dilution	Batch			Prepared
Ргер Туре	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5035			97774	MNR	EET MID	12/12/24 16:00
Total/NA	Analysis	8021B		1	97791	MNR	EET MID	12/13/24 11:48
Total/NA	Analysis	Total BTEX		1	97859	AJ	EET MID	12/13/24 11:48
Total/NA	Analysis	8015 NM		1	97876	AJ	EET MID	12/13/24 13:39
Total/NA	Prep	8015NM Prep			97819	EL	EET MID	12/13/24 09:37
Total/NA	Analysis	8015B NM		1	97844	ткс	EET MID	12/13/24 13:39
Soluble	Leach	DI Leach			97788	SA	EET MID	12/13/24 07:53
Soluble	Analysis	300.0		5	97814	СН	EET MID	12/13/24 11:41

#### Client Sample ID: SW02

#### Date Collected: 12/12/24 10:59

Date Received: 12/12/24 13:00

	Batch	Batch		Dilution	Batch			Prepared
Ргер Туре	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5035			97774	MNR	EET MID	12/12/24 16:00
Total/NA	Analysis	8021B		1	97791	MNR	EET MID	12/13/24 12:08
Total/NA	Analysis	Total BTEX		1	97859	AJ	EET MID	12/13/24 12:08
īotal/NA	Analysis	8015 NM		1	97876	AJ	EET MID	12/13/24 14:50
Fotal/NA	Prep	8015NM Prep			97819	EL	EET MID	12/13/24 09:37
Total/NA	Analysis	8015B NM		1	97844	ТКС	EET MID	12/13/24 14:50
Soluble	Leach	DI Leach			97788	SA	EET MID	12/13/24 07:53
Soluble	Analysis	300.0		5	97814	CH	EET MID	12/13/24 11:46

#### Client Sample ID: SW03 Date Collected: 12/12/24 07:43

#### Date Received: 12/12/24 13:00

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5035			97774	MNR	EET MID	12/12/24 16:00
Total/NA	Analysis	8021B		1	97791	MNR	EET MID	12/13/24 12:29
Total/NA	Analysis	Total BTEX		1	97859	AJ	EET MID	12/13/24 12:29
Total/NA	Analysis	8015 NM		1	97876	AJ	EET MID	12/13/24 15:06
Total/NA	Prep	8015NM Prep			97819	EL	EET MID	12/13/24 09:37
Total/NA	Analysis	8015B NM		1	97844	ткс	EET MID	12/13/24 15:06
Soluble	Leach	DI Leach			97788	SA	EET MID	12/13/24 07:53
Soluble	Analysis	300.0		1	97814	СН	EET MID	12/13/24 11:51

#### Laboratory References:

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

Eurofins Carlsbad

Accreditation/Certification Summary

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

Laboratory: Eurofins Midland

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

Authority	Progra	m	Identification Number	Expiration Date
Texas	NELAP	1	T104704400	06-30-25
TI C II - I				والمتحدين والمتحاص والمتحاد والمتحاد والمتحاص والمتحاص والمتحال والمتحال والمتحال والمتحال والمتحال والمتحا
for which the agenc	y does not offer certification.	,	ed by the governing authority. This lis	t may include analytes
for which the agence Analysis Method	1 /	Matrix	Analyte	t may include analytes
for which the agenc	y does not offer certification.	,	, , , , ,	t may include analytes

10

Job ID: 890-7466-1

#### **Method Summary**

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

Method

8021B

Total BTEX 8015 NM

8015B NM

8015NM Prep

300.0

5035

DI Leach

Job ID: 890-7466-1

ect/Site: JA	ACKSON B-29Y		
bd	Method Description	Protocol	Laboratory
3	Volatile Organic Compounds (GC)	SW846	EET MID
BTEX	Total BTEX Calculation	TAL SOP	EET MID
NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
3 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
	Anions, Ion Chromatography	EPA	EET MID
	Closed System Purge and Trap	SW846	EET MID
IM Prep	Microextraction	SW846	EET MID
ach	Deionized Water Leaching Procedure	ASTM	EET MID
otocol Refe	rences:		
ASTM = AS	STM International		
	Environmental Protection Agency		
	Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Ec	altion, November 1986 And Its Updates.	
TAL SOP =	<ul> <li>TestAmerica Laboratories, Standard Operating Procedure</li> </ul>		

#### Laboratory References:

Protocol References:

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

11 12 13

Job ID: 890-7466-1

Page 144 of 277

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

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	
890-7466-1	FL02@4'	Solid	12/12/24 10:19	12/12/24 13:00	4
890-7466-2	SW02	Solid	12/12/24 10:59	12/12/24 13:00	
890-7466-3	SW03	Solid	12/12/24 07:43	12/12/24 13:00	

.
		1 Ma	3-00 10				uhu	a	Conto	Westah Co
Received by: (Signature) Date/Time	Received by	Relinquished by: (Signature)	Date/Time		ature)	Received by: (Signature)	Receive	ature)	by: (Signa	Relinquished by: (Signature)
senancons the control y negotiated.	forced unless previou	Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its athliates and subcontractors. It assigns standard, terms and condutons 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 \$55.00 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.	company to Eurofins Xe any losses or expenses i le submitted to Eurofins	r from client onsibility for a or each sampl	purchase order sume any respo charge of \$5 fo	stitutes a valid id shall not ass project and a	f samples cons t of samples an applied to each	and relinquishment c lable only for the cos rge of \$85.00 will be	iis document a enco will be lla minimum char	tice: Signature of th service. Eurofins X Eurofins Xenco. A r
	at and and farms and	OU AS DE DE CU VI CU CU FU MII MIV IN OS AS I O								Ircie Method(s)
Ho: 1631 / 245 1 / 7470 / 7471	2.04			ODCDA			- 84			
					1 11 1		2		11	
				-						
				Comp 1	6	54:45	here el-pl	S		5003
				comp 1	e	10:59	12-12-201 NOC-61-61	S		SWOD
				Comp 1	4 6	10:19	HEOP-CI-FI	N		FUDDEH
Sample Comments			NI	Grab/ # of Comp Cont	Depth C	Time Sampled	Date Sampled	n Matrix	Sample Identification	Sample Id
NaOH+Ascorbic Acid: SAPC			M.		9.6	emperature:	Corrected Temperature:			Total Containers:
Zn Acetate+NaOH: Zn			- 8		8.8	e Reading:	Temperature Reading:	Yes No MA		Sample Custody Seals:
			26	P	-0,2	actor:	Correction Factor:	NO (NIA)		Cooler Custody Seals:
NaHSO4: NABIS			Di	1	tynue	er ID:	Thermometer ID:	NO SI		Samples Received Intact:
H <sub>3</sub> PO <sub>4</sub> : HP			2	mete	(Yes No	Wet Ice:	(Yes No	Temp Blank:	EIPT	SAMPLE RECEIPT
10				-	the lab, if received by 4:30pm	the lab, if re			120000	PO #
					he day reneive	TAT starts th			7-5-5-	Sampler's Name:
Cool: Cool MeOH: Me					12-13-2024	Due Date:		HIS NM	ino	mient I onation.
None: NO DI Water: H <sub>2</sub> O				Pres.	Rush	Routine			2	Project Number:
Preservative Codes		ANALYSIS REQUEST			Turn Around	Turi	4	lackson B-294	hacks	Project Name:
890-7466 CHRINE		Deliverables:	cdh consult.com	ered	Email: Kiwickere	Email	8459	8-010-5	616	Phone:
Chain of Custody		Reporting: Le		ZIP:	City, State ZIP:	-				City, State ZIP:
	f Proj	State of Proj			Address:					Address:
	m: U	Program: Ut		Vame:	Company Name:		ING	Consult	CDH	Company Name:
				ferent)	Bill to: (if different)		Lev	hael Wid	MIC	Project Manager:

eurofins

13

# 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

Job Number: 890-7466-1

List Source: Eurofins Carlsbad

## Login Sample Receipt Checklist

Client: CDH Consulting

## Login Number: 7466 List Number: 1

Creator:	Lopez,	Abra	ham	
• •				

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	

Job Number: 890-7466-1

List Source: Eurofins Midland

List Creation: 12/13/24 08:02 AM

## Login Sample Receipt Checklist

Client: CDH Consulting

Login Number: 7466 List Number: 2 Creator: Vasquez, Julisa

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	N/A	

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

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



**Environment Testing** 

# **ANALYTICAL REPORT**

# PREPARED FOR

Attn: Michael Wicker CDH Consulting 9446 Clermont St, Thornton, Colorado 80229 Generated 12/16/2024 3:44:23 PM

# JOB DESCRIPTION

JACKSON B - 29Y LOCO HILLS

# **JOB NUMBER**

890-7471-1

Eurofins Carlsbad 1089 N Canal St. Carlsbad NM 88220

See page two for job notes and contact information



# **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

L

Generated 12/16/2024 3:44:23 PM

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

Eurofins Carlsbad is a laboratory within Eurofins Environment Testing South Central, LLC, a company within Eurofins Environment Testing Group of Companies

Laboratory Job ID: 890-7471-1 SDG: LOCO HILLS

# **Table of Contents**

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Client Sample Results	6
Surrogate Summary	7
QC Sample Results	8
QC Association Summary	11
Lab Chronicle	12
Certification Summary	13
Method Summary	14
Sample Summary	15
Chain of Custody	16
Receipt Checklists	17

## **Definitions/Glossary**

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

Client: CDH Co Project/Site: JA	onsulting ACKSON B - 29Y	Job ID: 890-7471-1 SDG: LOCO HILLS	2
Qualifiers			3
GC VOA			
Qualifier	Qualifier Description		4
U	Indicates the analyte was analyzed for but not detected.		
GC Semi VOA			5
Qualifier	Qualifier Description		
S1-	Surrogate recovery exceeds control limits, low biased.		
U	Indicates the analyte was analyzed for but not detected.		
HPLC/IC Qualifier	Qualifier Description		
	Qualifier Description Indicates the analyte was analyzed for but not detected.		G
	חתוסמנסי עום מחמוצום שמש מחמוצבם וטו שנו חטו עבובטובע.		
Glossary			
Abbreviation	These commonly used abbreviations may or may not be present in this report.		
<u></u> Ф	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		

Presumptive

Quality Control

Relative Error Ratio (Radiochemistry)

Toxicity Equivalent Factor (Dioxin)

Too Numerous To Count

Toxicity Equivalent Quotient (Dioxin)

Reporting Limit or Requested Limit (Radiochemistry)

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

PRES

QC

RER RL

RPD TEF

TEQ

TNTC

**Case Narrative** 

Job ID: 890-7471-1

Page 152 of 277

#### Client: CDH Consulting Project: JACKSON B - 29Y

## **Eurofins Carlsbad**

Job ID: 890-7471-1

#### Job Narrative 890-7471-1

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

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

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

#### Receipt

The sample was received on 12/13/2024 11:49 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.6°C.

#### **Receipt Exceptions**

The following sample was received and analyzed from an unpreserved bulk soil jar: SW 10 (890-7471-1).

#### GC VOA

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

#### **Diesel Range Organics**

Method 8015MOD NM: The surrogate recovery for the blank associated with preparation batch 880-97706 and analytical batch 880-97954 was outside the control limits.

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

#### HPLC/IC

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

**Eurofins Carlsbad** 

Job ID: 890-7471-1 SDG: LOCO HILLS

Lab Sample ID: 890-7471-1

Matrix: Solid

5

#### Client Sample ID: SW 10 Date Collected: 12/13/24 10:07 Date Received: 12/13/24 11:49

Project/Site: JACKSON B - 29Y

**Client: CDH Consulting** 

Г

Method: SW846 8021B - Volatile	<b>Organic Comp</b>	ounds (GC)	)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	< 0.00202	U	0.00202		mg/Kg		12/16/24 10:12	12/16/24 14:10	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		12/16/24 10:12	12/16/24 14:10	1
Toluene	<0.00202	U	0.00202		mg/Kg		12/16/24 10:12	12/16/24 14:10	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		12/16/24 10:12	12/16/24 14:10	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		12/16/24 10:12	12/16/24 14:10	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		12/16/24 10:12	12/16/24 14:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130				12/16/24 10:12	12/16/24 14:10	1
1,4-Difluorobenzene (Surr)	106		70 - 130				12/16/24 10:12	12/16/24 14:10	1
Method: TAL SOP Total BTEX - 1	Total BTEX Cal	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			12/16/24 14:10	1
Method: SW846 8015 NM - Diese	A Range Organ	ics (DRO) (	GC)						
Analyte	• •	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/16/24 14:43	1
Method: SW846 8015B NM - Dies	sel Range Orga	nics (DRO)	(GC)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9		mg/Kg		12/12/24 09:47	12/16/24 14:43	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.9	U	49.9		mg/Kg		12/12/24 09:47	12/16/24 14:43	1
C10-C28) Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/12/24 09:47	12/16/24 14:43	1
Sumanata	% Decessory	Qualifier	Limits				Dramawad	Analyzed	Dil Fac
Surrogate 1-Chlorooctane	% <b>Recovery</b> 82	Quaimer	70 - 130				Prepared 12/12/24 09:47	Analyzed 12/16/24 14:43	1
	82 72								-
o-Terphenyl	12		70 - 130				12/12/24 09:47	12/16/24 14:43	1
Method: EPA 300.0 - Anions, Ion		-					_		
Analyte		Qualifier	RL	MDL		<u>D</u>	Prepared	Analyzed	Dil Fac
Chloride	481		10.0		mg/Kg			12/16/24 10:22	1

Eurofins Carlsbad

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

Client: CDH Consulting Project/Site: JACKSON B - 29Y Job ID: 890-7471-1 SDG: LOCO HILLS

Prep Type: Total/NA

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

#### Matrix: Solid

				Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1		
Lab Sample ID	Client Sample ID	(70-130)	(70-130)		5
890-7471-1	SW 10	112	106	·	
LCS 880-97932/1-A	Lab Control Sample	107	104		6
LCSD 880-97932/2-A	Lab Control Sample Dup	108	104		
MB 880-97932/5-A	Method Blank	107	102		
Surrogate Legend BFB = 4-Bromofluorobe	enzene (Surr)				8
DFBZ = 1,4-Difluorober					
Method: 8015B NM	I - Diesel Range Organics	s (DRO) (GC	;)		9
Matrix: Solid			-	Prep Type: Total/NA	
				Percent Surrogate Recovery (Acceptance Limits)	

		1CO1	OTPH1	reitent ourlogate Necovery (Acceptance Linits)	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)		
890-7471-1	SW 10	82	72	·	
LCS 880-97706/2-A	Lab Control Sample	122	99		
LCSD 880-97706/3-A	Lab Control Sample Dup	116	93		13
MB 880-97706/1-A	Method Blank	70	63 S1-		
Surrogate Legend					
Currogato Logona					

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Page 154 of 277

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

Lab Sample ID: MB 880-97932/5-A Matrix: Solid Analysis Batch: 97908							Client Sa	mple ID: Metho Prep Type: ⊺ Prep Batch	Total/NA
	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/16/24 10:12	12/16/24 12:06	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/16/24 10:12	12/16/24 12:06	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/16/24 10:12	12/16/24 12:06	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/16/24 10:12	12/16/24 12:06	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/16/24 10:12	12/16/24 12:06	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/16/24 10:12	12/16/24 12:06	1
	МВ	МВ							
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130				12/16/24 10:12	12/16/24 12:06	1
1,4-Difluorobenzene (Surr)	102		70 - 130				12/16/24 10:12	12/16/24 12:06	1
_ Lab Sample ID: LCS 880-97932/1-A						c	lient Sample I	D: Lab Control	Sample
Matrix: Solid								Prep Type: 1	

#### Analysis Batch: 97908

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.08870		mg/Kg		89	70 - 130	
Ethylbenzene	0.100	0.1031		mg/Kg		103	70 - 130	
Toluene	0.100	0.09748		mg/Kg		97	70 - 130	
m-Xylene & p-Xylene	0.200	0.2073		mg/Kg		104	70 - 130	
o-Xylene	0.100	0.1103		mg/Kg		110	70 - 130	

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

#### Lab Sample ID: LCSD 880-97932/2-A

## Matrix: Solid

Analysis Batch: 97908							Prep	Batch:	97932
	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.09076		mg/Kg		91	70 - 130	2	35
Ethylbenzene	0.100	0.1073		mg/Kg		107	70 - 130	4	35
Toluene	0.100	0.1010		mg/Kg		101	70 - 130	4	35
m-Xylene & p-Xylene	0.200	0.2148		mg/Kg		107	70 - 130	4	35
o-Xylene	0.100	0.1148		mg/Kg		115	70 - 130	4	35

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Prep Batch: 97932

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Page 155 of 277

Job ID: 890-7471-1 SDG: LOCO HILLS

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

Lab Sample ID: MB 880-97706/	'1-A								Client S	ample ID: M	ethod	Blan
Matrix: Solid										Prep Ty	pe: To	tal/N/
Analysis Batch: 97954										Prep E	atch:	9770
	N	ИВ МВ										
Analyte	Res	ult Qualifi	ier	RL	MDL	Unit		D	Prepared	Analyzeo	ł	Dil Fa
Gasoline Range Organics	<50	0.0 U		50.0		mg/K	3		2/12/24 09:47	12/16/24 10	:10	
GRO)-C6-C10												
Diesel Range Organics (Over	<50	).0 U		50.0		mg/K	9	1	12/12/24 09:47	12/16/24 10	:10	
C10-C28)												
Dil Range Organics (Over C28-C36)	<50	0.0 U		50.0		mg/K	9	1	12/12/24 09:47	12/16/24 10	:10	
	л	MB MB										
Surrogate	%Recove		ier Limit	s					Prepared	Analyze	1	Dil Fa
I-Chlorooctane		70	70 - 1					-	12/12/24 09:47			
p-Terphenyl		63 S1-	70 - 1						12/12/24 09:47			
		00 07	10-11							12102110		
Lab Sample ID: LCS 880-97706	6/2-A							Cli	ent Sample	ID: Lab Cor	itrol S	ampl
Matrix: Solid										Prep Ty		
Analysis Batch: 97954										Prep E	-	
			Spike	LC	S LCS	;				%Rec		
Analyte			Added		lt Qua		Unit		D %Rec	Limits		
Gasoline Range Organics			1000	120		-	mg/Kg		121	70 - 130		
GRO)-C6-C10												
Diesel Range Organics (Over			1000	943	1		mg/Kg		94	70 - 130		
C10-C28)												
	LCS L	<u> </u>										
		Qualifier	Limits									
Surrogate	<u> </u>	uaimer	70 - 130									
-Terphenyl	99		70 - 130									
Lab Sample ID: LCSD 880-977	06/3-4						Cli	ont S	amnia ID· I	ab Control	Samn	ىرا ما
Matrix: Solid							011		ampie ib. E	Prep Ty		
											-	
Analysis Batch: 97954			Spike	1.09	D LCS	n				Prep E %Rec	alcn.	RP
naluta			Added		lt Qua		Unit		D %Rec	Limits	RPD	Lim
Analyte			Added	117		inter				70 - 130	3	
Gasoline Range Organics GRO)-C6-C10			1000	117	/		mg/Kg		118	70 - 130	3	2
Diesel Range Organics (Over			1000	893	0		mg/Kg		89	70 - 130	5	2
C10-C28)			1000	000	0		mg/rtg		00	101100	Ũ	
· · · · · · · · · · · · · · · · · · ·												
	LCSD L											
Surrogate	%Recovery	Qualifier	Limits									
1-Chlorooctane	116		70 - 130									
p-Terphenyl	93		70 - 130									
ethod: 300.0 - Anions, Io	n Chromato	aranhy										
etiloa. 300.0 - Alliolis, Iol		grapity										
_ab Sample ID: MB 880-97904/	'1-A								Client S	ample ID: M	ethod	Blan
Matrix: Solid										Prep T		
Analysis Batch: 97920										• •		
	N	ИВ МВ										
Analyte		ult Qualifi	ier	RL	MDL	Unit		D	Prepared	Analyzed	ł	Dil Fa
· · · ·			· · · · · · · · · · · · · · · · · · ·									

Job ID: 890-7471-1 SDG: LOCO HILLS

Eurofins Carlsbad

12/16/24 09:35

Chloride

10.0

mg/Kg

<10.0 U

## **QC Sample Results**

Client: CDH Consulting Project/Site: JACKSON B - 29Y Job ID: 890-7471-1 SDG: LOCO HILLS

## Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-97904/2-A Matrix: Solid					Client	Sample	ID: Lab Co Prep	ontrol S Type: S	
Analysis Batch: 97920	Spike	LCS	LCS				%Rec		
Analyte	Added		Qualifier	Unit	D	%Rec	Limits		
Chloride	250	252.4		mg/Kg		101	90 - 110		
- Lab Sample ID: LCSD 880-97904/3-A				Clier	nt San	nple ID:	Lab Contro	l Sampl	e Dup
Matrix: Solid							Prep	Type: S	oluble
Analysis Batch: 97920									
	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	250	252.4		mg/Kg		101	90 - 110	0	20

Eurofins Carlsbad

**QC** Association Summary

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

5 6 7

Job ID: 890-7471-1 SDG: LOCO HILLS

## GC VOA

#### Analysis Batch: 97908

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7471-1	SW 10	Total/NA	Solid	8021B	97932
MB 880-97932/5-A	Method Blank	Total/NA	Solid	8021B	97932
LCS 880-97932/1-A	Lab Control Sample	Total/NA	Solid	8021B	97932
LCSD 880-97932/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	97932
rep Batch: 97932					
Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
890-7471-1	SW 10	Total/NA	Solid	5035	
MB 880-97932/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-97932/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-97932/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
nalysis Batch: 97986	i la				
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7471-1	SW 10	Total/NA	Solid	Total BTEX	
C Semi VOA					
rep Batch: 97706					
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batcl
890-7471-1	SW 10	Total/NA	Solid	8015NM Prep	
MB 880-97706/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-97706/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-97706/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
nalysis Batch: 97954					
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7471-1	SW 10	Total/NA	Solid	8015B NM	97706
MB 880-97706/1-A	Method Blank	Total/NA	Solid	8015B NM	97706
LCS 880-97706/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	97706
LCSD 880-97706/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	97706
nalysis Batch: 97981					
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batcl
890-7471-1	SW 10	Total/NA	Solid	8015 NM	
IPLC/IC					
each Batch: 97904					
Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batcl
890-7471-1	SW 10	Soluble	Solid	DI Leach	
MB 880-97904/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-97904/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-97904/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
nalysis Batch: 97920					
Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batc
890-7471-1	SW 10	Soluble	Solid	300.0	9790
MB 880-97904/1-A	Method Blank	Soluble	Solid	300.0	97904

Lab Control Sample

Lab Control Sample Dup

LCS 880-97904/2-A

LCSD 880-97904/3-A

Soluble

Soluble

Solid

Solid

300.0

300.0

97904

Job ID: 890-7471-1 SDG: LOCO HILLS

Matrix: Solid

Lab Sample ID: 890-7471-1

## Client Sample ID: SW 10 Date Collected: 12/13/24 10:07

Project/Site: JACKSON B - 29Y

**Client: CDH Consulting** 

Date Received: 12/13/24 11:49

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5035			97932	AA	EET MID	12/16/24 10:12
Total/NA	Analysis	8021B		1	97908	MNR	EET MID	12/16/24 14:10
Total/NA	Analysis	Total BTEX		1	97986	SM	EET MID	12/16/24 14:10
Total/NA	Analysis	8015 NM		1	97981	SM	EET MID	12/16/24 14:43
Total/NA	Prep	8015NM Prep			97706	EL	EET MID	12/12/24 09:47
Total/NA	Analysis	8015B NM		1	97954	TKC	EET MID	12/16/24 14:43
Soluble	Leach	DI Leach			97904	SA	EET MID	12/16/24 07:49
Soluble	Analysis	300.0		1	97920	СН	EET MID	12/16/24 10:22

#### Laboratory References:

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

Eurofins Carlsbad

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

**Client: CDH Consulting** Project/Site: JACKSON B - 29Y Job ID: 890-7471-1

#### Laboratory: Eurofins Midland

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

Authority	Progra	ım	Identification Number	Expiration Date
exas	NELAF	)	T104704400	06-30-25
The following analyte	s are included in this report, but	t the laboratory is not certif	fied by the governing authority. This list	t may include analytes
for which the agency	does not offer certification.			
for which the agency Analysis Method		Matrix	Analyte	
for which the agency	does not offer certification.			

Eurofins Carlsbad

10

Page 160 of 277

## **Method Summary**

Client: CDH Consulting Project/Site: JACKSON B - 29Y Job ID: 890-7471-1 SDG: LOCO HILLS

lethod	Method Description	Protocol	Laboratory
021B	Volatile Organic Compounds (GC)	SW846	EET MID
otal BTEX	Total BTEX Calculation	TAL SOP	EET MID
015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
00.0	Anions, Ion Chromatography	EPA	EET MID
035	Closed System Purge and Trap	SW846	EET MID
015NM Prep	Microextraction	SW846	EET MID
01 Leach	Deionized Water Leaching Procedure	ASTM	EET MID
SW846 = '	Environmental Protection Agency 'Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Editi	on, November 1986 And Its Updates.	
TAL SOP :	<ul> <li>TestAmerica Laboratories, Standard Operating Procedure</li> </ul>		
Laboratory R	eferences:		
EET MID :	Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440		

#### Laboratory References:

Eurofins Carlsbad

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

## Sample Summary

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

Job ID: 890-7471-1
SDG: LOCO HILLS

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
890-7471-1	SW 10	Solid	12/13/24 10:07	12/13/24 11:49

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

	Yanco		Micharia, 17 (452) / 04-3440, 341 Autorito, 17 (410) 203-3597		
	Velico	EL Paso Hobbs,	EL Paso, 1X (915) 585-5445, LUBDOCK, 1X (806) 794-1290 Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199	www.xenco.com	m Page <u>1</u> of <u>1</u>
Project Manager: M/1/ h/2/	GP WOICKPY	Bill to: (if different)		Work Orde	Work Order Comments
		Company Name:		UST/PST RP	Brownfields RRC Superfund
Addressi City State ZIP:		City, State ZIP:		Reporting: Level II Level III	PST/UST TRRP Level IV
	1016-970-8459	Email: NWICLENC	recahconsulticom	Deliverables: EDD	ADaPT Other:
Project Name: Jackson	8-294	I V	Pres. ANALYSIS REQUEST	QUEST	ervative
Project Number: Project Location: LOCO Hill Sampler's Name: Daloata h	ww.s. Weto	Lentine Likesh Due Date: 12-16-2024 TAT starts the day received by the lab, if received by 4:30pm	Code		None: NU UI Water: H <sub>2</sub> U Cool: Cool MeOH: Me HCL: HC HNO <sub>3</sub> : HN H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub> NaOH: Na
PLE RECEIPT es Received Intact: (	Temp Blank: Yes No W	Wet Ice: (Yes No ID: [1/1/100]	890-7471 Chain of Custody	Custody	H <sub>3</sub> PO <sub>4</sub> : HP NaHSO 4: NABIS
	Yes No N/A Correction Factor: Yes No N/A Temperature Reading: Corrected Temperature:	ling: 0.1			Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub> Zn Acetate+NaOH: Zn NaOH+Ascorbic Acid: SAPC
Sample Identification	Matrix Date Sai	Depth Grab/ Comp	# of Cont		Sample Comments
SWIO	S 10-13-2024 10	10:07 Comp	74		
0C 0103 / 6010	200.8 / 6020- 8RCRA	13PPM Texas 11	AI Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb	Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO, Na	Se Ag SiO, Na Sr TI Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed	l(s) to be analyzed	TCLP / SPLP 6010 : 8RCRA	RA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U		/ 245.1 / 7470 / 7471
e: Signature of this document and reli vice. Eurofins Xenco will be liable only rofins Xenco. A minimum charge of \$2	nquishment of samples constitutes a valid p / for the cost of samples and shall not assum IS:00 will be applied to each project and a c	ourchase order from client company ne any responsibility for any losses o harge of \$5 for each sample submitt	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 subcontractors and conditions to escore and the client of the client of success and conditions to escore and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco, will be liable only for the cost of samples and subcontractors are due to circumstances beyond the control of service. Eurofins Xenco, Aminimum charge of 355200 will be applied to each project and a charge of 55 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.	terms and conditions as beyond the control inless previously negotiated.	
Retinquished by: (Signature)	e) Received by: (Signature)	Signature)	Date/Time Relinquished by: (Signature)	nature) Received by: (Signature)	ure) Date/Time
alcostat ( uch	Xadure				
			-vc		

Job Number: 890-7471-1 SDG Number: LOCO HILLS

List Source: Eurofins Carlsbad

## Login Sample Receipt Checklist

Client: CDH Consulting

#### Login Number: 7471 List Number: 1 Creator: Bruns, Shannon

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	

Job Number: 890-7471-1 SDG Number: LOCO HILLS

List Source: Eurofins Midland

List Creation: 12/16/24 08:22 AM

## Login Sample Receipt Checklist

Client: CDH Consulting

Login Number: 7471 List Number: 2 Creator: Laing, Edmundo

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

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

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



**Environment Testing** 

# **ANALYTICAL REPORT**

# **PREPARED FOR**

Attn: Michael Wicker CDH Consulting 9446 Clermont St, Thornton, Colorado 80229 Generated 12/18/2024 4:33:58 PM

# JOB DESCRIPTION

JACKSON B # 029Y LOCO HILLS

# **JOB NUMBER**

890-7482-1

Eurofins Carlsbad 1089 N Canal St. Carlsbad NM 88220

See page two for job notes and contact information



## **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

L

Generated 12/18/2024 4:33:58 PM

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

Eurofins Carlsbad is a laboratory within Eurofins Environment Testing South Central, LLC, a company within Eurofins Environment Testing Group of Companies

Laboratory Job ID: 890-7482-1 SDG: LOCO HILLS

Page 168 of 277

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Client Sample Results	6
Surrogate Summary	10
QC Sample Results	11
QC Association Summary	15
Lab Chronicle	17
Certification Summary	19
Method Summary	20
Sample Summary	21
Chain of Custody	22
Receipt Checklists	23

ceived by OCI	D: 3/17/2025 8:23:03 AM	<b>Page 169 of 2</b>	277
	Definitions/Glossary		
Client: CDH Co Project/Site: JA	onsulting ACKSON B # 029Y	Job ID: 890-7482-1 SDG: LOCO HILLS	2
Qualifiers			3
GC VOA			
Qualifier	Qualifier Description		
U	Indicates the analyte was analyzed for but not detected.		
GC Semi VOA Qualifier	Qualifier Description		5
*+	LCS and/or LCSD is outside acceptance limits, high biased.		
S1+	Surrogate recovery exceeds control limits, high biased.		
U	Indicates the analyte was analyzed for but not detected.		
HPLC/IC Qualifier	Qualifier Description		8
U	Indicates the analyte was analyzed for but not detected.		
Glossary			9
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)		

Limit of Quantitation (DoD/DOE)

Method Detection Limit Minimum Level (Dioxin)

Most Probable Number Method Quantitation Limit

Not Calculated

Negative / Absent

Positive / Present Practical Quantitation Limit

Presumptive

Quality Control

Relative Error Ratio (Radiochemistry)

Toxicity Equivalent Factor (Dioxin)

Too Numerous To Count

Toxicity Equivalent Quotient (Dioxin)

Reporting Limit or Requested Limit (Radiochemistry)

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

EPA recommended "Maximum Contaminant Level"

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

Minimum Detectable Activity (Radiochemistry) Minimum Detectable Concentration (Radiochemistry)

LOQ

MCL

MDA

MDC MDL

ML MPN

MQL NC

ND NEG

POS

PQL PRES

QC

RER

RPD

TEF

TEQ

TNTC

RL

Eurofins Carlsbad

## **Case Narrative**

Job ID: 890-7482-1

Page 170 of 277

#### Client: CDH Consulting Project: JACKSON B # 029Y

#### **Eurofins Carlsbad**

#### Job ID: 890-7482-1

#### Job Narrative 890-7482-1

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

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

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

#### Receipt

The samples were received on 12/17/2024 3:04 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.6°C.

#### **Receipt Exceptions**

The following samples were received and analyzed from an unpreserved bulk soil jar: SW 02 (890-7482-1), SW 06 (890-7482-2), SW 07 (890-7482-3), SW 15 (890-7482-4) and SW 16 (890-7482-5).

#### GC VOA

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

#### **Diesel Range Organics**

Method 8015MOD\_NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-98114/2-A) and (LCSD 880-98114/3-A). Evidence of matrix interferences is not obvious.

Method 8015MOD\_NM: The laboratory control sample (LCS) for preparation batch 880-98114 and analytical batch 880-98179 recovered outside control limits for the following analytes: Gasoline Range Organics (GRO)-C6-C10. These analytes were biased high in the LCS and were within limits for the LCSD (laboratory control sample duplicate); therefore, the data have been reported.

Method 8015MOD\_NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-98115/2-A) and (880-52233-A-17-D). Evidence of matrix interferences is not obvious.

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

#### HPLC/IC

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

**Eurofins Carlsbad** 

5

Job ID: 890-7482-1 SDG: LOCO HILLS

## Client Sample ID: SW 02

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

Project/Site: JACKSON B # 029Y

Date Collected: 12/17/24 09:45 Date Received: 12/17/24 15:04

Sample Depth: 0' - 4'

**Client: CDH Consulting** 

Lab Sample ID: 890-7482-1

## Matrix: Solid

Analyte	•	Qualifier	RL	MDI	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200		0.00200		mg/Kg		12/17/24 22:32	12/18/24 05:46	
Ethylbenzene	<0.00200		0.00200		mg/Kg		12/17/24 22:32	12/18/24 05:46	1
•	<0.00200		0.00200				12/17/24 22:32		1
Toluene					mg/Kg			12/18/24 05:46	ا 1
Xylenes, Total	< 0.00401		0.00401		mg/Kg		12/17/24 22:32	12/18/24 05:46	1
m-Xylene & p-Xylene	<0.00401		0.00401		mg/Kg		12/17/24 22:32	12/18/24 05:46	1
o-Xylene	<0.00200	0	0.00200		mg/Kg		12/17/24 22:32	12/18/24 05:46	ſ
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130				12/17/24 22:32	12/18/24 05:46	1
1,4-Difluorobenzene (Surr)	99		70 - 130				12/17/24 22:32	12/18/24 05:46	1
Method: TAL SOP Total BTEX - To	tal BTEX Cal	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			12/18/24 05:46	1
Method: SW846 8015 NM - Diesel	Range Organ	ics (DRO) (O	SC)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/18/24 13:56	1
Method: SW846 8015B NM - Diese			(GC)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *+	50.0		mg/Kg		12/17/24 21:15	12/18/24 13:56	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/17/24 21:15	12/18/24 13:56	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/17/24 21:15	12/18/24 13:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130				12/17/24 21:15	12/18/24 13:56	1
o-Terphenyl	74		70 - 130				12/17/24 21:15	12/18/24 13:56	1
Method: EPA 300.0 - Anions, Ion (	Chromatograp	ohy - Soluble	)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1310		10.1		mg/Kg			12/18/24 00:47	1
lient Sample ID: SW 06							Lab Sar	nple ID: 890-	7482-2
ate Collected: 12/17/24 13:40								Matri	ix: Solic
ate Received: 12/17/24 15:04									
ample Depth: 0' - 4'									
Method: SW846 8021B - Volatile C	Organic Comp	ounds (GC)							
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bonzono	<0.00200		0.00200		malka		10/17/04 00:00	12/19/24 06:07	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/17/24 22:32	12/18/24 06:07	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/17/24 22:32	12/18/24 06:07	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/17/24 22:32	12/18/24 06:07	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/17/24 22:32	12/18/24 06:07	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/17/24 22:32	12/18/24 06:07	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/17/24 22:32	12/18/24 06:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130				12/17/24 22:32	12/18/24 06:07	1

Eurofins Carlsbad

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

## **Client Sample Results**

Job ID: 890-7482-1 SDG: LOCO HILLS

## Client Sample ID: SW 06

Project/Site: JACKSON B # 029Y

Date Collected: 12/17/24 13:40 Date Received: 12/17/24 15:04

Sample Depth: 0' - 4'

**Client: CDH Consulting** 

		o	(00)	( <b>O</b>
Method: SW846 8021B -	volatile	Organic Compounds	(GC)	(Continued)

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	99		70 - 130				12/17/24 22:32	12/18/24 06:07	1
Method: TAL SOP Total BTEX - T	otal BTEX Calo	ulation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			12/18/24 06:07	· · ·
Method: SW846 8015 NM - Diese	I Range Organ	ics (DRO) (	GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total TPH	212		50.0		mg/Kg			12/18/24 13:10	
Method: SW846 8015B NM - Dies	• •	• • •	· · ·						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		12/17/24 21:17	12/18/24 13:10	
(GRO)-C6-C10									
Diesel Range Organics (Over	212		50.0		mg/Kg		12/17/24 21:17	12/18/24 13:10	
C10-C28)									
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/17/24 21:17	12/18/24 13:10	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1-Chlorooctane	74		70 - 130				12/17/24 21:17	12/18/24 13:10	
o-Terphenyl	76		70 - 130				12/17/24 21:17	12/18/24 13:10	
Method: EPA 300.0 - Anions, Ion		-				_			
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Chloride	840		9.92		mg/Kg			12/18/24 00:52	

#### **Client Sample ID: SW 07**

Date Collected: 12/17/24 13:47 Date Received: 12/17/24 15:04 Sample Depth: 0' - 4'

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/17/24 22:32	12/18/24 06:27	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/17/24 22:32	12/18/24 06:27	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/17/24 22:32	12/18/24 06:27	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/17/24 22:32	12/18/24 06:27	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/17/24 22:32	12/18/24 06:27	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/17/24 22:32	12/18/24 06:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130				12/17/24 22:32	12/18/24 06:27	1
1,4-Difluorobenzene (Surr)	98		70 - 130				12/17/24 22:32	12/18/24 06:27	1
- Method: TAL SOP Total BTEX	- Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/18/24 06:27	1
- Method: SW846 8015 NM - Die	esel Range Organ	ics (DRO) (	GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac

Eurofins Carlsbad

Lab Sample ID: 890-7482-3

Matrix: Solid

 

 Lab Sample ID: 890-7482-2 Matrix: Solid
 3

 4
 4

 5
 5

 7/24 22:32
 Analyzed 12/18/24 06:07
 Dil Fac 1

 6
 7

 repared
 Analyzed 12/18/24 06:07
 Dil Fac 1

 7
 8

## **Client Sample Results**

Job ID: 890-7482-1 SDG: LOCO HILLS

Matrix: Solid

Lab Sample ID: 890-7482-3

Lab Sample ID: 890-7482-4

Matrix: Solid

## Client Sample ID: SW 07

Project/Site: JACKSON B # 029Y

Date Collected: 12/17/24 13:47 Date Received: 12/17/24 15:04

Sample Depth: 0' - 4'

**Client: CDH Consulting** 

Sample Depth: 0' - 4'									
Method: SW846 8015B NM - Dies	el Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		12/17/24 21:17	12/18/24 13:24	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/17/24 21:17	12/18/24 13:24	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/17/24 21:17	12/18/24 13:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	72		70 _ 130				12/17/24 21:17	12/18/24 13:24	1
o-Terphenyl	74		70 - 130				12/17/24 21:17	12/18/24 13:24	1

#### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3320	49.9	mg/Kg			12/18/24 01:10	5

#### Client Sample ID: SW 15

#### Date Collected: 12/17/24 13:19 Date Received: 12/17/24 15:04

Sample Depth: 4' - 20'

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		12/17/24 22:32	12/18/24 06:48	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/17/24 22:32	12/18/24 06:48	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/17/24 22:32	12/18/24 06:48	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/17/24 22:32	12/18/24 06:48	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/17/24 22:32	12/18/24 06:48	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/17/24 22:32	12/18/24 06:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130				12/17/24 22:32	12/18/24 06:48	1
1,4-Difluorobenzene (Surr)	100		70 - 130				12/17/24 22:32	12/18/24 06:48	1
Method: TAL SOP Total BTEX -	Total BTEX Calo	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			12/18/24 06:48	1
- Method: SW846 8015 NM - Dies	el Range Organ	ics (DRO) (	GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/18/24 13:41	1
- Method: SW846 8015B NM - Die	sel Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/17/24 21:17	12/18/24 13:41	1
Diesel Range Organics (Over	<49.9	U	49.9		mg/Kg		12/17/24 21:17	12/18/24 13:41	1
C10-C28) Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/17/24 21:17	12/18/24 13:41	1
Surrogate		Qualifier	Limits				Prepared	Analyzed	Dil Fac

12/17/24 21:17 12/18/24 13:41

1-Chlorooctane

o-Terphenyl

70 - 130

71

		Clien	t Sample	Results	5				
Client: CDH Consulting								Job ID: 890	
Project/Site: JACKSON B # 029Y								SDG: LOC	) HILLS
Client Sample ID: SW 15							Lab Sar	nple ID: 890-	7482-4
Date Collected: 12/17/24 13:19								Matri	x: Solic
Date Received: 12/17/24 15:04									
Sample Depth: 4' - 20'									
- Method: EPA 300.0 - Anions, Ion 0	Chromatogram	ohy - Solubl	e						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Chloride	4610		99.6		mg/Kg			12/18/24 01:16	1(
Client Sample ID: SW 16							Lab Sar	nple ID: 890-	7482-5
Date Collected: 12/17/24 13:31							Eup our		x: Solid
Date Received: 12/17/24 15:04								Wath	x. 50m
Sample Depth: 4' - 20'									
-									
Method: SW846 8021B - Volatile C Analyte		OUNDS (GC) Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202		0.00202		mg/Kg		12/17/24 22:32	12/18/24 07:08	
Ethylbenzene	< 0.00202		0.00202		mg/Kg		12/17/24 22:32	12/18/24 07:08	
Toluene	< 0.00202		0.00202		mg/Kg		12/17/24 22:32	12/18/24 07:08	
Xylenes, Total	< 0.00403		0.00202		mg/Kg		12/17/24 22:32	12/18/24 07:08	
m-Xylene & p-Xylene	< 0.00403		0.00403		mg/Kg		12/17/24 22:32	12/18/24 07:08	
o-Xylene	<0.00202		0.00202		mg/Kg		12/17/24 22:32	12/18/24 07:08	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	113		70 - 130				12/17/24 22:32	12/18/24 07:08	
1,4-Difluorobenzene (Surr)	96		70 - 130				12/17/24 22:32	12/18/24 07:08	-
_ Method: TAL SOP Total BTEX - To	tal BTEX Cal	sulation							
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403		0.00403		mg/Kg			12/18/24 07:08	1
-									
Method: SW846 8015 NM - Diesel Analyte		ics (DRO) ( Qualifier	GC) RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0		50.0		mg/Kg			12/18/24 13:56	
-	-00.0	0	00.0		ilig/itg			12,10,2110.00	
Method: SW846 8015B NM - Diese	el Range Orga	nics (DRO)	(GC)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		12/17/24 21:17	12/18/24 13:56	1
(GRO)-C6-C10	-50.0		50.0				10/17/04 04 47	10/10/04 10 50	
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/17/24 21:17	12/18/24 13:56	
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/17/24 21:17	12/18/24 13:56	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1-Chlorooctane	73		70 - 130				12/17/24 21:17	12/18/24 13:56	
o-Terphenyl	76		70 - 130				12/17/24 21:17	12/18/24 13:56	1
 Method: EPA 300.0 - Anions, Ion 0	Chromatogram	hy - Solubl	0						
Analyte		Qualifier	e RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorida			9.90		ma/Ka			12/18/24 01:22	

12/18/24 01:22

Chloride

9.90

mg/Kg

#### Method: 8021B - Volatile Organic Compounds (GC) Matrix: Solid

Percent Surrogate Recovery (Acceptance Limits) BFB1 DFBZ1 Client Sample ID (70-130) (70-130) Lab Sample ID 890-7482-1 SW 02 101 99 890-7482-2 SW 06 106 99 890-7482-3 SW 07 104 98 SW 15 890-7482-4 103 100 890-7482-5 SW 16 113 96 97 Lab Control Sample LCS 880-98116/1-A 100 LCSD 880-98116/2-A Lab Control Sample Dup 103 99 MB 880-98051/5-A Method Blank 98 95 MB 880-98116/5-A Method Blank 95 95

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid

-				Percent Surrogate Recovery (Acceptance Limits)
		1CO1	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
890-7482-1	SW 02	86	74	
890-7482-2	SW 06	74	76	
890-7482-3	SW 07	72	74	
890-7482-4	SW 15	71	73	
890-7482-5	SW 16	73	76	
LCS 880-98114/2-A	Lab Control Sample	141 S1+	115	
LCS 880-98115/2-A	Lab Control Sample	132 S1+	119	
LCSD 880-98114/3-A	Lab Control Sample Dup	131 S1+	104	
LCSD 880-98115/3-A	Lab Control Sample Dup	127	113	
MB 880-98114/1-A	Method Blank	107	94	
MB 880-98115/1-A	Method Blank	86	88	

#### Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Prep Type: Total/NA

Prep Type: Total/NA

Page 175 of 277

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

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

Lab Sample ID: MB 880-98051	/5-A								Client Sa	mple ID: Metho	
Matrix: Solid										Prep Type:	
Analysis Batch: 98007										Prep Batcl	n: 98051
	MB						_	_			
Analyte		Qualifier		M			_ <u>D</u>		repared	Analyzed	Dil Fac
Benzene	<0.00200		0.00200			ng/Kg			7/24 09:50	12/17/24 11:35	1
Ethylbenzene	<0.00200		0.00200			ng/Kg			7/24 09:50	12/17/24 11:35	1
Toluene	<0.00200	U	0.00200		m	ng/Kg		12/1	7/24 09:50	12/17/24 11:35	1
Xylenes, Total	<0.00400	U	0.00400		m	ng/Kg		12/1	7/24 09:50	12/17/24 11:35	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		m	ng/Kg		12/1	7/24 09:50	12/17/24 11:35	1
o-Xylene	<0.00200	U	0.00200		m	ng/Kg		12/1	7/24 09:50	12/17/24 11:35	1
	МВ	МВ									
Surrogate	%Recovery		Limits					P	repared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130					12/1	7/24 09:50	12/17/24 11:35	1
1,4-Difluorobenzene (Surr)	95		70 - 130					12/1	7/24 09:50	12/17/24 11:35	1
Lab Sample ID: MB 880-98116 Matrix: Solid	/ <b>5-A</b>								Client Sa	mple ID: Metho	
										Prep Type:	
Analysis Batch: 98007										Prep Batcl	n: 98116
		MB					_	_	_		
Analyte		Qualifier		M	DLU		D		repared	Analyzed	Dil Fac
Benzene	<0.00200		0.00200			ng/Kg			7/24 22:32	12/18/24 00:25	1
Ethylbenzene	<0.00200		0.00200			ng/Kg			7/24 22:32	12/18/24 00:25	1
Toluene	<0.00200		0.00200		m	ng/Kg		12/1	7/24 22:32	12/18/24 00:25	1
Xylenes, Total	<0.00400	U	0.00400		m	ng/Kg		12/1	7/24 22:32	12/18/24 00:25	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		m	ng/Kg		12/1	7/24 22:32	12/18/24 00:25	1
o-Xylene	<0.00200	U	0.00200		m	ng/Kg		12/1	7/24 22:32	12/18/24 00:25	1
	MB	МВ									
Surrogate	%Recovery	Qualifier	Limits					P	repared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130					12/1	7/24 22:32	12/18/24 00:25	1
1,4-Difluorobenzene (Surr)	95		70 - 130					12/1	7/24 22:32	12/18/24 00:25	1
	6/1-A						c	lient	t Sample I	D: Lab Control	Sample
Lab Sample ID: LCS 880-98116											
Lab Sample ID: LCS 880-98110 Matrix: Solid										Prep Type: '	
Matrix: Solid										Prep Type: <sup>-</sup> Prep Batcl	Total/NA
-			Spike	LCS L	.cs					Prep Type: <sup>-</sup> Prep Batcl %Rec	Total/NA
Matrix: Solid Analysis Batch: 98007			Spike Added	LCS L Result C		er Unit		D	%Rec	Prep Batcl	Total/NA
Matrix: Solid Analysis Batch: 98007			Added	Result C			1	_ <u>D</u>	%Rec	Prep Batcl %Rec	Total/NA
Matrix: Solid Analysis Batch: 98007 Analyte Benzene			Added	<b>Result</b> 0.1264		mg/Kg		_ <u>D</u>		Prep Batcl %Rec Limits 70 - 130	Total/NA
Matrix: Solid Analysis Batch: 98007 Analyte Benzene Ethylbenzene			Added           0.100           0.100	Result         C           0.1264         0.1187		mg/Kg mg/Kg		_ <u>D</u>	126 119	Prep Batcl           %Rec           Limits           70 - 130           70 - 130	Total/NA
Matrix: Solid Analysis Batch: 98007 Analyte Benzene Ethylbenzene Toluene			Added 0.100 0.100 0.100	Result         C           0.1264         0.1187           0.1229         0.1229		mg/Kg mg/Kg mg/Kg		_ <u>D</u>	126 119 123	Prep Batcl           %Rec           Limits           70 - 130           70 - 130           70 - 130	Total/NA
Matrix: Solid Analysis Batch: 98007 Analyte Benzene Ethylbenzene Toluene m-Xylene & p-Xylene			Added 0.100 0.100 0.100 0.200	Result         C           0.1264         0.1187           0.1229         0.2301		mg/Kg mg/Kg mg/Kg mg/Kg		_ <u>D</u>	126 119 123 115	Prep Batcl           %Rec           Limits           70 - 130           70 - 130           70 - 130           70 - 130	Total/NA
Matrix: Solid Analysis Batch: 98007 Analyte Benzene Ethylbenzene Toluene m-Xylene & p-Xylene			Added 0.100 0.100 0.100	Result         C           0.1264         0.1187           0.1229         0.1229		mg/Kg mg/Kg mg/Kg		_ <u>D</u>	126 119 123	Prep Batcl           %Rec           Limits           70 - 130           70 - 130           70 - 130	Total/NA
Matrix: Solid Analysis Batch: 98007 Analyte Benzene Ethylbenzene Toluene m-Xylene & p-Xylene o-Xylene	LCS LCS		Added 0.100 0.100 0.100 0.200 0.100	Result         C           0.1264         0.1187           0.1229         0.2301		mg/Kg mg/Kg mg/Kg mg/Kg		_ <u>D</u>	126 119 123 115	Prep Batcl           %Rec           Limits           70 - 130           70 - 130           70 - 130           70 - 130	Total/NA
Matrix: Solid Analysis Batch: 98007 Analyte Benzene Ethylbenzene Toluene m-Xylene & p-Xylene o-Xylene Surrogate	LCS LCS %Recovery Qua		Added           0.100           0.100           0.100           0.100           0.200           0.100           Limits	Result         C           0.1264         0.1187           0.1229         0.2301		mg/Kg mg/Kg mg/Kg mg/Kg		_ <u>D</u>	126 119 123 115	Prep Batcl           %Rec           Limits           70 - 130           70 - 130           70 - 130           70 - 130	Total/NA
Matrix: Solid Analysis Batch: 98007 Analyte Benzene Ethylbenzene Toluene m-Xylene & p-Xylene o-Xylene	LCS LCS		Added 0.100 0.100 0.100 0.200 0.100	Result         C           0.1264         0.1187           0.1229         0.2301		mg/Kg mg/Kg mg/Kg mg/Kg		_ <u>D</u>	126 119 123 115	Prep Batcl           %Rec           Limits           70 - 130           70 - 130           70 - 130           70 - 130	Total/NA
Matrix: Solid Analysis Batch: 98007 Analyte Benzene Ethylbenzene Toluene m-Xylene & p-Xylene o-Xylene Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr)	LCS LCS %Recovery Qua 97 100		Added           0.100           0.100           0.100           0.200           0.100           Limits           70 - 130	Result         C           0.1264         0.1187           0.1229         0.2301		mg/Kg mg/Kg mg/Kg mg/Kg			126 119 123 115 126	Prep Batcl           %Rec           Limits           70 - 130           70 - 130           70 - 130           70 - 130           70 - 130	Total/NA h: 98116
Matrix: Solid Analysis Batch: 98007 Analyte Benzene Ethylbenzene Toluene m-Xylene & p-Xylene o-Xylene Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: LCSD 880-981	LCS LCS %Recovery Qua 97 100		Added           0.100           0.100           0.100           0.200           0.100           Limits           70 - 130	Result         C           0.1264         0.1187           0.1229         0.2301		mg/Kg mg/Kg mg/Kg mg/Kg			126 119 123 115 126	Prep Batcl           %Rec           Limits           70 - 130           70 - 130           70 - 130           70 - 130           70 - 130           70 - 130	Fotal/NA h: 98116 
Matrix: Solid Analysis Batch: 98007 Analyte Benzene Ethylbenzene Toluene m-Xylene & p-Xylene o-Xylene Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: LCSD 880-981 Matrix: Solid	LCS LCS %Recovery Qua 97 100		Added           0.100           0.100           0.100           0.200           0.100           Limits           70 - 130	Result         C           0.1264         0.1187           0.1229         0.2301		mg/Kg mg/Kg mg/Kg mg/Kg			126 119 123 115 126	Prep Batcl           %Rec           Limits           70 - 130           70 - 130           70 - 130           70 - 130           70 - 130           70 - 130           70 - 130           70 - 130	Fotal/NA h: 98116 
Matrix: Solid Analysis Batch: 98007 Analyte Benzene Ethylbenzene Toluene m-Xylene & p-Xylene o-Xylene Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: LCSD 880-981	LCS LCS %Recovery Qua 97 100		Added           0.100           0.100           0.100           0.200           0.100           0.200           0.100           0.200           0.100           70 - 130           70 - 130	Result         C           0.1264         0.1187           0.1229         0.2301           0.1263         0.1263	Qualifi	mg/Kg mg/Kg mg/Kg mg/Kg			126 119 123 115 126	Prep Batcl           %Rec           Limits           70 - 130           70 - 130           70 - 130           70 - 130           70 - 130           70 - 130           70 - 130           70 - 130           Prep Type:           Prep Batcl	Total/NA h: 98116   Total/NA h: 98116
Matrix: Solid Analysis Batch: 98007 Analyte Benzene Ethylbenzene Toluene m-Xylene & p-Xylene o-Xylene Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: LCSD 880-981 Matrix: Solid	LCS LCS %Recovery Qua 97 100		Added           0.100           0.100           0.100           0.200           0.100           Limits           70 - 130	Result         C           0.1264         0.1187           0.1229         0.2301	Qualifi	mg/Kg mg/Kg mg/Kg mg/Kg			126 119 123 115 126	Prep Batcl           %Rec           Limits           70 - 130           70 - 130           70 - 130           70 - 130           70 - 130           70 - 130           70 - 130           70 - 130	Total/NA h: 98116 

5

Job ID: 890-7482-1

SDG: LOCO HILLS

Client: CDH Consulting Project/Site: JACKSON B # 029Y Job ID: 890-7482-1 SDG: LOCO HILLS

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

Lab Sample ID: LCSD 880-981	16/2-A							Cli	ent	Sam	ple ID: L	ab Contro	I Samp	le Dup
Matrix: Solid													ype: To	
Analysis Batch: 98007													Batch:	
,			Spike		LCSD	LCS	D					%Rec		RPD
Analyte			Added		Result			Unit		D	%Rec	Limits	RPD	Limi
Ethylbenzene			0.100		0.1090			mg/Kg			109	70 - 130	9	
Toluene			0.100		0.1122			mg/Kg			112	70 - 130	9	3
m-Xylene & p-Xylene			0.200		0.2097			mg/Kg			105	70 - 130	9	3
			0.200		0.2097			mg/Kg			116	70 - 130 70 - 130	8	3
o-Xylene			0.100		0.1103			mg/Kg			110	70 - 130	0	3
	LCSD L	CSD												
Surrogate	%Recovery G	ualifier	Limits											
4-Bromofluorobenzene (Surr)	103		70 - 130	_										
1,4-Difluorobenzene (Surr)	99		70 - 130											
ethod: 8015B NM - Diese	I Range Org	anics	(DRO) (GC	)										
Lab Sample ID: MB 880-98114	'1-A										Client Sa	mple ID: I		
Matrix: Solid													ype: To	
Analysis Batch: 98179												Prep	Batch:	<b>9811</b>
	N	IB MB												
Analyte	Res	ult Qual	ifier	RL		MDL	Unit		D	Pr	epared	Analyz	ed	Dil Fa
Gasoline Range Organics (GRO)-C6-C10	<50	0.0 U		50.0			mg/Kg	)		12/17	7/24 21:15	12/18/24 ′	10:49	
Diesel Range Organics (Over C10-C28)	<50	0.0 U		50.0			mg/Kg	)		12/17	7/24 21:15	12/18/24 ′	10:49	
Oil Range Organics (Over C28-C36)	<50	0.0 U		50.0			mg/Kg	9		12/17	7/24 21:15	12/18/24 1	10:49	
	Л	1B MB												
Surrogate	%Recove	ry Qual	ifier Lin	nits						Pi	repared	Analyz	ed	Dil Fa
1-Chlorooctane	1	07	70	- 130						12/1	7/24 21:15	12/18/24	10:49	
o-Terphenyl		94	70	- 130						12/1	7/24 21:15	12/18/24	10:49	
Lab Sample ID: LCS 880-98114	\$/2-A								С	lient	Sample	ID: Lab Co		
Matrix: Solid													ype: To	
Analysis Batch: 98179													Batch:	<b>9811</b>
			Spike			LCS						%Rec		
Analyte			Added		Result		ifier	Unit		D	%Rec	Limits		
Gasoline Range Organics			1000		1358	*+		mg/Kg			136	70 - 130		
(GRO)-C6-C10			4000		1100			malla			140	70 420		
Diesel Range Organics (Over C10-C28)			1000		1130			mg/Kg			113	70 - 130		
	LCS L	cs												
Surrogate	%Recovery	ualifier	Limits	_										
Surrogate 1-Chlorooctane	%Recovery 0 141 S		<i>Limits</i> 70 - 130	_										

Lab Sample ID: LCSD 880-98114/3-A Matrix: Solid Analysis Batch: 98179				Clie	nt Sam	ple ID:		ol Sampl Type: To Batch:	tal/NA
	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	1000	1298		mg/Kg		130	70 - 130	5	20
(GRO)-C6-C10									
Diesel Range Organics (Over	1000	976.8		mg/Kg		98	70 - 130	15	20
C10-C28)									

Page 177 of 277

Eurofins Carlsbad

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

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

5

Lab Sample ID: LCSD 880-981 Matrix: Solid Analysis Batch: 98179	14/3-A							Cli	ent	Sam	iple ID: L	ab Control Sa Prep Type Prep Bat	: Tot	tal/NA
	1.000		0											
Surrogato	LCSD %Recovery			Limits										
Surrogate 1-Chlorooctane		S1+		70 - 130										
o-Terphenyl	104	0,		70 - 130										
Lab Sample ID: MB 880-98115	/1 <b>-A</b>										<b>Client Sa</b>	mple ID: Met	nod	Blank
Matrix: Solid												Prep Type	: Tot	al/NA
Analysis Batch: 98181												Prep Bat	ch:	98115
			MB											
Analyte			Qualifier	RL		MDL	Unit		D		repared	Analyzed		Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<	50.0	U	50.0			mg/Kg	9		12/1	7/24 21:17	12/18/24 10:49	)	1
Diesel Range Organics (Over	<	50.0	U	50.0			mg/Kg	r		12/1	7/24 21:17	12/18/24 10:49	)	1
C10-C28)		00.0	0	00.0				5		, .		,,		
Oil Range Organics (Over C28-C36)	<	50.0	U	50.0			mg/Kg	9		12/1	7/24 21:17	12/18/24 10:49	)	1
		мп	мв											
Surrogate	%Reco	MB	MB Qualifier	Limits						D	repared	Analyzed		Dil Fac
1-Chlorooctane		86	Quanner	70 - 130							7/24 21:17	12/18/24 10:49		1
o-Terphenyl		88		70 - 130							7/24 21:17	12/18/24 10:49		1
Analysis Batch: 98181 Analyte Gasoline Range Organics (GRO)-C6-C10				Spike Added 1000	LCS Result 1169	LCS Qua		Unit mg/Kg		D	%Rec	Prep Type Prep Bat %Rec Limits 70 - 130		
Diesel Range Organics (Over C10-C28)	LCS	LCS		1000	1151			mg/Kg			115	70 - 130		
Surrogate		Qua	lifier	Limits										
1-Chlorooctane	132	S1+		70 - 130										
o-Terphenyl	119			70 - 130										
Lab Sample ID: LCSD 880-981 Matrix: Solid Analysis Batch: 98181	15/3 <b>-A</b>			Spike	LCSD	LCS	D	Cli	ent	Sam	iple ID: L	ab Control Sa Prep Type Prep Bat %Rec	: Tot	al/NA
Analyte				Added	Result			Unit		D	%Rec		PD	Limit
Gasoline Range Organics				1000	1140	aud		mg/Kg		_	114	70 - 130	3	20
(GRO)-C6-C10 Diesel Range Organics (Over C10-C28)				1000	1061			mg/Kg			106	70 - 130	8	20
	LCSD	LCS	D											
Surrogate	%Recovery	Qua	lifier	Limits										
1-Chlorooctane	127			70 - 130										
o-Terphenyl	113			70 - 130										

## **QC Sample Results**

Client: CDH Consulting Project/Site: JACKSON B # 029Y Job ID: 890-7482-1 SDG: LOCO HILLS

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-98112/1-A Matrix: Solid										С	lient S	ample ID: Prep	Method Type: S	
Analysis Batch: 98113	МВ	МВ												
Analyte	Result	Qualifier		RL		MDL	Unit		D	Pre	pared	Analy	zed	Dil Fac
Chloride	<10.0	U		10.0			mg/Kg					12/17/24	22:49	1
Lab Sample ID: LCS 880-98112/2-A									Clie	ent S	Sample	ID: Lab C		
Matrix: Solid Analysis Batch: 98113												Prep	Type: S	
			Spike		LCS	LCS						%Rec		
Analyte			Added		Result	Qual	ifier	Unit	I	D	%Rec	Limits		
Chloride			250		246.7			mg/Kg			99	90 - 110		
 Lab Sample ID: LCSD 880-98112/3-A								Cli	ent Sa	amp	le ID: L	ab Contro	ol Samp	le Dup
Matrix: Solid												Prep	Type: S	Soluble
Analysis Batch: 98113														
			Spike		LCSD	LCS	D					%Rec		RPD
Analyte			Added		Result	Qual	ifier	Unit	I	D	%Rec	Limits	RPD	Limit
Chloride			250		247.2			mg/Kg			99	90 - 110	0	20

Eurofins Carlsbad

## **QC Association Summary**

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

5

8

Job ID: 890-7482-1 SDG: LOCO HILLS

## GC VOA

#### Analysis Batch: 98007

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
890-7482-1	SW 02	Total/NA	Solid	8021B	98116
890-7482-2	SW 06	Total/NA	Solid	8021B	98116
890-7482-3	SW 07	Total/NA	Solid	8021B	98116
890-7482-4	SW 15	Total/NA	Solid	8021B	98116
890-7482-5	SW 16	Total/NA	Solid	8021B	98116
MB 880-98051/5-A	Method Blank	Total/NA	Solid	8021B	98051
MB 880-98116/5-A	Method Blank	Total/NA	Solid	8021B	98116
LCS 880-98116/1-A	Lab Control Sample	Total/NA	Solid	8021B	98116
LCSD 880-98116/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	98116

# Lab Sample IDClient Sample IDPrep TypeMatrixMethodPrep BatchMB 880-98051/5-AMethod BlankTotal/NASolid5035

#### Prep Batch: 98116

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch	
890-7482-1	SW 02	Total/NA	Solid	5035		
890-7482-2	SW 06	Total/NA	Solid	5035		
890-7482-3	SW 07	Total/NA	Solid	5035		
890-7482-4	SW 15	Total/NA	Solid	5035		
890-7482-5	SW 16	Total/NA	Solid	5035		
MB 880-98116/5-A	Method Blank	Total/NA	Solid	5035		
LCS 880-98116/1-A	Lab Control Sample	Total/NA	Solid	5035		
LCSD 880-98116/2-A	Lab Control Sample Dup	Total/NA	Solid	5035		

#### Analysis Batch: 98129

Lab Sample ID 890-7482-1	Client Sample ID SW 02	Prep Type Total/NA	Matrix Solid	Method Total BTEX	Prep Batch
890-7482-2	SW 06	Total/NA	Solid	Total BTEX	
890-7482-3	SW 07	Total/NA	Solid	Total BTEX	
890-7482-4	SW 15	Total/NA	Solid	Total BTEX	
890-7482-5	SW 16	Total/NA	Solid	Total BTEX	

#### GC Semi VOA

#### Prep Batch: 98114

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method Prep Batch
890-7482-1	SW 02	Total/NA	Solid	8015NM Prep
MB 880-98114/1-A	Method Blank	Total/NA	Solid	8015NM Prep
LCS 880-98114/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep
LCSD 880-98114/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep

#### Prep Batch: 98115

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7482-2	SW 06	Total/NA	Solid	8015NM Prep	
890-7482-3	SW 07	Total/NA	Solid	8015NM Prep	
890-7482-4	SW 15	Total/NA	Solid	8015NM Prep	
890-7482-5	SW 16	Total/NA	Solid	8015NM Prep	
MB 880-98115/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-98115/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-98115/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Eurofins Carlsbad
# **QC Association Summary**

**Client: CDH Consulting** Project/Site: JACKSON B # 029Y

# GC Semi VOA

### Analysis Batch: 98179

890-7482-1 SW 02		Total/NA	0-11-1		
		iotai/INA	Solid	8015B NM	98114
MB 880-98114/1-A Method BI	ank	Total/NA	Solid	8015B NM	98114
LCS 880-98114/2-A Lab Contro	ol Sample	Total/NA	Solid	8015B NM	98114
LCSD 880-98114/3-A Lab Contro	ol Sample Dup	Total/NA	Solid	8015B NM	98114

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch	
890-7482-2	SW 06	Total/NA	Solid	8015B NM	98115	8
890-7482-3	SW 07	Total/NA	Solid	8015B NM	98115	
890-7482-4	SW 15	Total/NA	Solid	8015B NM	98115	9
890-7482-5	SW 16	Total/NA	Solid	8015B NM	98115	
MB 880-98115/1-A	Method Blank	Total/NA	Solid	8015B NM	98115	
LCS 880-98115/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	98115	
LCSD 880-98115/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	98115	
Analysis Batch: 98193						
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch	
890-7482-1	SW 02	Total/NA	Solid	8015 NM		4.5
890-7482-2	SW 06	Total/NA	Solid	8015 NM		13
000 7/00 0	011/07	T ( 1/010	0	00/5 10/		

#### Analysis Batch: 98193

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
890-7482-1	SW 02	Total/NA	Solid	8015 NM	
890-7482-2	SW 06	Total/NA	Solid	8015 NM	
890-7482-3	SW 07	Total/NA	Solid	8015 NM	
890-7482-4	SW 15	Total/NA	Solid	8015 NM	
890-7482-5	SW 16	Total/NA	Solid	8015 NM	

### HPLC/IC

#### Leach Batch: 98112

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7482-1	SW 02	Soluble	Solid	DI Leach	
890-7482-2	SW 06	Soluble	Solid	DI Leach	
890-7482-3	SW 07	Soluble	Solid	DI Leach	
890-7482-4	SW 15	Soluble	Solid	DI Leach	
890-7482-5	SW 16	Soluble	Solid	DI Leach	
MB 880-98112/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-98112/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-98112/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

#### Analysis Batch: 98113

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
890-7482-1	SW 02	Soluble	Solid	300.0	98112
890-7482-2	SW 06	Soluble	Solid	300.0	98112
890-7482-3	SW 07	Soluble	Solid	300.0	98112
890-7482-4	SW 15	Soluble	Solid	300.0	98112
890-7482-5	SW 16	Soluble	Solid	300.0	98112
MB 880-98112/1-A	Method Blank	Soluble	Solid	300.0	98112
LCS 880-98112/2-A	Lab Control Sample	Soluble	Solid	300.0	98112
LCSD 880-98112/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	98112

Page 181 of 277

5

### Job ID: 890-7482-1 SDG: LOCO HILLS

5

9

Job ID: 890-7482-1 SDG: LOCO HILLS

# Lab Sample ID: 890-7482-1 Matrix: Solid

Lab Sample ID: 890-7482-2

Matrix: Solid

Matrix: Solid

**Client Sample ID: SW 02** Date Collected: 12/17/24 09:45 Date Received: 12/17/24 15:04

Project/Site: JACKSON B # 029Y

**Client: CDH Consulting** 

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5035			98116	MNR	EET MID	12/17/24 22:32
Total/NA	Analysis	8021B		1	98007	MNR	EET MID	12/18/24 05:46
Total/NA	Analysis	Total BTEX		1	98129	SM	EET MID	12/18/24 05:46
Total/NA	Analysis	8015 NM		1	98193	SM	EET MID	12/18/24 13:56
Total/NA	Prep	8015NM Prep			98114	EL	EET MID	12/17/24 21:15
Total/NA	Analysis	8015B NM		1	98179	TKC	EET MID	12/18/24 13:56
Soluble	Leach	DI Leach			98112	СН	EET MID	12/17/24 21:02
Soluble	Analysis	300.0		1	98113	SMC	EET MID	12/18/24 00:47

# **Client Sample ID: SW 06**

#### Date Collected: 12/17/24 13:40 Date Received: 12/17/24 15:04

	Batch	Batch		Dilution	Batch			Prepared
Ргер Туре	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5035			98116	MNR	EET MID	12/17/24 22:32
Total/NA	Analysis	8021B		1	98007	MNR	EET MID	12/18/24 06:07
Total/NA	Analysis	Total BTEX		1	98129	SM	EET MID	12/18/24 06:07
Total/NA	Analysis	8015 NM		1	98193	SM	EET MID	12/18/24 13:10
Total/NA	Prep	8015NM Prep			98115	EL	EET MID	12/17/24 21:17
Total/NA	Analysis	8015B NM		1	98181	ткс	EET MID	12/18/24 13:10
Soluble	Leach	DI Leach			98112	СН	EET MID	12/17/24 21:02
Soluble	Analysis	300.0		1	98113	SMC	EET MID	12/18/24 00:52

#### Client Sample ID: SW 07 Date Collected: 12/17/24 13:47

#### Date Received: 12/17/24 15:04

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5035			98116	MNR	EET MID	12/17/24 22:32
Total/NA	Analysis	8021B		1	98007	MNR	EET MID	12/18/24 06:27
Total/NA	Analysis	Total BTEX		1	98129	SM	EET MID	12/18/24 06:27
Fotal/NA	Analysis	8015 NM		1	98193	SM	EET MID	12/18/24 13:24
Total/NA	Prep	8015NM Prep			98115	EL	EET MID	12/17/24 21:17
Total/NA	Analysis	8015B NM		1	98181	ТКС	EET MID	12/18/24 13:24
Soluble	Leach	DI Leach			98112	СН	EET MID	12/17/24 21:02
Soluble	Analysis	300.0		5	98113	SMC	EET MID	12/18/24 01:10

### **Client Sample ID: SW 15** Date Collected: 12/17/24 13:19 Date Received: 12/17/24 15:04

_	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5035			98116	MNR	EET MID	12/17/24 22:32
Total/NA	Analysis	8021B		1	98007	MNR	EET MID	12/18/24 06:48
Total/NA	Analysis	Total BTEX		1	98129	SM	EET MID	12/18/24 06:48

**Eurofins Carlsbad** 

Lab Sample ID: 890-7482-4

Lab Sample ID: 890-7482-3

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

Matrix: Solid

# Lab Chronicle

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

#### Client Sample ID: SW 15 Date Collected: 12/17/24 13:19

Date Received: 12/17/24 15:04

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	8015 NM		1	98193	SM	EET MID	12/18/24 13:41
Total/NA	Prep	8015NM Prep			98115	EL	EET MID	12/17/24 21:17
Total/NA	Analysis	8015B NM		1	98181	ткс	EET MID	12/18/24 13:41
Soluble	Leach	DI Leach			98112	СН	EET MID	12/17/24 21:02
Soluble	Analysis	300.0		10	98113	SMC	EET MID	12/18/24 01:16
lient Samp	le ID: SW 16	;						Lab Sample ID: 890-7482-

#### Client Sample ID: SW 16 Date Collected: 12/17/24 13:31 Date Received: 12/17/24 15:04

#### Batch Batch Dilution Batch Prepared Prep Type Method Run or Analyzed Туре Factor Number Analyst Lab 12/17/24 22:32 Prep 5035 Total/NA 98116 MNR EET MID Total/NA Analysis 8021B 98007 MNR EET MID 12/18/24 07:08 1 Total/NA Total BTEX 12/18/24 07:08 Analysis 1 98129 SM EET MID Total/NA Analysis 8015 NM 98193 SM EET MID 12/18/24 13:56 1 Total/NA Prep 8015NM Prep 98115 EL EET MID 12/17/24 21:17 Total/NA Analysis 8015B NM 98181 TKC EET MID 12/18/24 13:56 1 Soluble Leach **DI Leach** 98112 CH EET MID 12/17/24 21:02 Soluble Analysis 300.0 1 98113 SMC EET MID 12/18/24 01:22

#### Laboratory References:

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

Eurofins Carlsbad

Page 183 of 277

Job ID: 890-7482-1 SDG: LOCO HILLS

# Lab Sample ID: 890-7482-4 Matrix: Solid

8
9

Job ID: 890-7482-1 SDG: LOCO HILLS

### Laboratory: Eurofins Midland

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

uthority	Progra	am	Identification Number	Expiration Date
exas	NELAI	P	T104704400	06-30-25
The following analyte	s are included in this report. bu	it the laboratory is not certif	fied by the governing authority. This list	t mav include analytes
for which the agency	does not offer certification.	-	, , , , , ,	
for which the agency Analysis Method		Matrix	Analyte	
for which the agency	does not offer certification.	-	, , , , , ,	

Eurofins Carlsbad

# **Method Summary**

Client: CDH Consulting Project/Site: JACKSON B # 029Y Job ID: 890-7482-1 SDG: LOCO HILLS

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID
	Environmental Protection Agency Test Mathada For Evaluating Solid Wasta, Physical/Chamical Mathada'', Third Edit	on November 1986 And Its Undates	
	Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edit	on, November 1986 And Its Updates.	
TAL SOP =	<ul> <li>TestAmerica Laboratories, Standard Operating Procedure</li> </ul>		
Laboratory Re	ferences:		
EET MID =	Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440		

#### Laboratory References:

Eurofins Carlsbad

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

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

#### Job ID: 890-7482-1 SDG: LOCO HILLS

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth	
890-7482-1	SW 02	Solid	12/17/24 09:45	12/17/24 15:04	0' - 4'	- А
890-7482-2	SW 06	Solid	12/17/24 13:40	12/17/24 15:04	0' - 4'	
890-7482-3	SW 07	Solid	12/17/24 13:47	12/17/24 15:04	0' - 4'	5
890-7482-4	SW 15	Solid	12/17/24 13:19	12/17/24 15:04	4' - 20'	9
890-7482-5	SW 16	Solid	12/17/24 13:31	12/17/24 15:04	4' - 20'	
						8
						9
						12
						13
						14

12/18/2024

Page 187 of 277

🍀 eurofins

5

13

**Environment Testing** 

Chain of Custody Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300 Midland, TX (432) 704-5440, San Antonio, TX (210) 508-3334 EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296 Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Work Order No:

Job Number: 890-7482-1 SDG Number: LOCO HILLS

List Source: Eurofins Carlsbad

# Login Sample Receipt Checklist

Client: CDH Consulting

# Login Number: 7482 List Number: 1

Creator:	Bruns,	Shannon	

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	

Job Number: 890-7482-1 SDG Number: LOCO HILLS

List Source: Eurofins Midland

List Creation: 12/17/24 08:59 PM

# Login Sample Receipt Checklist

Client: CDH Consulting

Login Number: 7482 List Number: 2 Creator: Laing, Edmundo

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

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

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



**Environment Testing** 

# **ANALYTICAL REPORT**

# PREPARED FOR

Attn: Michael Wicker CDH Consulting 9446 Clermont St, Thornton, Colorado 80229 Generated 12/20/2024 3:03:41 PM

JOB DESCRIPTION

Jackson B #029Y

# **JOB NUMBER**

890-7494-1

Eurofins Carlsbad 1089 N Canal St. Carlsbad NM 88220

See page two for job notes and contact information



# **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

L

Generated 12/20/2024 3:03:41 PM

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

Eurofins Carlsbad is a laboratory within Eurofins Environment Testing South Central, LLC, a company within Eurofins Environment Testing Group of Companies

Page 192 of 277

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Client Sample Results	6
Surrogate Summary	9
QC Sample Results	10
QC Association Summary	13
Lab Chronicle	15
Certification Summary	16
Method Summary	17
Sample Summary	18
Chain of Custody	19
Receipt Checklists	20

Page 193 of 277

	Definitions/Glossary		
Client: CDH Co	-	Job ID: 890-7494-1	
Project/Site: Jac	ckson B #029Y		
Qualifiers			3
GC VOA			
Qualifier	Qualifier Description		
U	Indicates the analyte was analyzed for but not detected.		
GC Semi VOA			5
Qualifier	Qualifier Description		
*+	LCS and/or LCSD is outside acceptance limits, high biased.		
S1+	Surrogate recovery exceeds control limits, high biased.		
U	Indicates the analyte was analyzed for but not detected.		
HPLC/IC			
Qualifier	Qualifier Description		8
U	Indicates the analyte was analyzed for but not detected.		
Glossary			9
Abbreviation	These commonly used abbreviations may or may not be present in this report.		
<del>ф</del>	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)		

Toxicity Equivalent Factor (Dioxin)

Too Numerous To Count

Toxicity Equivalent Quotient (Dioxin)

RPD

TEF

TEQ

TNTC

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

**Case Narrative** 

Job ID: 890-7494-1

Page 194 of 277

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

# **Eurofins Carlsbad**

Job ID: 890-7494-1

#### Job Narrative 890-7494-1

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

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

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

#### Receipt

The samples were received on 12/19/2024 1:30 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.6°C.

#### GC VOA

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

#### **Diesel Range Organics**

Method 8015MOD NM: The method blank for preparation batch 880-98404 and analytical batch 880-98430 contained Diesel Range Organics (Over C10-C28) above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

Method 8015MOD NM: An incorrect volume of surrogate spiking solution was inadvertently added the following samples: (LCS 880-98404/2-A) and (LCSD 880-98404/3-A). Percent recoveries are based on the amount spiked.

Method 8015MOD\_NM: The laboratory control sample (LCS) associated with preparation batch 880-98404 and analytical batch 880-98430 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

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

#### HPLC/IC

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

Job ID: 890-7494-1

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

# **Client Sample ID: SW02**

Date Collected: 12/19/24 08:57 Date Received: 12/19/24 13:30

Sample Depth: 0-4

# Lab Sample ID: 890-7494-1

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/20/24 08:21	12/20/24 11:23	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/20/24 08:21	12/20/24 11:23	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/20/24 08:21	12/20/24 11:23	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/20/24 08:21	12/20/24 11:23	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/20/24 08:21	12/20/24 11:23	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/20/24 08:21	12/20/24 11:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	80		70 - 130				12/20/24 08:21	12/20/24 11:23	1
1,4-Difluorobenzene (Surr)	93		70 - 130				12/20/24 08:21	12/20/24 11:23	1
Method: TAL SOP Total BTEX - To	otal BTEX Calo	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/20/24 11:23	1
Method: SW846 8015 NM - Diese	Range Organ	ics (DRO) (	GC)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			12/20/24 13:36	1
Method: SW846 8015B NM - Dies	el Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U *+	49.8		mg/Kg		12/19/24 21:32	12/20/24 13:36	1
Diesel Range Organics (Over C10-C28)	<49.8	U *+	49.8		mg/Kg		12/19/24 21:32	12/20/24 13:36	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/19/24 21:32	12/20/24 13:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130				12/19/24 21:32	12/20/24 13:36	1
o-Terphenyl	95		70 - 130				12/19/24 21:32	12/20/24 13:36	1
Method: EPA 300.0 - Anions, Ion		-	e						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	698		9.96		mg/Kg			12/20/24 10:45	1
lient Sample ID: SW06							Lab San	nple ID: 890-	7494-2
ate Collected: 12/19/24 10:55								Matri	x: Solid
ate Received: 12/19/24 13:30									
ample Depth: 0-4									
Method: SW846 8021B - Volatile	Organic Comp	ounds (GC)							
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202		0.00202		mg/Kg		12/20/24 08:21	12/20/24 11:44	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		12/20/24 08:21	12/20/24 11:44	1
Toluene	<0.00202	U	0.00202		mg/Kg		12/20/24 08:21	12/20/24 11:44	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		12/20/24 08:21	12/20/24 11:44	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		12/20/24 08:21	12/20/24 11:44	1

o-Xylene <0.00202 U 0.00202 mg/Kg 12/20/24 08:21 12/20/24 11:44 1 Surrogate %Recovery Qualifier Limits Prepared Dil Fac Analyzed 4-Bromofluorobenzene (Surr) 82 70 - 130 12/20/24 08:21 12/20/24 11:44 1

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

Method: TAL SOP Total BTEX - Total BTEX Calculation

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

%Recovery Qualifier

Result Qualifier

Ū

Result Qualifier

92

< 0.00404

# **Client Sample Results**

Limits

70 - 130

RL

ы

0.00404

MDL Unit

мпі Unit

mg/Kg

Job ID: 890-7494-1

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

# **Client Sample ID: SW06**

Date Collected: 12/19/24 10:55

Date Received: 12/19/24 13:30 Sample Depth: 0-4

1,4-Difluorobenzene (Surr)

Surrogate

Analyte

Analyte

Total BTEX

# Lab Sample ID: 890-7494-2

Analyzed

12/20/24 11:44

Analyzed

12/20/24 11:44

Analyzod

Prepared

12/20/24 08:21

Prepared

Droparod

D

n

Matrix: Solid

Dil Fac

Dil Fac

Matrix: Solid

5

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dii Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/20/24 13:52	1
 Method: SW846 8015B NM - Dies	el Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *+	50.0		mg/Kg		12/19/24 21:32	12/20/24 13:52	1
Diesel Range Organics (Over C10-C28)	<50.0	U *+	50.0		mg/Kg		12/19/24 21:32	12/20/24 13:52	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/19/24 21:32	12/20/24 13:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130				12/19/24 21:32	12/20/24 13:52	1
o-Terphenyl	97		70 - 130				12/19/24 21:32	12/20/24 13:52	1
	Chromatograp	ohy - Solubl	e						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	399		10.0		mg/Kg			12/20/24 10:52	1
Client Sample ID: SW07							Lab Sar	nple ID: 890-	7494-3

#### **Client Sample ID: SW07**

Date Collected: 12/19/24 11:35 Date Received: 12/19/24 13:30 Sample Depth: 0-4

#### Method: SW846 8021B - Volatile Organic Compounds (GC) Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac Benzene <0.00200 U 0.00200 mg/Kg 12/20/24 08:21 12/20/24 12:04 Ethylbenzene <0.00200 U 0.00200 mg/Kg 12/20/24 08.21 12/20/24 12:04 1 Toluene <0.00200 U 0.00200 mg/Kg 12/20/24 08:21 12/20/24 12:04 0.00401 12/20/24 12:04 Xylenes, Total <0.00401 U mg/Kg 12/20/24 08:21 1 m-Xylene & p-Xylene <0.00401 U 0.00401 mg/Kg 12/20/24 08:21 12/20/24 12:04 o-Xylene <0.00200 U 0.00200 mg/Kg 12/20/24 08:21 12/20/24 12:04 1 %Recovery Surrogate Qualifier Limits Dil Fac Prepared Analvzed 70 - 130 4-Bromofluorobenzene (Surr) 83 12/20/24 08:21 12/20/24 12:04 1 1,4-Difluorobenzene (Surr) 96 70 - 130 12/20/24 08:21 12/20/24 12:04 1 Method: TAL SOP Total BTEX - Total BTEX Calculation Analvte Result Qualifier RL MDL Unit D Dil Fac Prepared Analvzed Total BTEX <0.00401 Ū 0.00401 12/20/24 12:04 mg/Kg Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC) Dil Fac Analyte Result Qualifier RL MDL Unit D Prepared Analyzed <49.7 U Total TPH 49.7 12/20/24 14:07 mg/Kg 1

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

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Result Qualifier

<49.7 U \*+

<49.7 U\*+

<49.7 U

%Recovery Qualifier

105

110

136

Result Qualifier

## **Client Sample Results**

RL

49.7

49.7

49.7

RL

9.96

Limits

70 - 130

70 - 130

MDL Unit

MDL Unit

mg/Kg

mg/Kg

mg/Kg

mg/Kg

D

D

Prepared

12/19/24 21:32

12/19/24 21:32

12/19/24 21:32

Prepared

12/19/24 21:32

12/19/24 21:32

Prepared

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

# Client Sample ID: SW07

# Date Collected: 12/19/24 11:35

Date Received: 12/19/24 13:30 Sample Depth: 0-4

Gasoline Range Organics

Diesel Range Organics (Over

Oil Range Organics (Over C28-C36)

Analyte

C10-C28)

Surrogate 1-Chlorooctane

o-Terphenyl

Analyte

Chloride

(GRO)-C6-C10

Job	ID:	890-74	194-1

# Lab Sample ID: 890-7494-3

Analyzed

12/20/24 14:07

12/20/24 14:07

12/20/24 14:07

Analyzed

12/20/24 14:07

12/20/24 14:07

Analyzed 12/20/24 10:59

Matrix: Solid

Dil Fac

1

1

1

1

1

1

Dil Fac

Dil Fac

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

#### Matrix: Solid

BFB1         DFB21           Lab Sample ID         Client Sample ID         (70-130)         (70-130)           890-7494-1         SW02         80         93           890-7494-1 MS         SW02         88         108           890-7494-1 MSD         SW02         88         108           890-7494-2         SW02         101         106           890-7494-2         SW06         82         92           890-7494-3         SW07         83         96           LCS 880-98429/1-A         Lab Control Sample         103         96           LCSD 880-98429/2-A         Lab Control Sample Dup         85         105           MB 880-98429/5-A         Method Blank         79         91	-				Percent Surrogate Recovery (Acceptance Limits)
Bit Complete         K <thk< th="">         K         <thk< th="">         K         <thk< th="">         K         <thk< th=""> <thk< <="" th=""><th></th><th></th><th>BFB1</th><th>DFBZ1</th><th></th></thk<></thk<></thk<></thk<></thk<>			BFB1	DFBZ1	
890-7494-1 MS     SW02     88     108       890-7494-1 MSD     SW02     101     106       890-7494-2     SW06     82     92       890-7494-3     SW07     83     96       LCS 880-98429/1-A     Lab Control Sample     103     96       LCSD 880-98429/2-A     Lab Control Sample Dup     85     105       MB 880-98429/5-A     Method Blank     79     91	Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
890-7494-1 MSDSW02101106890-7494-2SW068292890-7494-3SW078396LCS 880-98429/1-ALab Control Sample10396LCSD 880-98429/2-ALab Control Sample Dup85105MB 880-98429/5-AMethod Blank7991	890-7494-1	SW02	80	93	
890-7494-2     SW06     82     92       890-7494-3     SW07     83     96       LCS 880-98429/1-A     Lab Control Sample     103     96       LCSD 880-98429/2-A     Lab Control Sample Dup     85     105       MB 880-98429/5-A     Method Blank     79     91	890-7494-1 MS	SW02	88	108	
890-7494-3SW078396LCS 880-98429/1-ALab Control Sample10396LCSD 880-98429/2-ALab Control Sample Dup85105MB 880-98429/5-AMethod Blank7991	890-7494-1 MSD	SW02	101	106	
LCS 880-98429/1-A         Lab Control Sample         103         96           LCSD 880-98429/2-A         Lab Control Sample Dup         85         105           MB 880-98429/5-A         Method Blank         79         91	890-7494-2	SW06	82	92	
LCSD 880-98429/2-A         Lab Control Sample Dup         85         105           MB 880-98429/5-A         Method Blank         79         91	890-7494-3	SW07	83	96	
MB 880-98429/5-A Method Blank 79 91	LCS 880-98429/1-A	Lab Control Sample	103	96	
	LCSD 880-98429/2-A	Lab Control Sample Dup	85	105	
Surrageta Lagand	MB 880-98429/5-A	Method Blank	79	91	
	Surrogate Legend				

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

#### Matrix: Solid

				Deveent Surveyed Deservey (Assentance Limits)
		1CO1	OTPH1	Percent Surrogate Recovery (Acceptance Limits)
mple ID	Client Sample ID	(70-130)	(70-130)	
-1	SW02	92	95	
4-2	SW06	92	97	
494-3	SW07	105	110	
-98404/2-A	Lab Control Sample	158 S1+	172 S1+	
880-98404/3-A	Lab Control Sample Dup	166 S1+	175 S1+	
80-98404/1-A	Method Blank	93	96	

#### Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Prep Type: Total/NA

Prep Type: Total/NA

Page 198 of 277

# **QC Sample Results**

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

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

Lab Sample ID: MB 880-984	29/5-A									Client Sa	ample ID: Metho	
Matrix: Solid											Prep Type: 7	
Analysis Batch: 98345											Prep Batcl	า: <b>98429</b>
	М	B MB										
Analyte	Resu	It Qualifier	R	L	MDL	Unit		D	P	repared	Analyzed	Dil Fac
Benzene	<0.0020	0 U	0.0020	0		mg/K	ζg		12/2	0/24 08:21	12/20/24 11:02	1
Ethylbenzene	<0.0020	0 U	0.0020	0		mg/K	ίg		12/2	0/24 08:21	12/20/24 11:02	1
Toluene	<0.0020	0 U	0.0020	0		mg/K	ίg		12/2	0/24 08:21	12/20/24 11:02	1
Xylenes, Total	< 0.0040	0 U	0.0040	0		mg/K	ξg		12/2	0/24 08:21	12/20/24 11:02	1
m-Xylene & p-Xylene	<0.0040	0 U	0.0040	0		mg/K	ίg		12/2	0/24 08:21	12/20/24 11:02	1
o-Xylene	<0.0020	0 U	0.0020	0		mg/K	ζg		12/2	0/24 08:21	12/20/24 11:02	1
	м	B MB										
Surrogate	%Recover	y Qualifier	Limits						Р	repared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	7	'9	70 - 130	_					12/2	20/24 08:21	12/20/24 11:02	1
1,4-Difluorobenzene (Surr)	ç	1	70 - 130						12/2	20/24 08:21	12/20/24 11:02	1
Matrix: Solid Analysis Batch: 98345											Prep Type: <sup>-</sup> Prep Batcl	
Analysis Batch: 98345			• "									n: 98429
A			Spike		LCS		11		_	0/ D	%Rec	
Analyte Benzene			Added	Result 0.09483	Qua	litier	Unit			%Rec	Limits	
				0.09463			mg/Kg			95 104		
Ethylbenzene			0.100	0.1041			mg/Kg			104	70 - 130	
Toluene			0.100				mg/Kg			94	70 - 130	
m-Xylene & p-Xylene			0.200	0.2038			mg/Kg			102	70 - 130	
o-Xylene			0.100	0.1006			mg/Kg			101	70 - 130	
	LCS LC	cs										
Surrogate	%Recovery Q	ualifier	Limits									
4-Bromofluorobenzene (Surr)	103		70 - 130									
1,4-Difluorobenzene (Surr)	96		70 - 130									
_ Lab Sample ID: LCSD 880-9	8429/2-A						CI	ient	Sam	nole ID: I	ab Control Sam	ple Dup
Matrix: Solid											Prep Type: <sup>-</sup>	
Analysis Batch: 98345											Prep Batcl	

Analysis Batch: 98345							Prep Batch: 98429			
	Spike	LCSD	LCSD				%Rec		RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Benzene	0.100	0.1013		mg/Kg		101	70 - 130	7	35	
Ethylbenzene	0.100	0.08580		mg/Kg		86	70 - 130	19	35	
Toluene	0.100	0.09665		mg/Kg		97	70 - 130	3	35	
m-Xylene & p-Xylene	0.200	0.1694		mg/Kg		85	70 - 130	18	35	
o-Xylene	0.100	0.08283		mg/Kg		83	70 - 130	19	35	

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	85		70 - 130
1,4-Difluorobenzene (Surr)	105		70 - 130

#### Lab Sample ID: 890-7494-1 MS Matrix: Solid

#### Analysis Ratch: 08345

Analysis Batch: 98345									Pre	Batch: 98429
	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00199	U	0.0996	0.1025		mg/Kg		103	70 - 130	
Ethylbenzene	<0.00199	U	0.0996	0.08525		mg/Kg		86	70 - 130	

Eurofins Carlsbad

Client Sample ID: SW02

Prep Type: Total/NA

# **QC Sample Results**

MS MS

Qualifier

Unit

mg/Kg

mg/Kg

mg/Kg

D

Prepared

12/19/24 21:32

12/19/24 21:32

12/19/24 21:32

Prepared

12/19/24 21:32

12/19/24 21:32

Result

0.09712

0.1693

0.08191

Spike

Added

0.0996

0.199

0.0996

Limits 70 - 130

70 - 130

70 - 130

70 - 130

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

Lab Sample ID: 890-7494-1 MS

Analysis Batch: 98345

4-Bromofluorobenzene (Surr)

Analysis Batch: 98345

4-Bromofluorobenzene (Surr)

1,4-Difluorobenzene (Surr)

Lab Sample ID: 890-7494-1 MSD

1,4-Difluorobenzene (Surr)

Matrix: Solid

m-Xylene & p-Xylene

Analyte

Toluene

o-Xylene

Surrogate

Matrix: Solid

Surrogate

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

Sample Sample

U

U

MS MS

88

108

Qualifier

Qualifier

Result

<0.00199

<0.00398

%Recovery

<0.00199 U

%Rec

Limits

70 - 130

70 - 130

70 - 130

%Rec

98

85

82

D

5
7
8
9

Client Sample ID: SW02
Prep Type: Total/NA
Prep Batch: 98429

ple ID: SW02
pe: Total/NA
Batch: 98429
RPD

Limit

35 35

35

35

35

Dil Fac

1

1

1

1

1

Dil Fac

Prep Type: Total/NA
Prep Batch: 98429
0/ D DDD

**Client Sample ID: Method Blank** 

Analyzed

12/20/24 09:12

12/20/24 09:12

12/20/24 09:12

Analyzed

12/20/24 09:12

12/20/24 09:12

**Client Sample ID: Lab Control Sample** 

Prep Type: Total/NA Prep Batch: 98404

	Sample	Sample	Spike	MSD	MSD				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD
Benzene	<0.00199	U	0.101	0.1051		mg/Kg		104	70 - 130	2
Ethylbenzene	<0.00199	U	0.101	0.08356		mg/Kg		83	70 - 130	2
Toluene	<0.00199	U	0.101	0.09885		mg/Kg		98	70 - 130	2
m-Xylene & p-Xylene	<0.00398	U	0.202	0.1680		mg/Kg		83	70 - 130	1
o-Xylene	<0.00199	U	0.101	0.09857		mg/Kg		98	70 - 130	18
	MSD	MSD								
Surrogate	%Recovery	Qualifier	Limits							

	NM - Diesel Range	<b>^</b> ·	
Mothod' XU16R	NM = NOSOL Pando	Iragnice	
MELIIUU, UUIJD		Oruanics	
			(

Lab Sample ID: MB 880-98404/1-A Matrix: Solid Analysis Batch: 98430					
	MB	МВ			
Analyte	Result	Qualifier	RL	MDL	Unit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg

101

106

	MB	МВ	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	93		70 - 130
o-Terphenyl	96		70 - 130

# Lab Sample ID: LCS 880-98404/2-A Matrix: Solid

Analysis Batch: 98430							Prep	o Batch: 9	8404
	Spike	LCS	LCS				%Rec		
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics	1000	1398	*+	mg/Kg		140	70 - 130		
(GRO)-C6-C10									
Diesel Range Organics (Over	1000	1468	*+	mg/Kg		147	70 - 130		
C10-C28)									

**Eurofins Carlsbad** 

Prep Type: Total/NA

# **QC Sample Results**

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

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

Gasoline Range Organics         1000         1455         **         mg/Kg         147         70.130           Gasoline Range Organics (Over C10-C28)         1000         1590         **         mg/Kg         159         70.130           Surrogate         %Recovery         Qualifier         Limits         70.130         159         70.130           Surrogate         %Recovery         Qualifier         Limits         70.130         70.130           o-Terphenyl         175         51+         70.130         70.130         70.130           Method:         300.0 - Anions, Ion Chromatography         175         51+         70.130         70.130           Lab Sample ID: IMB 880-98373/1-A         Client Sample ID: Method:         Prep Typ         Analyzed         Prep Typ           Analyte         Result         Qualifier         RL         MDL         Unit         D         Prepared         Analyzed           Chloride         <10.0         U         10.0         mg/Kg         D         Method:         12/20/24 03:0           Lab Sample ID: LCS 880-98373/2-A         Spike         LCS LCS         LCS LCS         Method:         250         258.6         Qualifier         Unit         Prep Typ <td< th=""><th>e: Tot</th><th>ample tal/NA</th></td<>	e: Tot	ample tal/NA
Surrogate         %Recovery         Qualifier         Limits           1-Ohronoctane         158         51+         70.130           o-Terphenyl         172         51+         70.130           Lab Sample ID: LCSD 880-98404/3-A         Client Sample ID: Lab Control St         Prep Typ           Matrix: Solid         Prep Ba         Prep Ba           Analysis Batch: 98430         Spike         LCSD         VSRec         Limits         Prep Ba           Gaseline Range Organics         1000         1465         **         mg/Kg         147         70.130           Gaseline Range Organics         1000         1465         **         mg/Kg         147         70.130           Gaseline Range Organics (Over         1000         1590         **         mg/Kg         159         70.130           Surrogate         %Recovery Qualifier         Limits         70.130         159         70.130           Method: 300.0 - Anions, Ion Chromatography         175         51+         70.130         Prep Typ           Analysis Batch: 98377         Mit MB         Matrix: Solid         MDL         Unit         D         Prep Typ           Analysis Batch: 98377         Kit MB         Added         Resut         Qualifier	tch:	98404
T-Chlorooctane       158       \$f+       70.130         o-Terphenyl       172       \$f+       70.130         Lab Sample ID: LCSD 880-98404/3-A       Client Sample ID: Lab Control S: Prep Typ         Analysis Batch: 98430       Spike       LCSD       LCSD       LCSD       LB       Spike       Client Sample ID: Lab Control S: Prep Typ         Analyte       Added       Result       Qualifier       Unit       D       %Rec       Limits       1         GROLO-CG-C10       1000       1590       *+       mg/Kg       159       70.130         Diseal Range Organics (Over C10-C28)       LCSD       LCSD       LCSD       LCSD       L         Surrogate       %Recovery       Qualifier       Limits       1       159       70.130         Method: 300.0 - Anions, Ion Chromatography       175       S1+       70.130       Prep Typ         Matrix: Solid       Result       Qualifier       Imits       1		
T-Chlorooctane       158       \$f+       70.130         o-Terphenyl       172       \$f+       70.130         Lab Sample ID: LCSD 880-98404/3-A       Client Sample ID: Lab Control S: Prep Typ         Analysis Batch: 98430       Spike       LCSD       LCSD       LCSD       LB       Spike       Client Sample ID: Lab Control S: Prep Typ         Analyte       Added       Result       Qualifier       Unit       D       %Rec       Limits       1         GROLO-CG-C10       1000       1590       *+       mg/Kg       159       70.130         Diseal Range Organics (Over C10-C28)       LCSD       LCSD       LCSD       LCSD       L         Surrogate       %Recovery       Qualifier       Limits       1       159       70.130         Method: 300.0 - Anions, Ion Chromatography       175       S1+       70.130       Prep Typ         Matrix: Solid       Result       Qualifier       Imits       1		
a-Terphenyl       172       S1+       70.130         Lab Sample ID: LCSD 880-98404/3-A Matrix: Solid       Client Sample ID: Lab Control Si Prep Typ Analysis Batch: 98430       Prep Typ Prep Batch: 98430         Analyte       Added       Result Qualifier       Unit       D       %Rec         Gasoline Range Organics (GRO:Oc-C10 Diesel Range Organics (Over C10-C28)       1000       1465       *+       mg/Kg       147       70.130         Surrogate       %Recovery 1-Chirococtane       0001       1590       *+       mg/Kg       159       70.130         O-Terphenyl       175       S1+       70.130       Client Sample ID: Mag       Mag         Matrix: Solid       LCSD       LCSD       Client Sample ID: Mag       Prep Typ 70.130         Matrix: Solid       MB       MB       MB       Prep Typ 70.130       Maltrix: Solid       Prep Typ 70.130         Lab Sample ID: LCS 880-98373/1-A Matrix: Solid       MB       MB       MB       Maltrix: Solid       Prep Typ 70.100       Maltrix: Solid         Analyte       Result       Qualifier       RL       MDL       Unit       D       Prep Typ 70.130       Maltrix: Solid         Analyte       Client Sample ID: LCS 880-98373/2-A       Client Sample ID: Lab Control Si 70.00       MB MB       Maltrix: Sol		
Matrix: Solid Analysis Batch: 98430     Prep Type Prep Ba       Analyte     Added     Result     Qualifier Marky:     Unit     D     %Rec     Limits     To     100       Gasoline Range Organics (GRO)-C6-C10     1000     1465     *+     mg/Kg     147     70.130     To     130       Diesel Range Organics (GRO)-C6-C10     1000     1590     *+     mg/Kg     159     70.130       Surrogate     %Recovery     Qualifier     Limits     70.130     To     147     70.130       Wethod: 300.0 - Anions, Ion Chromatography     175     S1+     70.130     To     70.130     To     70.130       Lab Sample ID: MB 880-98373/1-A     Keesuit     Qualifier     NDL     Unit     D     Prep Type       Analyte     Result     Qualifier     Ru     MDL     Unit     D     YRec       Choride     <10.0     Unit     D     YRec     Limits		
Matrix: Solid Analysis Batch: 98430     Prep Type Prep Ba       Analyte     Added     Result     Qualifier Marky:     Unit     D     %Rec     Limits     To     100       Gasoline Range Organics (GRO)-C6-C10     1000     1465     *+     mg/Kg     147     70.130     To     130       Diesel Range Organics (GRO)-C6-C10     1000     1590     *+     mg/Kg     159     70.130       Surrogate     %Recovery     Qualifier     Limits     70.130     To     147     70.130       Wethod: 300.0 - Anions, Ion Chromatography     175     S1+     70.130     To     70.130     To     70.130       Lab Sample ID: MB 880-98373/1-A     Keesuit     Qualifier     NDL     Unit     D     Prep Type       Analyte     Result     Qualifier     Ru     MDL     Unit     D     YRec       Choride     <10.0	ample	le Dup
Analysis Batch: 98430       Prep Ba         Analysis Batch: 98430       Spike       LCSD       LCSD       WRec         Analyte       Added       Result Qualifier       Unit       D       %Rec       Limits       I         Gasoline Range Organics (GRO)Co6-C10       1000       1465       *+       mg/Kg       159       70 - 130         Diseal Range Organics (Over C10-C28)       1000       1590       *+       mg/Kg       159       70 - 130         Surrogate       %Recovery       Qualifier       Limits       -       -       -       -         Or-Crboroctane       166       S1+       70 - 130       -	-	
Spike     LCSD     LCSD     %Rec       Analyte     Added     Result     Qualifier     Unit     D     %Rec     Limits     I       Gasoline Range Organics (GRO)-C6-C10     1000     1465     *+     mg/Kg     147     70-130     147       Diesel Range Organics (Over C10-C28)     1000     1590     *+     mg/Kg     159     70-130       Surrogate     %Rec over %Recovery     Qualifier     Limits       1-Chlorooctane     166     \$1+     70-130       o-Tephenyl     175     \$1+     70-130       Method:     300.0 - Anions, Ion Chromatography       Lab Sample ID: MB 880-98373/1-A     Client Sample ID: Met Matrix: Solid       Analyte     Result     Qualifier     RL       Choride     <10.0		
Analyte       Added       Result       Qualifier       Unit       D       %Rec       Limits       I         Gasoline Range Organics (GRO)-C6-C10       1000       1465 *+       mg/Kg       159       70.130       70.130         Diesel Range Organics (Over C10-C28)       LCSD       LCSD       LCSD       1590       *+       mg/Kg       159       70.130         Surrogate       %Recovery 1-Chiorocotane       Qualifier       Limits       Chiorocotane       Chier Sample ID:       MB       MB         Analyte       Result       Qualifier       Limits       Client Sample ID: Me       Prep Typ         Analyte       Result       Qualifier       RL       MDL       Unit       D       Prepared       Analyzed         Chioride       10.0       U       10.0       mg/Kg       D       Prepared       Analyzed         Chioride       <10.0       U       10.0       mg/Kg       D       Prep Typ         Analyte       Result       Qualifier       RL       MDL       Unit       D       Prep Typ         Analyte       Result       Qualifier       RL       MDL       Unit       D       %Rec       Misits: Solid       Note: Solid       Note: Solid <th></th> <th>RPD</th>		RPD
Gasoline Range Organics (GRQ)-C6-C10         1000         1465         **         mg/Kg         147         70.130           Diesel Range Organics (Over C10-C28)         1000         1590         **         mg/Kg         159         70.130           Surrogate         %Recovery 1000         1000         1590         **         mg/Kg         159         70.130           Surrogate         %Recovery 1000         175         S1*         70.130         70.130           Method:         300.0 - Anions, Ion Chromatography         175         S1*         70.130           Method:         S00.0 - Anions, Ion Chromatography         Init         Prep Typ         Prep Typ           Analyte         Result         Qualifier         RL         MDL         Unit         D         Prepared         Analyzed           Chonde         <10.0	RPD	Limit
(GRO)-C6-C10         Dissel Range Organics (Over C10-C28)         1000         1590         *+         mg/Kg         159         70.130           Surrogate         %Recovery         Qualifier         Limits         mg/Kg         159         70.130           Surrogate         %Recovery         Qualifier         Limits         TO.130         Client Sample ID:         Sample ID:         Method: 300.0         Anions, Ion Chromatography           Lab Sample ID:         MB 880-98373/1-A         Client Sample ID:         Method:         Prep Type           Analyte         Result         Qualifier         RL         MDL         Unit         D         Prepared         Analyzed           Choride         <10.0         U         10.0         mg/Kg         D         Prepared         Analyzed           Lab Sample ID:         LCS 880-98373/2-A         MB         MB         MB         MDL         Unit         D         Prep Type           Analyte         Result         Qualifier         Result         Qualifier         Unit         D         %Rec         Limits           Client Sample ID:         LCS 880-98373/2-A         Spike         LCS LCS         LS         LS         Matrix: Solid         Spike         LCS         LCS <td>5</td> <td>20</td>	5	20
Diesel Range Organics (Over C10-C28)     LCSD     Limits       0-Terphenyl     175     S1+     70 - 130     70 - 130     Client Sample ID: MB     Method: 300.0 - Anions, Ion Chromatography       Lab Sample ID: MB 880-98373/1-A     MB     Matrix: Solid     Prep Type       Analyte     Result     Qualifier     RL     MDL     Unit     D     Prepared     Analyzed       Choride     <10.0		20
LCSD       LCSD       Limits         1-Chiorooctane       166       \$1+       70.130         o-Terphenyi       175       \$1+       70.130         Method:       300.0 - Anions, Ion Chromatography       Client Sample ID: MB 880-98373/1-A       Client Sample ID: Method:         Lab Sample ID: MB 880-98373/1-A       Client Sample ID: Method:       Prep Type         Analyte       Result       Qualifier       RL       MDL       Unit       D       Prepared       Analyzed         Chioride       <10.0	8	20
Surrogate       %Recovery       Qualifier       Limits         1-Chlorooctane       166       \$1+       70.130         o-Terphenyl       175       \$1+       70.130         Method:       300.0 - Anions, Ion Chromatography       Client Sample ID: MB 880-98373/1-A       Client Sample ID: Method:         Lab Sample ID: MB 880-98373/1-A       Client Sample ID: Method:       Prep Type         Analyte       Result       Qualifier       RL       MDL       Unit       D       Prepared       Analyzed         Chloride       <10.0		
Surrogate       %Recovery       Qualifier       Limits         1-Chlorooctane       166       \$1+       70.130         o-Terphenyl       175       \$1+       70.130         Method:       300.0 - Anions, Ion Chromatography       Client Sample ID: MB 880-98373/1-A       Client Sample ID: Method:         Lab Sample ID: MB 880-98373/1-A       Client Sample ID: Method:       Prep Type         Analyte       Result       Qualifier       RL       MDL       Unit       D       Prepared       Analyzed         Chloride       <10.0		
1-Chlorooctane       166       \$1+       70.130         o-Terphenyl       175       \$1+       70.130         Method: 300.0 - Anions, lon Chromatography       Its \$1+       70.130         Lab Sample ID: MB 880-98373/1-A       Client Sample ID: Method: Solid       Prep Typ         Analyte       Result       Qualifier       RL       MDL       Unit       D       Prepared       Analyzed         Choride       <10.0		
o-Terphenyl     175     \$1+     70-130       Method: 300.0 - Anions, Ion Chromatography     Lab Sample ID: MB 880-98373/1-A     Client Sample ID: Method: Sample ID: Method: Sample ID: Method: Sample ID: MB 880-98373/1-A       Matrix: Solid     Result     Qualifier     RL     MDL     Unit     D     Prepared     Analyzed       Analyte     Result     Qualifier     RL     MDL     Unit     D     Prepared     Analyzed       Lab Sample ID: LCS 880-98373/2-A     Kesult     Qualifier     ILCS     LCS     LCS     LCS     Client Sample ID: Lab Control Sample ID: Lab Control Sample ID: LCSD 880-98373/2-A       Analyte     Added     Result     Qualifier     Unit     D     %Rec       Analyte     Added     250     258.6     Qualifier     Unit     D     %Rec       Chloride     250     258.6     Client Sample ID: Lab Control Sample ID: Lab Control Sample ID: Lab Control Sample ID: LCSD 880-98373/3-A     Client Sample ID: Lab Control Sample ID: Lab Control Sample ID: Lab Control Sample ID: Lab Control Sample ID: LCSD 880-98373/3-A       Matrix: Solid     Prep Typ       Analysis Batch: 98377     Prep Typ		
Method: 300.0 - Anions, Ion Chromatography         Lab Sample ID: MB 880-98373/1-A       Client Sample ID: Method: Solid         Matrix: Solid       Prep Type         Analysis Batch: 98377       MB MB         Analyte       Result       Qualifier       RL       MDL       Unit       D       Prepared       Analyzed         Chloride       <10.0		
Lab Sample ID: MB 880-98373/1-A       Client Sample ID: Met Analysis Batch: 98377         Matrix: Solid       Result       Qualifier       RL       MDL       Unit       D       Prepared       Analyzed         Analyte       Result       Qualifier       RL       MDL       Unit       D       Prepared       Analyzed         Chloride       <10.0       U       10.0       MDL       Unit       D       Prepared       Analyzed         Lab Sample ID: LCS 880-98373/2-A       Client Sample ID: Lab Control Randysis Batch: 98377       Spike       LCS       LCS       LCS       %Rec       Limits       Prep Typ         Analyte       Added       Result       Qualifier       Unit       D       %Rec       Limits       90 - 110         Chloride       250       258.6       mg/Kg       103       90 - 110       Prep Typ         Lab Sample ID: LCSD 880-98373/3-A       Client Sample ID: Lab Control Sample ID: Lab Control Sample ID: Lab Control Sample ID: Lab Control Sample ID: LCSD 880-98373/3-A       Prep Typ         Matrix: Solid       Prep Typ       Prep Typ       Prep Typ         Analysis Batch: 98377       Watrix Sample ID: Lab Control Sample ID:		
Malysis Batch: 98377       MB       MB         Analyte       Result       Qualifier       RL       MDL       Unit       D       Prepared       Analyzed         Chloride       <10.0		
MB     MB       Analyte     Result     Qualifier     RL     MDL     Unit     D     Prepared     Analyzed       Chloride     <10.0	le: 30	oluble
Analyte ChlorideResult (10.0)Qualifier URL (10.0)MDL (10.0)Unit mg/KgD PreparedAnalyzed (12/20/24 03:0)Lab Sample ID: LCS 880-98373/2-A Matrix: Solid Analysis Batch: 98377Spike AddedLCS (LCS)LCS (LCS)Client Sample ID: Lab Control (Prep Type)Analyte ChlorideAdded (250)Result (258.6)Qualifier (103)Unit (103)D (NRec (Limits)Lab Sample ID: LCSD 880-98373/3-A Matrix: Solid Analysis Batch: 98377Spike (250)LCS (258.6)Client Sample ID: Lab Control Sample ID: Lab Control Sample ID: Lab Control Sample ID: LCSD 880-98373/3-A Matrix: Solid Analysis Batch: 98377Prep Type (Prep Type)		
Chloride<10.0IDIDID/		
Lab Sample ID: LCS 880-98373/2-A       Client Sample ID: Lab Control         Matrix: Solid       Prep Type         Analysis Batch: 98377       Spike       LCS       LCS         Analyte       Added       Result       Qualifier       Unit       D       %Rec         Chloride       250       258.6       Glient Sample ID: Lab Control Sample ID: LCSD 880-98373/3-A       Client Sample ID: Lab Control		Dil Fac
Matrix: Solid Analysis Batch: 98377     Spike     LCS     LCS     LCS     KRec       Analyte Chloride     Added     Result     Qualifier     Unit     D     %Rec       Lab Sample ID: LCSD 880-98373/3-A Matrix: Solid Analysis Batch: 98377     Elient Sample ID: Lab Control Sample ID: Lab Cont	0	1
Spike     LCS     LCS     MRec       Analyte     Added     Result     Qualifier     Unit     D     %Rec       Chloride     250     258.6     mg/Kg     D     %Rec     Limits       Lab Sample ID: LCSD 880-98373/3-A     Client Sample ID: Lab Control Sa       Matrix: Solid     Prep Type       Analysis Batch: 98377		
Analyte     Added     Result     Qualifier     Unit     D     %Rec     Limits       Chloride     250     258.6     mg/Kg     103     90 - 110       Lab Sample ID: LCSD 880-98373/3-A     Client Sample ID: Lab Control Sample ID: Lab Control Sample ID: Lab Control Sample ID: Lab Control Sample ID: Sample ID: Lab Control Sample ID: Lab Control Sample ID: Sample ID: Lab Control Sample ID: Sample ID: Lab Control Sample ID: Lab Control Sample ID: Sample ID: Lab Control Sample ID: Lab Control Sample ID: Sam		
Chloride     250     258.6     mg/Kg     103     90 - 110       Lab Sample ID: LCSD 880-98373/3-A     Client Sample ID: Lab Control Sa       Matrix: Solid     Prep Type       Analysis Batch: 98377     Prep Type		
Lab Sample ID: LCSD 880-98373/3-AClient Sample ID: Lab Control SaMatrix: SolidPrep TypAnalysis Batch: 98377Prep Typ		
Matrix: Solid     Prep Typ       Analysis Batch: 98377     Prep Typ		
Analysis Batch: 98377	ampl	le Dup
Analysis Batch: 98377	e: So	oluble
Spike LCSD LCSD %Rec		RPD
Analyte Added Result Qualifier Unit D %Rec Limits I	RPD	Limit

Eurofins Carlsbad

0

20

Chloride

250

257.5

mg/Kg

103

90 - 110

# **QC Association Summary**

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

5 6

### **GC VOA**

#### Analysis Batch: 98345

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
890-7494-1	SW02	Total/NA	Solid	8021B	98429
890-7494-2	SW06	Total/NA	Solid	8021B	98429
890-7494-3	SW07	Total/NA	Solid	8021B	98429
MB 880-98429/5-A	Method Blank	Total/NA	Solid	8021B	98429
LCS 880-98429/1-A	Lab Control Sample	Total/NA	Solid	8021B	98429
LCSD 880-98429/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	98429
890-7494-1 MS	SW02	Total/NA	Solid	8021B	98429
890-7494-1 MSD	SW02	Total/NA	Solid	8021B	98429

#### Prep Batch: 98429

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7494-1	SW02	Total/NA	Solid	5035	
890-7494-2	SW06	Total/NA	Solid	5035	
890-7494-3	SW07	Total/NA	Solid	5035	
MB 880-98429/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-98429/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-98429/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-7494-1 MS	SW02	Total/NA	Solid	5035	
890-7494-1 MSD	SW02	Total/NA	Solid	5035	

890-7494-1SW02Total/NASolidTotal BTEX	
890-7494-2 SW06 Total/NA Solid Total BTEX	
890-7494-3 SW07 Total/NA Solid Total BTEX	

### GC Semi VOA

#### Prep Batch: 98404

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7494-1	SW02	Total/NA	Solid	8015NM Prep	
890-7494-2	SW06	Total/NA	Solid	8015NM Prep	
890-7494-3	SW07	Total/NA	Solid	8015NM Prep	
MB 880-98404/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-98404/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-98404/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

#### Analysis Batch: 98430

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7494-1	SW02	Total/NA	Solid	8015B NM	98404
890-7494-2	SW06	Total/NA	Solid	8015B NM	98404
890-7494-3	SW07	Total/NA	Solid	8015B NM	98404
MB 880-98404/1-A	Method Blank	Total/NA	Solid	8015B NM	98404
LCS 880-98404/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	98404
LCSD 880-98404/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	98404

#### Analysis Batch: 98527

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
890-7494-1	SW02	Total/NA	Solid	8015 NM	
890-7494-2	SW06	Total/NA	Solid	8015 NM	
890-7494-3	SW07	Total/NA	Solid	8015 NM	

# **QC** Association Summary

Client: CDH Consulting Project/Site: Jackson B #029Y Job ID: 890-7494-1

Page 203 of 277

# HPLC/IC

### Leach Batch: 98373

each Batch: 98373					
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7494-1	SW02	Soluble	Solid	DI Leach	
390-7494-2	SW06	Soluble	Solid	DI Leach	
390-7494-3	SW07	Soluble	Solid	DI Leach	
MB 880-98373/1-A	Method Blank	Soluble	Solid	DI Leach	
_CS 880-98373/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
CSD 880-98373/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

#### Analysis Batch: 98377

b Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
0-7494-1	SW02	Soluble	Solid	300.0	98373
0-7494-2	SW06	Soluble	Solid	300.0	98373
0-7494-3	SW07	Soluble	Solid	300.0	98373
3 880-98373/1-A	Method Blank	Soluble	Solid	300.0	98373
S 880-98373/2-A	Lab Control Sample	Soluble	Solid	300.0	98373
SD 880-98373/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	98373

Job ID: 890-7494-1

Matrix: Solid

Matrix: Solid

Matrix: Solid

Lab Sample ID: 890-7494-1

Lab Sample ID: 890-7494-2

Lab Sample ID: 890-7494-3

# Project/Site: Jackson B #029Y

**Client: CDH Consulting** 

#### Client Sample ID: SW02 Date Collected: 12/19/24 08:57 Date Received: 12/19/24 13:30

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5035			98429	MNR	EET MID	12/20/24 08:21
Total/NA	Analysis	8021B		1	98345	MNR	EET MID	12/20/24 11:23
Total/NA	Analysis	Total BTEX		1	98503	SM	EET MID	12/20/24 11:23
Total/NA	Analysis	8015 NM		1	98527	SM	EET MID	12/20/24 13:36
Total/NA	Prep	8015NM Prep			98404	EL	EET MID	12/19/24 21:32
Total/NA	Analysis	8015B NM		1	98430	ткс	EET MID	12/20/24 13:36
Soluble	Leach	DI Leach			98373	SMC	EET MID	12/19/24 18:22
Soluble	Analysis	300.0		1	98377	СН	EET MID	12/20/24 10:45

# Client Sample ID: SW06

# Date Collected: 12/19/24 10:55

Date	Received:	12/19/24	13:30

	Batch	Batch		Dilution	Batch			Prepared
Ргер Туре	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5035			98429	MNR	EET MID	12/20/24 08:21
Total/NA	Analysis	8021B		1	98345	MNR	EET MID	12/20/24 11:44
Total/NA	Analysis	Total BTEX		1	98503	SM	EET MID	12/20/24 11:44
Total/NA	Analysis	8015 NM		1	98527	SM	EET MID	12/20/24 13:52
Total/NA	Prep	8015NM Prep			98404	EL	EET MID	12/19/24 21:32
Total/NA	Analysis	8015B NM		1	98430	ТКС	EET MID	12/20/24 13:52
Soluble	Leach	DI Leach			98373	SMC	EET MID	12/19/24 18:22
Soluble	Analysis	300.0		1	98377	СН	EET MID	12/20/24 10:52

#### Client Sample ID: SW07 Date Collected: 12/19/24 11:35

#### Date Received: 12/19/24 13:30

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5035			98429	MNR	EET MID	12/20/24 08:21
Total/NA	Analysis	8021B		1	98345	MNR	EET MID	12/20/24 12:04
Total/NA	Analysis	Total BTEX		1	98503	SM	EET MID	12/20/24 12:04
Total/NA	Analysis	8015 NM		1	98527	SM	EET MID	12/20/24 14:07
Total/NA	Prep	8015NM Prep			98404	EL	EET MID	12/19/24 21:32
Total/NA	Analysis	8015B NM		1	98430	ТКС	EET MID	12/20/24 14:07
Soluble	Leach	DI Leach			98373	SMC	EET MID	12/19/24 18:22
Soluble	Analysis	300.0		1	98377	СН	EET MID	12/20/24 10:59

#### Laboratory References:

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

Eurofins Carlsbad

Accreditation/Certification Summary

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

#### Laboratory: Eurofins Midland

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

Authority	Progran	n	Identification Number	Expiration Date
Texas	NELAP		T104704400	06-30-25
for which the agency of	loes not offer certification.	-	ied by the governing authority. This lis	t may include analytes
• ,	•	the laboratory is not certif <u>Matrix</u> Solid	ied by the governing authority. This lis Analyte Total TPH	t may include analytes

Job ID: 890-7494-1

Page 205 of 277

10

### **Method Summary**

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

Method

8021B

Total BTEX 8015 NM

8015B NM

8015NM Prep

Protocol References:

Laboratory References:

300.0

5035

DI Leach

Job ID: 890-7494-1

od	Method Description	Protocol	Laboratory
3	Volatile Organic Compounds (GC)	SW846	EET MID
BTEX	Total BTEX Calculation	TAL SOP	EET MID
NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
3 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
	Anions, Ion Chromatography	EPA	EET MID
	Closed System Purge and Trap	SW846	EET MID
M Prep	Microextraction	SW846	EET MID
ach	Deionized Water Leaching Procedure	ASTM	EET MID
otocol Refer			
	STM International		
	Environmental Protection Agency		
	Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edi	ition November 1986 And Its Undates	
	TestAmerica Laboratories, Standard Operating Procedure	nion, november 1300 And its Opdates.	
TAL 30P =	restamenca Laboratories, Stanuard Operating Procedure		
aboratory Re	farances		
	Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440		

Page 206 of 277

# Sample Summary

Client: CDH Consulting Project/Site: Jackson B #029Y Page 207 of 277

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-7494-1	SW02	Solid	12/19/24 08:57	12/19/24 13:30	0-4
890-7494-2	SW06	Solid	12/19/24 10:55	12/19/24 13:30	0-4
890-7494-3	SW07	Solid	12/19/24 11:35	12/19/24 13:30	0-4

Billing reading     Program: UstriesT     Program: Ustries	AMALYSIS REal A よ ち た Address: A よ ち Address: Email: Privu/L Ver 色 し んいぶ リ 子 い Email: Privu/L Ver 色 し んいぶ リ 子 い Turn Around Free Code A んいぶ リ 子 い Email: Privu/L Ver 色 し んいぶ リ 子 い Turn Around Free Code A んいぶ リ 子 い Email: Privu/L Ver 色 し んいぶ リ 子 い Particitie (1): Ture of the code A curs of the lab, if received by 4:30pm Wet lbes: 24 År Tart starts the day received by 4:30pm Wet lbes: 24 År Trine Each Code A curs of the lab, if received by 4:30pm Wet lbes: 24 År Trine Each Code A curs of the lab, if received by 4:30pm Wet lbes: 24 År Trine Each Code A curs of the lab, if received by 4:30pm Wet lbes: 0.5 Trine Each ar received by 4:30pm Wet lbes: 0.5 Trine Each ar received by 4:30pm Wet lbes: 0.5 Trine Each ar received by 4:30pm Wet lbes: 1 A 135 A 2 B a B e Cd Cr Co Cur Fe Ph I M M A Price Ph I M M A	In:     In:
St     Address:       St     Address:       City. State ZIP:       City. State ZIP:       Turn Around	A S A datress: A S A datress: Email: mu/Lltr	IP:     IP:     IP:       IP:     IP:
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	City, State 2IP.     City, State 2IP.       Email:     mu/i/(wr/ conditioned)       Turn Around     Deliverables:     EDD     ADaPT     Other:       Turn Around     Preservative ( Preservative ( Preservati	IP:       Reporting: Level III [_ Devil III [_ Devil III [_ Devil III [_ Devil III ]_ Devil III [_ Devil III ]_ TRRP [_ Devil III ]_ D
Email:     mu/:u/txr     @ cd.h. Cunsu/H. Clin     Deliverables: EDD     ADPT     Other:       Turn Around     Turn Around     Parse     Anal YSIS REQUEST     Preservative       Turn Around     Parse     Anal YSIS REQUEST     None: NO       Earls idig recolved by     Parse     Anal YSIS REQUEST     Preservative       Inter preservative     Preservative     Preservative     Preservative	Email:         Invi/u(kr         Red         LUm         Deliverables:         ED         ADBPT         Other:           Turn Around         Turn Around         Turn Around         Analytists ReQUEST         Preservati         Preservati         Preservati           Trum Around         Email:         Frame         Mone: NO         One: NO         Deliverables: ED         Analytists ReQUEST         Preservati           Trif stars the day received by Wet less:         Frame         Mone: NO         Cool: Cool         HCL: HC         HCL: HC           Wet less:         Fraeding:         O.S.         Analytists ReQUEST         Nome: NO         Nome: NO           Wet less:         Fraeding:         O.S.         Analytists ReQUEST         Nome: NO         Nome: NO           Wet less:         Fraeding:         O.S.         Analytists ReQUEST         Nome: NO         Nome: NO           Prover less:         Mone: NO         Sampled	Preservative     Deliverables:     EDD     ADBPT     Other:       Preservative     Preservative     Preservative     Preservative     Preservative       Preservative     Preservative     Preservative     Preservative     Preservative       Preservative     Preservative     Preservative     Preservative     Preservative       Preservative     Preservative     Preservative     Preservative       Preservative     Preservative     Preservative     Preservative       Preservative     Preservative     Preservative     Preservative       Preservative     Preservative     Preservative     Preservative       Preservative     Preservative     Preservative     Preservative       Preservative     Preservative     Preservative     Preservative       Preservative     Preservative     Preservative     Preservative       Preservative     Preservative     Preservative     Preservative       Preservative     Preservative     Preservative     Preservative       Preservative     Preservative     Preservative     Preservative       Preservative     Preservative     Preservative     Preservative       Preservative     Preservative     Preservative     Preservative       Preservative     Preservative
Turn Around     AMALYSIS REQUEST       Arise     Preservatili       Pate:     24 År       Pate:     25 År       Pate:     26 År       Pate:     27 År       Pate:     28 mple Gr       Sample Gr     28 mple Gr	Turn Around Incurring Rausin     Turn Around Preservatin Preservatin     ANALYSIS REQUEST     Preservatin       Due Date:     24 hr     Preservatin     Nome: NO       Due Date:     24 hr     Nome: NO     Cool: Cool       TAT starts the day received by the lab, freesined by 4:30m     Nome: NO     Cool: Cool       Wet Les::     (Ga) NO     Nome: NO     Cool: Cool       Presentatin:     0.6     X     Na       Presentatin:     0.6     X     Na       Presentatin:     0.6     X     Na       Sampled     Deptition     Cont     X     X       UD555     V     V     X     Sampled       N357     V     V     X     Sampled       N135     V     V     X     Sampled       CRX 13PPM Texes 11 AI Sb As Ba Be Cd Cd Cd Cu Cu Pb Mn Mo Ni K Se Ag SiO, Na Sr TI Sn U     Yrdt Start Jat Alt Out	Preservati         ANALYSIS REQUEST         Preservati           Preservati         None: NO         Cool: Cool           None: NO         Cool: Cool         HCL: HC           None: NO         Cool: Cool         HCL: HC           Nas: Soo: NasOs         NasSoo: NasOs         NasOs           Nas: Soo: NasOs         Cool: Cool         HCL: HC           Nas: Soo: NasOs         NasSoo: NasOs         NasOH: Assocribic           Nas: Soo: NasOs         Cool: Cool         NasOH: Assocribic           Nas: Soo: NasOs         Cool: Cool         NasOH: Assocribic           Nas: Soo: NasOs         Cool: Cool         NasOH: Assocribic           Naso: NasOs         Cool: Cool         NasOH: Assocribic           Naso: NasOs         Cool: Cool         NasOH: Assocribic           Naso: NasOs         Cool: Cool         NasOs           Naso: Naso         NasOs         Sample Co           Naso: Naso         Nasos         Nasos           Nasos         Nasos
utile 英和ahi · Dea. Dea. Dea. Dea. Dea. Dea. Dea. Dea.	□ Routine 気化は・ 2010 Date: 24 År Due Date: 24 År Due Date: 24 År Parameter edyracewer by the lab, freewer by 4:30m Wet tes: (((a) No the lab, freewer by 4:30m No the lab, freewer by 4:30m No No No No No No No No No No	Press.       None: NO         Press.       No
The sty hereined by statement to the state	Due Date:     14 hr       Txt stars the day received by the lab. freested by 4:30m     FOC: Cod       Wet Los:     (Ga) No       Prilo:     Txt stars the day received by the lab. freested by 4:30m       Wet Los:     (Ga) No       Prilo:     Txt stars the day received by the lab. freested by 4:30m       Wet Los:     (Ga) No       Prilo:     Txt stars the day received by the lab. freested by 4:30m       Prilo:     Txt cocr       Pascilling:     0.5       Sampled     Do-tyt       Comp Carlo     Carlo       Construct     0.4       No     No       Sampled     Do-tyt       Construct     No       Const	By Minimeters       Cooi: Cool HCL: HC         Harbour       Harbour         Minimeters       Harbou
tarts the day received by $L_{1}$ freeword by 4:30m b. freeword by 4:30m les: $\sqrt{63}$ No les: $\sqrt{63}$ No	TAT starts the day received by the lia). if received by wet tes:     TAT starts the day received by wet tes:     Parameters       Wet tes:     (Ga) NO     NO       wet tes:     (Ga) NO       artic:     -0.2       actor:     -0.2       actor:     -0.2       actor:     -0.4       actor:     -0.4       Sampled     Depth       comp     cont       Cont     2       Time     Tot       Sampled     Depth       Cont     2       Time     Cont       Sampled     Depth       Cont     2       Time     1135       V     X       V     X       1135     V       V     X       V     X       V     X       V     V       V     X       V     X       V     X       V     X       V     X       V     X       V     X       V     X       V     X       V     X       V     X       V     X       V     X       V     X       V<	Parameters
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Wettes: (() Not test: () Not	Parameter Parameter mp Cont & F.X.X.X.X.X.X.X.X.X.X.X.X.X.X.X.X.X.X.X
$\begin{array}{c cccc} \hline $	This:       Mr.cor.1       Reading:       0.5       Reading:       0.6       Reading:       <	Parati Parati
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	actor: -0.2 革 Reading: 6.5 Immerature: 0.5 Immerature: 0.5 Immerature	abili # or       abili # or         abili # or       box         abili# or <td< td=""></td<>
$\begin{array}{c c} 0.5 \\ \hline 0.6 \\$	Reading:     0.5       Imperature:     0.6       Imperature:     0.6       Sampled     Depth       Comp     Comp       Comp     Comp       Comp     Comp       08 57     0'-4'       09 58     0'-4'       09 58     0'-4'       09 50     0'-4'       09 50     0'-4'       00 50     0'-4'       00 50     0'-4'       01 10     0'-4'       02 50     0'-4'       03 50     0'-4'       04 50     0'-4'       05 50 <td>Implement       Implement       Implement</td>	Implement
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	Time     O.G       Time     Image: Comp Cont       Sampled     Depth       Sampled     Depth       Sampled     Depth       Sampled     Depth       Comp     Cont       O8 57     D'-4'       U055     U       U     X       N     X       U135     U       U     X       N     N       N     N       N     N       N     N       N     N       N     N       N     N       N     N       N     N       N     N       N	abil # or       Abil # or       Abil # or       Abil # or         mp Cont       Cont       Cont       Cont       Cont         mp Cont       X       X       X       Cont         mp Cont       X       X       X       Cont       Cont         mp Cont       X       X       X       Cont
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Time     Grab/     # of     Active       Sampled     Depth     comp     Cont     Cont       OS 57     D'-4''     Cont     Cont     Cont       OS 57     D'-4''     Conp     N     X       UO 55     L     L     X     X       UI 35     L     L     X     X       UI 35     L     L     X     X       Construction     L     X     X       UI 35     L     L     X       Construction     L     X     X       Construction     L     X     X       Construction     L     X     X       Construction     Research     R     R       Construction     Research     Construction     R       Construction     R     R     R       R     R     R     R       R     R     R     R       R     R     R     R       R     R     R     R       R     R     R     R       R     R     R     R       R     R     R     R       R     R     R     R       R     R     R<	abil # of       Imp Contt
0-41 Carp 1 X X X X X V V V X X V V V X V V V	0857 0'-4' Cerp 1 X X X 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2	1       X       X       X         X       X       X       X         X       <
	V     X     X       V     X     X       V     X     X       V     X     X       V     X     X       V     X     X       V     X     X       V     X     X       V     X     X       V     X     X       V     X     X       V     X     X       V     X     X       V     X     X       V     X     X       V     X     X       V     X     X       Y     X     X       X     X     X       X     X     X       X     X     X       X     X     X       X     X     X       X     X     X       X     X     X       X     X     X       X     X     X       X     X     X       X     X     X       X     X     X       X     X     X       X     X     X       X     X     X       X     X       X <td>V       X       X         X       X       X         X       X       X         X       X       X         X       X       X         X       X       X         X       X       X</td>	V       X       X         X       X       X         X       X       X         X       X       X         X       X       X         X       X       X         X       X       X
	11 AI SD AS BA BA Cd Cr Co Cu Pb Mn Mo Ni SA AO TI U Hor 1631/245.1/2470/7470	11     AI     AI     AI     AI     AI       11     AI     Sb     Ag     AI     AI     AI       11     AI     Sb     Ag     AI     Ag     AI     AI       11     AI     Sb     Ag     AG     AI     Ag     AI     AI       11     AI     Sb     Ag     AG     AG     AI     AG     AI     AI
	11 AI SD AS BA BA Cd Cr Co Cu Pb Mn Mo Ni SA AO TI U Hor 1631/245.1/2470/747	Image: Contract of the contra
	11 AI SD AS BA BA Cd Cr Co Cu Pb Mn Mo Ni SA AO TI U Hor 1631/245.1/2470/144	Image: Contract of the state of the stat
	11 AI SD As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ao Ti U Ho: 1631/245.1/2470/747	Image: Second
	11 AI SD AS Ba Be Cd Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO <sub>2</sub> Na Sr TI Sn U V BRCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag TI U Hg: 1631/245.1/7470/747	11 AI Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO <sub>2</sub> Na Sr TI Sn U V BRCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag TI U Hg: 1631/245.1/7470.1747 from client company to Eurofina Xenco, its affiliates and subcontractors. It assigns standard terms and conditions are harments submitted to Eurofina Xenco. but not analyzed. These serve will be enforced unless are revolute the conditions
	11 AI Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ao Ti U Ho: 1631/245.1/7470 /747	11 AI Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO <sub>2</sub> Na Sr TI Sn U V BRCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag TI U Hg: 1631 / 245.1 / 7470 / 747 from client company to Eurofins Xenco, its atfiliates and subcontractors. It assigns standard terms and conditions and harmed submitted to Eurofins Aenco but not analyzed. These terms are different and submitted to Eurofins Aenco but not analyzed.
	11 AISD As Ba Be Cd Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO <sub>2</sub> Na Sr TI Sn U V BRCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag TI U Hg: 1631/245.1/7470/747	11 AI SD AS Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO <sub>2</sub> Na Sr TI Sn U V BRCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag TI U Hg: 1631 / 245.1 / 7470 / 747 from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions asch submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously neoodiated.
e order from client company to Euroffine Xenco, its affiliates and subcontractors. It assigns standard forms and conditions responsibility for any losses or expenses incurred by the client if such losses are due to clicrumstances beyond the control of \$5 for each sample submitted to Euroffine Xenco, but not analyzed. These terms will be enforced unless previously negotisted. Date/Time Relinquished by: (Signature) Received by: (Signature) Received by: (Signature)	Date/Time Relinquished by: (Signature) Received by: (Signature)	
from client company to Eurofine Xenco, its affiliates and subcontractore. It assigns standard terms and conditions from client company to Eurofine Xenco, its affiliates and subcontractore. It assigns standard terms and conditions ability for any losses or exponses incurred by the client if such losses are due to clicumstances beyond the control each sample submitted to Eurofine Xenco, but not analyzed. These terms will be enforced unless previously negotited. Date/Time Relinquished by: (Signature) Received by: (Signature) $1/3$ : $3O$ $12/16^2$	Date/Time Relinquished by: (Signature) Received by: (Signature) 13: アン 12/ル2	13:30 12/11/2

Job Number: 890-7494-1

List Source: Eurofins Carlsbad

# Login Sample Receipt Checklist

Client: CDH Consulting

## Login Number: 7494 List Number: 1

Creator: Lopez, Abra	aham
----------------------	------

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

## Login Sample Receipt Checklist

				1
Login Sample Recei	pt Checklis	it		2
Client: CDH Consulting			Job Number: 890-7494-1	3
Login Number: 7494 List Number: 2 Creator: Laing, Edmundo			List Source: Eurofins Midland List Creation: 12/19/24 09:21 PM	4 5
Question	Answer	Comment		6
The cooler's custody seal, if present, is intact.				
Sample custody seals, if present, are intact.				
The cooler or samples do not appear to have been compromised or tampered with.				8
Samples were received on ice.				
Cooler Temperature is acceptable.				9
Cooler Temperature is recorded.				10
COC is present				
COC is filled out in ink and legible.				11
COC is filled out with all pertinent information				
Is the Field Sampler's name present on COC?				12
There are no discrepancies between the containers received and the COC.				
Samples are received within Holding Time (excluding tests with immediate HTs)				13
Sample containers have legible labels.				14
Containers are not broken or leaking.				
Sample collection date/times are provided.				
Appropriate sample containers are used.				
Sample bottles are completely filled.				
Sample Preservation Verified.				
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs				
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").				



**Environment Testing** 

### Page 211 of 277

# ANALYTICAL REPORT

# PREPARED FOR

Attn: Michael Wicker CDH Consulting 9446 Clermont St, Thornton, Colorado 80229 Generated 1/7/2025 7:58:18 PM

# JOB DESCRIPTION

JACKSON B #0294 Loco Hills, NM

# **JOB NUMBER**

890-7543-1

Eurofins Carlsbad 1089 N Canal St. Carlsbad NM 88220

See page two for job notes and contact information

# **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

L

Generated 1/7/2025 7:58:18 PM

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

Eurofins Carlsbad is a laboratory within Eurofins Environment Testing South Central, LLC, a company within Eurofins Environment Testing Group of Companies

Laboratory Job ID: 890-7543-1 SDG: Loco Hills, NM

# **Table of Contents**

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Client Sample Results	6
Surrogate Summary	7
QC Sample Results	8
QC Association Summary	11
Lab Chronicle	13
Certification Summary	14
Method Summary	15
Sample Summary	16
Chain of Custody	17
Receipt Checklists	19

2

# **Definitions/Glossary**

Client: CDH Consulting
Project/Site: JACKSON B #0294

Job ID: 890-7543-1

SDG: Loco Hills, NM

· · · <b>,</b> - · · · · · · · · ·		
Qualifiers		3
GC VOA Qualifier	Qualifier Description	4
U	Indicates the analyte was analyzed for but not detected.	
GC Semi VOA		5
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.	8
Glossary		0
Abbreviation	These commonly used abbreviations may or may not be present in this report.	3
<del></del>	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	4.2
DL	Detection Limit (DoD/DOE)	13
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)	

Most Probable Number

Not Calculated

Negative / Absent

Positive / Present Practical Quantitation Limit

Presumptive

Quality Control

Relative Error Ratio (Radiochemistry)

Toxicity Equivalent Factor (Dioxin)

Too Numerous To Count

Toxicity Equivalent Quotient (Dioxin)

Reporting Limit or Requested Limit (Radiochemistry)

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

Method Quantitation Limit

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

MPN

MQL

NC ND

NEG

POS

PQL

PRES QC

RER

RL RPD

TEF

TEQ

TNTC

# **Case Narrative**

Job ID: 890-7543-1

#### Client: CDH Consulting Project: JACKSON B #0294

# **Eurofins Carlsbad**

Job ID: 890-7543-1

#### Job Narrative 890-7543-1

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

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

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

#### Receipt

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

#### GC VOA

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

#### **Diesel Range Organics**

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

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

#### HPLC/IC

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

Job ID: 890-7543-1 SDG: Loco Hills, NM

Matrix: Solid

# Client Sample ID: SW02

Project/Site: JACKSON B #0294

Date Collected: 01/03/25 09:05 Date Received: 01/06/25 16:20

Sample Depth: 0-4

**Client: CDH Consulting** 

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		01/07/25 08:40	01/07/25 16:14	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		01/07/25 08:40	01/07/25 16:14	1
Toluene	<0.00201	U	0.00201		mg/Kg		01/07/25 08:40	01/07/25 16:14	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		01/07/25 08:40	01/07/25 16:14	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		01/07/25 08:40	01/07/25 16:14	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		01/07/25 08:40	01/07/25 16:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130				01/07/25 08:40	01/07/25 16:14	1
1,4-Difluorobenzene (Surr)	105		70 - 130				01/07/25 08:40	01/07/25 16:14	1
Method: TAL SOP Total BTEX - 1	Total BTEX Calo	ulation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			01/07/25 16:14	1
Method: SW846 8015 NM - Diese Analyte		ics (DRO) ( Qualifier	GC) RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			01/07/25 19:31	1
Method: SW846 8015B NM - Dies	sel Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics					mg/Kg		04/07/05 40.54		DIFAC
6 6	<50.2	U	50.2		ilig/itg		01/07/25 10:51	01/07/25 19:31	1
(GRO)-C6-C10 Diesel Range Organics (Over	<50.2 <50.2		50.2 50.2		mg/Kg		01/07/25 10:51	01/07/25 19:31	
(GRO)-C6-C10 Diesel Range Organics (Over C10-C28)		U							1
(GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36)	<50.2	U U	50.2		mg/Kg		01/07/25 10:51	01/07/25 19:31	1
(GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) <b>Surrogate</b>	<50.2 <50.2	U U	50.2 50.2		mg/Kg		01/07/25 10:51 01/07/25 10:51	01/07/25 19:31 01/07/25 19:31	1
(GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) <b>Surrogate</b> 1-Chlorooctane	<50.2 <50.2 <b>%Recovery</b>	U U	50.2 50.2 <i>Limits</i>		mg/Kg		01/07/25 10:51 01/07/25 10:51 <b>Prepared</b>	01/07/25 19:31 01/07/25 19:31 <b>Analyzed</b>	1
(GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	<50.2 <50.2 	U U Qualifier	50.2 50.2 <u>Limits</u> 70 - 130 70 - 130		mg/Kg		01/07/25 10:51 01/07/25 10:51 <b>Prepared</b> 01/07/25 10:51	01/07/25 19:31 01/07/25 19:31 <u>Analyzed</u> 01/07/25 19:31	1
Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl Method: EPA 300.0 - Anions, Ion Analyte	<50.2 <50.2 	U U Qualifier	50.2 50.2 <u>Limits</u> 70 - 130 70 - 130	MDL	mg/Kg	D	01/07/25 10:51 01/07/25 10:51 <b>Prepared</b> 01/07/25 10:51	01/07/25 19:31 01/07/25 19:31 <u>Analyzed</u> 01/07/25 19:31	1
Job ID: 890-7543-1 SDG: Loco Hills, NM

Prep Type: Total/NA

Prep Type: Total/NA

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

Matrix: Solid
---------------

				Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)		
890-7543-1 LCS 880-99630/1-A	SW02 Lab Control Sample	114 113	105 102		
LCSD 880-99630/2-A MB 880-99630/5-A	Lab Control Sample Dup Method Blank	115 109	102 102		
Surrogate Legend BFB = 4-Bromofluorobe	nzene (Surr)				
DFBZ = 1,4-Difluoroben					

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

				Percent Surrogate Recovery (Acceptance Limits)
		1CO1	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
890-7543-1	SW02	71	77	
890-7543-1 MS	SW02	79	75	
890-7543-1 MSD	SW02	80	76	
LCS 880-99667/2-A	Lab Control Sample	136 S1+	128	
LCSD 880-99667/3-A	Lab Control Sample Dup	137 S1+	130	
MB 880-99667/1-A	Method Blank	107	110	

#### Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

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

Lab Sample ID: MB 880-99630/5-A Matrix: Solid Analysis Batch: 99626							Client Sa	mple ID: Metho Prep Type: 1 Prep Batch	otal/NA
·	МВ	МВ							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/07/25 08:40	01/07/25 11:14	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/07/25 08:40	01/07/25 11:14	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/07/25 08:40	01/07/25 11:14	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/07/25 08:40	01/07/25 11:14	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/07/25 08:40	01/07/25 11:14	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/07/25 08:40	01/07/25 11:14	1
	МВ	МВ							
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130				01/07/25 08:40	01/07/25 11:14	1
1,4-Difluorobenzene (Surr)	102		70 - 130				01/07/25 08:40	01/07/25 11:14	1
Lab Sample ID: LCS 880-99630/1-A						C	lient Sample I	D: Lab Control	Sample

## Matrix: Solid

#### Analysis Batch: 99626

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

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

#### Lab Sample ID: LCSD 880-99630/2-A

### Matrix: Solid

Analysis Batch: 99626							Prep	Batch:	99630
	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.1101		mg/Kg		110	70 - 130	6	35
Ethylbenzene	0.100	0.1077		mg/Kg		108	70 - 130	5	35
Toluene	0.100	0.1083		mg/Kg		108	70 - 130	6	35
m-Xylene & p-Xylene	0.200	0.2194		mg/Kg		110	70 - 130	5	35
o-Xylene	0.100	0.1129		mg/Kg		113	70 - 130	5	35

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

5

7

Prep Type: Total/NA

Prep Type: Total/NA

Client Sample ID: Lab Control Sample Dup

Prep Batch: 99630

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

Matrix' Solid	-A									Cheft S	ample ID:	метпоа Туре: То	
Matrix: Solid Analysis Batch: 99655												Batch:	
Analysis Baten. 55666		мв	мв								1100	baten.	5500
Analyte	Re	esult	Qualifier	RL		MDL	Unit		D	Prepared	Analyz	zed	Dil Fa
Gasoline Range Organics	<	50.0	U	50.0			mg/Kg		01	/07/25 10:51	01/07/25	18:47	
GRO)-C6-C10													
Diesel Range Organics (Over	<	50.0	U	50.0			mg/Kg		01	/07/25 10:51	01/07/25	18:47	
C10-C28) Oil Range Organics (Over C28-C36)		50.0		50.0			malka		01	/07/25 10:51	01/07/25	10.17	
Dir Kange Organics (Over C20-C30)		50.0	0	50.0			mg/Kg		01	/07/25 10.51	01/07/25	10.47	
		MB	МВ										
Surrogate	%Reco	very	Qualifier	Limits						Prepared	Analyz	zed	Dil Fa
1-Chlorooctane		107		70 - 130					01	/07/25 10:51	01/07/25	18:47	
p-Terphenyl		110		70 - 130					01	/07/25 10:51	01/07/25	18:47	
ab 0.0001	•								0				
_ab Sample ID: LCS 880-99667/ Matrix: Solid	<b>2-</b> A								CIIE	n sample	ID: Lab C		
Analysis Batch: 99655												Type: To b Batch:	
Analysis Datch. 55055				Spike	LCS	LCS					%Rec	Datch.	3300
Analyte				Added	Result		lifier	Unit	C	%Rec	Limits		
Gasoline Range Organics				1000	1154			mg/Kg		115	70 - 130		
GRO)-C6-C10													
Diesel Range Organics (Over				1000	1224			mg/Kg		122	70 - 130		
C10-C28)													
	LCS	LCS											
Surrogate	%Recovery	Qual	ifior	1									
			mer	Limits									
	136			70 - 130									
-Chlorooctane													
-Chlorooctane -Terphenyl	136 128			70 - 130									
-Chlorooctane -Terphenyl .ab Sample ID: LCSD 880-9966	136 128		<u></u>	70 - 130				Cli	ent Sa	mple ID: I	_ab Contro		
-Chlorooctane -Terphenyl Lab Sample ID: LCSD 880-9966 Matrix: Solid	136 128			70 - 130				Cli	ent Sa	mple ID: I	Prep <sup>-</sup>	Type: To	otal/N
I-Chlorooctane -Terphenyl Lab Sample ID: LCSD 880-9966 Matrix: Solid	136 128			70 - 130 70 - 130				Cli	ent Sa	mple ID: I	Prep <sup>-</sup> Prep		otal/N. 9966
-Chlorooctane -Terphenyl Lab Sample ID: LCSD 880-9966 Matrix: Solid Analysis Batch: 99655	136 128			70 - 130 70 - 130 Spike	LCSD						Prep <sup>-</sup> Prep %Rec	Type: To b Batch:	otal/N 9966 RP
I-Chlorooctane b-Terphenyl Lab Sample ID: LCSD 880-9966 Matrix: Solid Analysis Batch: 99655	136 128			70 - 130 70 - 130 Spike Added	Result			Unit	ent Sa	%Rec	Prep Prep %Rec Limits	Type: To b Batch: 	otal/N 9966 RP Lim
I-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-9966 Matrix: Solid Analysis Batch: 99655 Analyte Gasoline Range Organics	136 128			70 - 130 70 - 130 Spike							Prep <sup>-</sup> Prep %Rec	Type: To b Batch:	otal/N. 9966 RP Lim
I-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-9966 Matrix: Solid Analysis Batch: 99655 Analyte Gasoline Range Organics GRO)-C6-C10	136 128			70 - 130 70 - 130 Spike Added	Result			Unit mg/Kg		%Rec	Prep Prep %Rec Limits	Type: To b Batch: 	<b>9966</b> <b>RP</b> <u>Lim</u> 2
I-Chlorooctane b-Terphenyl Lab Sample ID: LCSD 880-9966 Matrix: Solid Analysis Batch: 99655 Analyte Gasoline Range Organics GRO)-C6-C10 Diesel Range Organics (Over	136 128			70 - 130 70 - 130 Spike Added 1000	Result 1174			Unit		<b>%Rec</b>	Prep Prep %Rec Limits 70 - 130	Type: To b Batch: RPD 2	<b>9966</b> <b>RP</b> <u>Lim</u> 2
I-Chlorooctane b-Terphenyl Lab Sample ID: LCSD 880-9966 Matrix: Solid Analysis Batch: 99655 Analyte Gasoline Range Organics GRO)-C6-C10 Diesel Range Organics (Over	136 128 7/3-A	<u>S1+</u>		70 - 130 70 - 130 Spike Added 1000	Result 1174			Unit mg/Kg		<b>%Rec</b>	Prep Prep %Rec Limits 70 - 130	Type: To b Batch: RPD 2	<b>9966</b> <b>RP</b> <u>Lim</u> 2
I-Chlorooctane Terphenyl Lab Sample ID: LCSD 880-9966 Matrix: Solid Analysis Batch: 99655 Analyte Basoline Range Organics GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	136 128 7/3-A	S1+		70 - 130 70 - 130 Spike Added 1000	Result 1174			Unit mg/Kg		<b>%Rec</b>	Prep Prep %Rec Limits 70 - 130	Type: To b Batch: RPD 2	<b>9966</b> <b>RP</b> <u>Lim</u> 2
I-Chlorooctane D-Terphenyl Lab Sample ID: LCSD 880-9966 Matrix: Solid Analysis Batch: 99655 Analyte Gasoline Range Organics GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate	136 128 7/3-A <i>LCSD</i> %Recovery	LCSI Quali		70 - 130 70 - 130 Spike Added 1000 1000	Result 1174			Unit mg/Kg		<b>%Rec</b>	Prep Prep %Rec Limits 70 - 130	Type: To b Batch: RPD 2	otal/N
-Chlorooctane -Terphenyl Lab Sample ID: LCSD 880-9966 Matrix: Solid Analysis Batch: 99655 Malyte Basoline Range Organics GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate -Chlorooctane	136 128 7/3-A <i>LCSD</i> %Recovery 137	LCSI Quali		70 - 130 70 - 130 Spike Added 1000 1000 Limits 70 - 130	Result 1174			Unit mg/Kg		<b>%Rec</b>	Prep Prep %Rec Limits 70 - 130	Type: To b Batch: RPD 2	<b>9966</b> <b>RP</b> <u>Lim</u> 2
-Chlorooctane -Terphenyl Lab Sample ID: LCSD 880-9966 Matrix: Solid Analysis Batch: 99655 Malyte Basoline Range Organics GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate -Chlorooctane	136 128 7/3-A <i>LCSD</i> %Recovery	LCSI Quali		70 - 130 70 - 130 Spike Added 1000 1000	Result 1174			Unit mg/Kg		<b>%Rec</b>	Prep Prep %Rec Limits 70 - 130	Type: To b Batch: RPD 2	<b>9966</b> <b>RP</b> <u>Lim</u> 2
-Chlorooctane -Terphenyl Lab Sample ID: LCSD 880-9966 Matrix: Solid Analysis Batch: 99655 malyte Basoline Range Organics GRO)-C6-C10 biesel Range Organics (Over Chorooctane -Chlorooctane -Terphenyl	136 128 7/3-A <i>LCSD</i> %Recovery 137	LCSI Quali		70 - 130 70 - 130 Spike Added 1000 1000 Limits 70 - 130	Result 1174			Unit mg/Kg		<b>%Rec</b>	Prep Prep %Rec Limits 70 - 130	Type: To D Batch: RPD 2 5	0141/N 9966 RP Lim 2
-Chlorooctane -Terphenyl .ab Sample ID: LCSD 880-9966 Matrix: Solid Analysis Batch: 99655 	136 128 7/3-A <i>LCSD</i> %Recovery 137	LCSI Quali		70 - 130 70 - 130 Spike Added 1000 1000 Limits 70 - 130	Result 1174			Unit mg/Kg		<b>%Rec</b>	Prep %Rec Limits 70 - 130 70 - 130	Type: To D Batch: RPD 2 5	5 tal/N. 9966 RP Lim 2 2
I-Chlorooctane D-Terphenyl Lab Sample ID: LCSD 880-9966 Matrix: Solid Analysis Batch: 99655 Analyte Gasoline Range Organics GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate I-Chlorooctane D-Terphenyl Lab Sample ID: 890-7543-1 MS Matrix: Solid	136 128 7/3-A <i>LCSD</i> %Recovery 137	LCSI Quali		70 - 130 70 - 130 Spike Added 1000 1000 Limits 70 - 130	Result 1174			Unit mg/Kg		<b>%Rec</b>	Prep %Rec Limits 70 - 130 70 - 130 70 - 130	Type: To b Batch:	s SW0
1-Chlorooctane p-Terphenyl Lab Sample ID: LCSD 880-9966 Matrix: Solid Analysis Batch: 99655 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane p-Terphenyl Lab Sample ID: 890-7543-1 MS Matrix: Solid	136 128 7/3-A <i>LCSD</i> %Recovery 137	LCSE Quali S1+	D	70 - 130 70 - 130 Spike Added 1000 1000 Limits 70 - 130	Result 1174 1280			Unit mg/Kg		<b>%Rec</b>	Prep %Rec Limits 70 - 130 70 - 130 70 - 130	Type: To Description Description Particular Type: To Type: To	9966 RP Lim 2 2 SW0 otal/N
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-9966 Matrix: Solid Analysis Batch: 99655 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 890-7543-1 MS Matrix: Solid Analysis Batch: 99655 Analyte	136 128 7/3-A <i>LCSD</i> %Recovery 137 130	LCSL Quali S1+	D ifier	70 - 130 70 - 130 <b>Spike</b> Added 1000 1000 <i>Limits</i> 70 - 130 70 - 130	Result 1174 1280	Qual	lifier	Unit mg/Kg		<b>%Rec</b> 117 128	Prep %Rec Limits 70 - 130 70 - 130 70 - 130	Type: To Description Description Particular Type: To Type: To	stal/NJ 9966 RP Lim 2 2 2 SW0 otal/NJ

Job ID: 890-7543-1

SDG: Loco Hills, NM

<50.2 U

(GRO)-C6-C10

C10-C28)

Diesel Range Organics (Over

**Client: CDH Consulting** Project/Site: JACKSON B #0294

Lab Sample ID: 890-7543-1 MS

Matrix: Solid

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

Job ID: 890-7543-1 SDG: Loco Hills, NM
Client Sample ID: SW02 Prep Type: Total/NA Prep Batch: 99667

Analysis Batch: 99655			
	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	79		70 - 130
o-Terphenyl	75		70 - 130

### Lab Sample ID: 890-7543-1 MSD Matrix: Solid

Analysis Batch: 99655									Prep	Batch:	99667
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	997	859.1		mg/Kg		86	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<50.2	U	997	866.2		mg/Kg		87	70 - 130	3	20
	MSD	MSD									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	80		70 - 130								
o-Terphenyl	76		70 - 130								

Method: 300.0 - Anions, lo	n Chromatography

Lab Sample ID: MB 880-99618/1-A Matrix: Solid Analysis Batch: 99643											Client S	ample ID: Prep	Method Type: S	
	МВ	МВ												
Analyte	Result	Qualifier		RL		MDL	Unit		D	Pr	repared	Analy	zed	Dil Fac
Chloride	<10.0	U		10.0			mg/Kg	]				01/07/25	09:34	1
Lab Sample ID: LCS 880-99618/2-A									Cli	ent	Sample	D: Lab C	ontrol S	ample
Matrix: Solid												Prep	Type: S	oluble
Analysis Batch: 99643														
			Spike		LCS	LCS						%Rec		
Analyte			Added		Result	Qual	ifier	Unit		D	%Rec	Limits		
Chloride			250		229.2			mg/Kg			92	90 - 110		
Lab Sample ID: LCSD 880-99618/3-A								CI	ient S	Sam	ple ID:	Lab Contro	ol Sampl	e Dup
Matrix: Solid												Prep	Type: S	oluble
Analysis Batch: 99643														
			Spike		LCSD	LCS	D					%Rec		RPD
Analyte			Added		Result	Qual	ifier	Unit		D	%Rec	Limits	RPD	Limit
Chloride			250		230.1			mg/Kg			92	90 - 110	0	20

Eurofins Carlsbad

## **QC** Association Summary

Client: CDH Consulting Project/Site: JACKSON B #0294 Page 221 of 277

Job ID: 890-7543-1 SDG: Loco Hills, NM

#### **GC VOA**

#### Analysis Batch: 99626

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
890-7543-1	SW02	Total/NA	Solid	8021B	9963
MB 880-99630/5-A	Method Blank	Total/NA	Solid	8021B	9963
LCS 880-99630/1-A	Lab Control Sample	Total/NA	Solid	8021B	9963
LCSD 880-99630/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	9963
rep Batch: 99630					
Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
890-7543-1	SW02	Total/NA	Solid	5035	
MB 880-99630/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-99630/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-99630/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
Analysis Batch: 99722					
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batcl
890-7543-1	SW02	Total/NA	Solid	Total BTEX	
GC Semi VOA					
Analysis Batch: 99655					
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batc
890-7543-1	SW02	Total/NA	Solid	8015B NM	9966
MB 880-99667/1-A	Method Blank	Total/NA	Solid	8015B NM	9966
LCS 880-99667/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	9966
LCSD 880-99667/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	9966
890-7543-1 MS	SW02	Total/NA	Solid	8015B NM	9966
890-7543-1 MSD	SW02	Total/NA	Solid	8015B NM	9966
- Prep Batch: 99667					
Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
890-7543-1	SW02	Total/NA	Solid	8015NM Prep	
MB 880-99667/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-99667/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-99667/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-7543-1 MS	SW02	Total/NA	Solid	8015NM Prep	
890-7543-1 MSD	SW02	Total/NA	Solid	8015NM Prep	
Analysis Batch: 99734					
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7543-1	SW02	Total/NA	Solid	8015 NM	
HPLC/IC					
each Batch: 99618					
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batcl
890-7543-1	SW02	Soluble	Solid	DI Leach	-
MB 880-99618/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-99618/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-99618/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
Analysis Batch: 99643					
- Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batc

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
890-7543-1	SW02	Soluble	Solid	300.0	99618

Eurofins Carlsbad

5 6

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

5 6 7

## **QC** Association Summary

Client: CDH Consulting Project/Site: JACKSON B #0294 Job ID: 890-7543-1 SDG: Loco Hills, NM

## HPLC/IC (Continued)

### Analysis Batch: 99643 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-99618/1-A	Method Blank	Soluble	Solid	300.0	99618
LCS 880-99618/2-A	Lab Control Sample	Soluble	Solid	300.0	99618
LCSD 880-99618/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	99618

Job ID: 890-7543-1 SDG: Loco Hills, NM

Matrix: Solid

Lab Sample ID: 890-7543-1

## Client Sample ID: SW02 Date Collected: 01/03/25 09:05

Project/Site: JACKSON B #0294

**Client: CDH Consulting** 

Date Received: 01/06/25 16:20

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5035			99630	MNR	EET MID	01/07/25 08:40
Total/NA	Analysis	8021B		1	99626	MNR	EET MID	01/07/25 16:14
Total/NA	Analysis	Total BTEX		1	99722	SM	EET MID	01/07/25 16:14
Total/NA	Analysis	8015 NM		1	99734	SM	EET MID	01/07/25 19:31
Total/NA	Prep	8015NM Prep			99667	ткс	EET MID	01/07/25 10:51
Total/NA	Analysis	8015B NM		1	99655	ткс	EET MID	01/07/25 19:31
Soluble	Leach	DI Leach			99618	SA	EET MID	01/07/25 07:55
Soluble	Analysis	300.0		1	99643	СН	EET MID	01/07/25 12:31

#### Laboratory References:

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

Eurofins Carlsbad

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

Accreditation/Certification Summary

Client: CDH Consulting Project/Site: JACKSON B #0294 Job ID: 890-7543-1 SDG: Loco Hills, NM

#### Laboratory: Eurofins Midland

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

uthority	Progra	am	Identification Number	Expiration Date
exas	NELAF	NELAP		06-30-25
The following applyte	s are included in this report, bu	t the laboratory is not certif	ied by the governing authority. This lis	may include analyte
for which the agency	does not offer certification.	-		
for which the agency Analysis Method		Matrix	Analyte	
for which the agency	does not offer certification.	-		

Eurofins Carlsbad

**Page 224 of 2**77

10

## **Method Summary**

**Client: CDH Consulting** Project/Site: JACKSON B #0294

Job ID: 890-7543-1 SDG: Loco Hills, NM

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID
Protocol Refe	prences:		
ASTM = A	STM International		
EPA = US	Environmental Protection Agency		
SW846 = '	"Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edi	tion, November 1986 And Its Updates.	
TAL SOP :	= TestAmerica Laboratories, Standard Operating Procedure		
Laboratory Re	eferences:		
EET MID =	= Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440		

#### Laboratory References:

Eurofins Carlsbad

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

## Sample Summary

Client: CDH Consulting Project/Site: JACKSON B #0294 Job ID: 890-7543-1 SDG: Loco Hills, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth	
890-7543-1	SW02	Solid	01/03/25 09:05	01/06/25 16:20	0-4	4
						5
						8
						9
						12
						13

Total 200.7/6010       200.8 / 6020:       BRCRA 13PPM Texas 14 Al 8b As Ba Re B Od Ca Cr Cn Cu Es Dh Mg Mn Mo Ni K So Ag St0 / No Sr 11 En U V En Sinck Mathrod(S) and Mistali (S) to the analyzed         Total 200.7 / 6010       200.8 / 6020:       BRCRA 13PPM Texas 14 Al 8b As Ba Re B Od Ca Cr Cn Cu Es Dh Mg Mn Mo Ni K So Ag St0 / No Sr 11 En U V En Sinck Mathrod(S) and Mistali (S) to the analyzed         Notes: Signature of this document and relinquishmant of samples and shall not assume any responsibility for any losses or supervise incurred by the client if such losses are due to circumstances byond the conditions of samples and shall not assume of the cent of samples and shall not assume of the cent of samples and shall not assume of the cent of sample and shall not estimate of the solution of sectors. It assigns standard terms and conditions of eturoting Xanco. A minimum charge of \$50.00 will be applied to seeth perject and a charge of \$5 for each sample submitted to Eurofine Xanco, but not analyzed. These terms will be anticreat unless praviously negotitated.         Relinquished by: (Signature)       Date/Time       Relinquished by: (Signature)       Date/Time         1       Cull Mr       Cull Mr       Date/Time       Relinquished by: (Signature)       Date/Time         3       0       0       0       0       0       0       0       Date/Time		+					
No 67 71 6n ( 1/245.1/7470 / ture)							
No 67 71 6n 1 1/245.1/7470 / ture)	Date/ I Inte	N.	1			the Plat	Call
Cr       Co       Cr       Cr       Cr       Co       Cr       Cr       Co       Cr       Cr <td< td=""><td></td><td>ture)</td><td>Received by: (Signature</td><td>Rece</td><td>nature)</td><td>Relinquished by: (Signature)</td><td>Relir</td></td<>		ture)	Received by: (Signature	Rece	nature)	Relinquished by: (Signature)	Relir
Cr     Co     Cr     <	Imple submitted to Eurofins Xe	harge of \$5 for each su	each project and a c	be applied to	harge of \$85.00 will	s Xenco. A minimum c	f Eurofin
	e <del>nt company to Eurofins Xenc</del> for any losses or expenses inc	me any responsibility	es and shall not assu	nt of samples cons cost of samples and	nt and railinguishme a liable only for the	Notice: Signature of this <u>document and relinquishment of s</u> of service. Eurofins Xenco will be liable only for the cost of	iotice: Si
\$	A OD AS DA DE VU			DazAik	iai(s) to be an	Concernentor(s) and metal(s) to be analyzed	
	V Sh As Ba Be B C	Texas 11	SRCRA 13PPM		200.8 / 6020-	Total 200.7 / 6010	Tota
	MANDU M.						
				ľ			
							V
		0-4 000	UTUS	Clean	0	SWOL	2
	×	1.1.	Rent	1	0	221	2
Sample Comments	Cont BTI BTI TPI- Chlu	Depth Comp C	ed Sampled	rix Date Sampled	ion Matrix	Sample Identification	
NaOH+Ascorbic Acid: SAPC	1	1-6	Corrected Temperature:	Correcte		Total Containers:	otal Co
Zn Acetate+NaOH: Zn		1.2	Temperature Reading:	and the second	Yes No N/A	Sample Custody Seals:	Sample
Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> ; NaSO <sub>3</sub>	P	6.2	Correction Factor:		Yes NO WA	Cooler Custody Seals:	Cooler (
NaHSO4: NABIS		IN/A CC	Thermometer ID:	<u>}</u>	Yes No	Samples Received Intact:	Samples
H <sub>3</sub> PO <sub>4</sub> : HP		Yas No	Wet Ice:	Yes	Jamp Blank:	SAMPLE RECEIPT	SAMP
H <sub>2</sub> S0 <sub>4</sub> : H <sub>2</sub> NaOH: Na	rs	the lab, if received by 4:30pm	the lab, if rec				PO#:
HCL: HC HNO3		a day received by	TAT starts the	Nalez	Flizchich' N.		Sampler
Caol: Cool MeOH: Me		2440	Due Date:	Ņ	Hais, NM	Project Location:	<sup>o</sup> roject l
None: NO DI Water: H <sub>2</sub> O	Code	X Rush	Routine			Project Number:	Project I
ANALYSIS REQUEST Preservative Codes		Turn Around	Turn	40297	ackson B #	a	Project Name:
Deliverables: EDD ADaPT Other:	audh consult, com	-	Email:	8459	9470-	616	Phone:
Reporting: Level II CLevel III PST/UST TRRP L Level IV		City, State ZIP:		0	t	ate ZIP: The h	City, State ZIP:
		Address:	t	mt stree	16 Clermont	··· 9446	Address:
Program: UST/PST   PRP Brownfields RRC Superfund		Company Name:		40	-1 Cansultia	Company Name:	Compar
Work Order Comments		Bill to: (if different)		Ker.	ichael Wic	Project Manager:	Project I



🍀 eurofins

5

13

**Environment Testing** 

Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300 Mildland, TX (432) 704-5440, San Antonio, TX (210) 509-3334 EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296

Wo

Eurofins Carlsbad 1089 N Canal St. Carlsbad, NM 88220 Phone: 575-988-3199 Fax: 575-988-3199 Client Information (Sub Contract Lab) Client Contract: Shipping/Receiving Company: Eurofins Environment Testing South Centr Address. Eurofins Environment Testing South Centr Address. 1211 W. Florida Ave, City: Midland State. Zip: TX, 79701 Phone: TX, 79701 Phone: TX, 79701 Phone: TX, 79701	e: 2015 Requested	Chain of Custody Record	a or No)	0° % 5	TEX - LL Analysis			Camer Trackin N/A State of Origin Texas	Carrier Tracking No(s): NJA State of Origin: Texas
State, Zip: TX, 79701 Phone: Email: N/A Project Name: JACKSON B #0294 Site: N/A Site: N/A	PO #: N/A Project #: 89000037 SSOW#: N/A Sample Date Time	Sample (C=comp, G=grab)	Print Strike Sectors Field Filtered Sample (Yes or No) Perform MS/MSD (Yes or No)	300_ORGFM_28D/DI_LEACH Chloride 8015MOD_NM/8015NM_S_Prep (MOD) Full TPH	8015MOD_Calc 8021B/5035FP_Calc (MOD) BTEX - LL	Total_BTEX_GCV			
SW02 (890-7543-1)	1/3/25 09:05 Central	IS G Solid	Solid	× ×	×	×			
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.	nent Testing South Central, LLC I above for analysis/tests/matrix Central, LLC attention immediat	places the ownership o being analyzed, the san sly. If all requested acc	f method, analyte & pples must be shipp reditations are curre	accreditation c ed back to the ant to date, retu	Euro th	fins Envir e signed	liance upon our subcor fins Environment Testir le signed Chain of Cust	liance upon our subcontract laborator Mns Environment Testing South Centr le signed Chain of Custody attesting to	liance upon our subcontract laboratories. This san fins Environment Testing South Central, LLC labor le signed Chain of Custody attesting to said complia
Possible Hazard Identification Unconfirmed			S	Return To Client	To C	lient	l ( A fee may be as Dient	l ( A fee may be assessed if s Disposal By L	Sample Disposal ( A fee may be assessed if samples are retained longer than 1 month) Return To Client Disposal By Lab Archive For Mont
Deliverable Requested: I, II, III, IV, Other (specify)	Primary Deliverable Rank: 2	nk: 2	S	Special Instructions/QC	ö		Requirem	Requirem	Requirem
Empty Kit Relinquished by:	Date:		Time:		- 1	2	"	Method	Method of Shipment
Relinquished by:	Date/Time:	ç	Company	Received by:			4 Parda	4 Partilla	W Jund Date/Time:
Relinquished by:	Date/Time: Date/Time:	<u> </u>	Company Company	Received by					Date/Time Date/Time
Relinquished by:				Cooler Temperature(s) °	berat	C I	O,	ure(s) °C and Other Remarks:	กั

5

13

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

Page 18 of 20

Job Number: 890-7543-1 SDG Number: Loco Hills, NM

List Source: Eurofins Carlsbad

### Login Sample Receipt Checklist

Client: CDH Consulting

### Login Number: 7543 List Number: 1

Creator: Lopez, Abraham

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

### Login Sample Receipt Checklist

Client: CDH Consulting

Login Number: 7543 List Number: 2 Creator: Rios, Minerva

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	N/A	

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

14

Job Number: 890-7543-1 SDG Number: Loco Hills, NM

List Source: Eurofins Midland

### List Creation: 01/07/25 09:20 AM

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



**Environment Testing** 

# **ANALYTICAL REPORT**

## PREPARED FOR

Attn: Michael Wicker CDH Consulting 9446 Clermont St, Thornton, Colorado 80229 Generated 2/26/2025 3:13:18 PM

## JOB DESCRIPTION

WESTALL LINE RELEASE LOCO HILLS

## **JOB NUMBER**

890-7712-1

Eurofins Carlsbad 1089 N Canal St. Carlsbad NM 88220

See page two for job notes and contact information

## **Eurofins Carlsbad**

## Job Notes

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

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

## Authorization

L

Generated 2/26/2025 3:13:18 PM

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

Eurofins Carlsbad is a laboratory within Eurofins Environment Testing South Central, LLC, a company within Eurofins Environment Testing Group of Companies

2

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

# **Table of Contents**

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Client Sample Results	6
Surrogate Summary	7
	8
	11
Lab Chronicle	12
Certification Summary	13
Method Summary	14
Sample Summary	15
Chain of Custody	16
Receipt Checklists	17

	Definitions/Glossary		1
Client: CDH C		Job ID: 890-7712-1	
Project/Site: v	VESTALL LINE RELEASE	SDG: LOCO HILLS	
Qualifiers			3
GC VOA			
Qualifier	Qualifier Description		
U	Indicates the analyte was analyzed for but not detected.		
GC Semi VO	Α		5
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.		8
Glossary			g
Abbreviation	These commonly used abbreviations may or may not be present in this report.		
<del></del> ¢	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		44
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		

Not Calculated

Presumptive

**Quality Control** 

Negative / Absent Positive / Present

Practical Quantitation Limit

Relative Error Ratio (Radiochemistry)

Toxicity Equivalent Factor (Dioxin)

Too Numerous To Count

Toxicity Equivalent Quotient (Dioxin)

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

Reporting Limit or Requested Limit (Radiochemistry)

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

NC

ND

NEG

POS PQL

PRES

QC

RER RL

RPD

TEF

TEQ TNTC

**Eurofins Carlsbad** 

## **Case Narrative**

Client: CDH Consulting Project: WESTALL LINE RELEASE Job ID: 890-7712-1

Page 235 of 277

#### **Eurofins Carlsbad**

#### Job Narrative 890-7712-1

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

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

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

#### Receipt

The sample was received on 2/24/2025 3:30 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.0°C.

#### **Receipt Exceptions**

The following sample was received and analyzed from an unpreserved bulk soil jar: BACKFILL (890-7712-1).

#### GC VOA

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

#### **Diesel Range Organics**

Method 8015MOD NM: Surrogate recovery for the following sample was outside control limits: BACKFILL (890-7712-1). Evidence of matrix interferences is not obvious.

Method 8015MOD NM: The surrogate recovery for the blank associated with preparation batch 880-103582 and analytical batch 880-103632 was outside the upper control limits.

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

#### HPLC/IC

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

**Eurofins Carlsbad** 

## **Client Sample Results**

Client: CDH Consulting Project/Site: WESTALL LINE RELEASE

#### **Client Sample ID: BACKFILL** Date Collected: 02/22/25 14:28 Date Received: 02/24/25 15:30

Sample Depth: 0.5 - 2'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	< 0.00200	U	0.00200		mg/Kg		02/25/25 11:38	02/25/25 14:20	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/25/25 11:38	02/25/25 14:20	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/25/25 11:38	02/25/25 14:20	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/25/25 11:38	02/25/25 14:20	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/25/25 11:38	02/25/25 14:20	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/25/25 11:38	02/25/25 14:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130				02/25/25 11:38	02/25/25 14:20	1
1,4-Difluorobenzene (Surr)	92		70 - 130				02/25/25 11:38	02/25/25 14:20	1

Method: TAL SOP Total BTEX - Total BTEX Calculation										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total BTEX	<0.00399	U	0.00399		mg/Kg			02/25/25 14:20	1	

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)											
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac		
Total TPH	<50.0	U	50.0		mg/Kg			02/25/25 11:40	1		

Method: SW846 8015B NM - I Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		02/24/25 17:22	02/25/25 11:40	1
(GRO)-C6-C10 Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		02/24/25 17:22	02/25/25 11:40	1
C10-C28) Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/24/25 17:22	02/25/25 11:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
		04.	70 (00				00/04/05 47:00	00/05/05 44 40	
1-Chlorooctane	133	S1+	70 - 130				02/24/25 17:22	02/25/25 11:40	1
1-Chlorooctane o-Terphenyl	133 105	51+	70 - 130 70 - 130					02/25/25 11:40 02/25/25 11:40	1
o-Terphenyl	105		70 - 130						1
	105		70 - 130	MDL	Unit	D			1 Dil Fac

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

## Lab Sample ID: 890-7712-1

Matrix: Solid

5

**Eurofins Carlsbad** 

## **Surrogate Summary**

Client: CDH Consulting Project/Site: WESTALL LINE RELEASE

### Method: 8021B - Volatile Organic Compounds (GC) Matrix: Solid

			Percent Surrogate R	ecovery (Acceptance Limits)	
		BFB1	DFBZ1		
Lab Sample ID	Client Sample ID	(70-130)	(70-130)		5
890-7712-1	BACKFILL	102	92		
LCS 880-103561/1-A	Lab Control Sample	93	103		6
LCSD 880-103561/2-A	Lab Control Sample Dup	96	103		
MB 880-103561/5-A	Method Blank	92	92		
Surrogate Legend				_	2
BFB = 4-Bromofluorob	( )				
DFBZ = 1,4-Difluorobe	nzene (Surr)				
lethod: 8015B N	M - Diesel Range Org	anics (DR	O) (GC)		5
latrix: Solid		,		Prep Type: Total/NA	
			Percent Surrogate R	ecovery (Acceptance Limits)	

			10	Acceptance Limits)	
		1CO1	OTPH1		
Lab Sample ID	Client Sample ID	(70-130)	(70-130)		
890-7712-1	BACKFILL	133 S1+	105		12
LCS 880-103582/2-A	Lab Control Sample	112	100		
LCSD 880-103582/3-A	Lab Control Sample Dup	110	99		13
MB 880-103582/1-A	Method Blank	136 S1+	107		
Surrogate Legend					
1CO = 1-Chlorooctane					

OTPH = o-Terphenyl

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

Prep Type: Total/NA

**Client: CDH Consulting** Project/Site: WESTALL LINE RELEASE

Lab Sample ID: MB 880-103561/5-A

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

Matrix: Solid Analysis Batch: 103617								Prep Type: To Prep Batch:	
-	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	< 0.00200	U	0.00200		mg/Kg		02/24/25 16:08	02/25/25 11:56	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/24/25 16:08	02/25/25 11:56	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/24/25 16:08	02/25/25 11:56	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/24/25 16:08	02/25/25 11:56	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/24/25 16:08	02/25/25 11:56	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/24/25 16:08	02/25/25 11:56	1
	МВ	МВ							
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130				02/24/25 16:08	02/25/25 11:56	1
1,4-Difluorobenzene (Surr)	92		70 - 130				02/24/25 16:08	02/25/25 11:56	1

#### Lab Sample ID: LCS 880-103561/1-A Matrix: Solid Analysis Batch: 103617

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.1032		mg/Kg		103	70 - 130	
Ethylbenzene	0.100	0.1026		mg/Kg		103	70 - 130	
Toluene	0.100	0.1026		mg/Kg		103	70 - 130	
m-Xylene & p-Xylene	0.200	0.1918		mg/Kg		96	70 - 130	
o-Xylene	0.100	0.1061		mg/Kg		106	70 - 130	

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	93		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

#### Lab Sample ID: LCSD 880-103561/2-A **Matrix: Solid**

#### Analysis Batch: 103617 Prep Batch: 103561 LCSD LCSD Spike %Rec RPD Analyte Added **Result Qualifier** Unit D %Rec Limits RPD Limit Benzene 0.100 0.1067 mg/Kg 107 70 - 130 3 35 Ethylbenzene 0.100 0.1047 mg/Kg 105 70 - 130 2 35 Toluene 0.100 0.1049 mg/Kg 105 70 - 130 2 35 m-Xylene & p-Xylene 0.200 0.1936 mg/Kg 97 70 - 130 1 35 o-Xylene 0.100 0.1079 mg/Kg 108 70 - 130 2 35

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	96		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

## **Client Sample ID: Lab Control Sample**

**Client Sample ID: Lab Control Sample Dup** 

Prep	Type: Total/NA	
Prep	Batch: 103561	

Prep Type: Total/NA

**Client Sample ID: Method Blank** 

## **QC Sample Results**

**Client: CDH Consulting** Project/Site: WESTALL LINE RELEASE

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

Matrix: Solid Analysis Batch: 103632													Prep Ty Prep Ba		
Analysis Datch. 105052	N	ИВ	МВ										гіер Ба	itten.	10330
Analyte	Res	ult	Qualifier	F	٦L	ľ	NDL	Unit		D	Pr	repared	Analyz	ed	Dil Fa
Gasoline Range Organics	<50	0.0	U	50	0.0			mg/K	3	0	2/2	4/25 17:19	02/25/25	02:34	
GRO)-C6-C10								•	-						
Diesel Range Organics (Over	<50	0.0	U	50	0.0			mg/K	9	0	2/2	4/25 17:19	02/25/25	02:34	
C10-C28)					_					_					
Dil Range Organics (Over C28-C36)	<50	0.0	U	50	0.0			mg/K	9	0	2/24	4/25 17:19	02/25/25	02:34	
	1	ИВ	MB												
Surrogate	%Recove	erv	Qualifier	Limits							Pi	repared	Analyz	zed	Dil Fa
1-Chlorooctane			S1+	70 - 130						0		4/25 17:19			
o-Terphenyl	1	07		70 - 130	0					C	2/2	4/25 17:19	02/25/25	02:34	
Lab Sample ID: LCS 880-10	3582/2-A								Clie	nt S	Sar	nple ID:	Lab Cor	trol S	Sampl
Matrix: Solid													Prep Ty	pe: To	otal/N
Analysis Batch: 103632													Prep Ba	itch: '	10358
-				Spike		LCS	LCS						%Rec		
Analyte				Added	I	Result	Qua	lifier	Unit		D	%Rec	Limits		
Gasoline Range Organics				1000		1044			mg/Kg		_	104	70 - 130		
GRO)-C6-C10															
Diesel Range Organics (Over				1000		939.6			mg/Kg			94	70 - 130		
C10-C28)															
	LCS I	LCS													
Surrogate	%Recovery	Qua	lifier	Limits											
1-Chlorooctane	112			70 - 130											
o-Terphenyl	100			70 - 130											
Lab Sample ID: LCSD 880-1	03582/3-A							C	lient Sa	amp	ole	ID: Lab	Control		
Matrix: Solid													Prep Ty	pe: To	otal/N
Analysis Batch: 103632													Prep Ba	itch: '	10358
				Spike		LCSD	LCS	D					%Rec		RP
Analyte				Added	I	Result	Qua	lifier	Unit		D	%Rec	Limits	RPD	) Lim
Gasoline Range Organics				1000		1048			mg/Kg			105	70 - 130	C	) 2
GRO)-C6-C10						000 1			mg/Kg			93	70 - 130	1	2
Diesel Range Organics (Over				1000		929.1			00						
,				1000		929.1			0 0						
Diesel Range Organics (Over	LCSD I	LCS	D	1000		929.1									
Diesel Range Organics (Over C10-C28)	LCSD I %Recovery (			1000 Limits		929.1									
Diesel Range Organics (Over C10-C28)						929.1									
Diesel Range Organics (Over C10-C28) <b>Surrogate</b>	%Recovery			Limits		929.1									
Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane D-Terphenyl	% <b>Recovery</b> 110 99	Quai	lifier	<b>Limits</b> 70 - 130 70 - 130		929.1									
Diesel Range Organics (Over C10-C28) Surrogate	% <b>Recovery</b> 110 99	Quai	lifier	<b>Limits</b> 70 - 130 70 - 130		929.1									

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

5

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

Client: CDH Consulting Project/Site: WESTALL LINE RELEASE

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

## Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-103611/2-A Matrix: Solid Analysis Batch: 103651				Clier	nt Sa	mple ID	: Lab Cor Prep Ty		
Analysis Baten. 100001	Spike	LCS	LCS				%Rec		
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Chloride	250	249.7		mg/Kg		100	90 - 110		
Lab Sample ID: LCSD 880-103611/3-A Matrix: Solid Analysis Batch: 103651			C	Client Sa	mple	ID: Lat	Control Prep Ty		
•	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	250	250.5		mg/Kg		100	90 - 110	0	20

**Eurofins Carlsbad** 

7

## **QC Association Summary**

Client: CDH Consulting Project/Site: WESTALL LINE RELEASE

## GC VOA

#### Prep Batch: 103561

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7712-1	BACKFILL	Total/NA	Solid	5035	
MB 880-103561/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-103561/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-103561/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
Analysis Batch: 1036	517				
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7712-1	BACKFILL	Total/NA	Solid	8021B	103561
MB 880-103561/5-A	Method Blank	Total/NA	Solid	8021B	103561
LCS 880-103561/1-A	Lab Control Sample	Total/NA	Solid	8021B	103561
LCSD 880-103561/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	103561
Analysis Batch: 1036	576				
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7712-1	BACKFILL	Total/NA	Solid	Total BTEX	
GC Semi VOA					
Prep Batch: 103582					
Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
890-7712-1	BACKFILL	Total/NA	Solid	8015NM Prep	
MB 880-103582/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-103582/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-103582/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
Analysis Batch: 1036	32				
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7712-1	BACKFILL	Total/NA	Solid	8015B NM	103582
MB 880-103582/1-A	Method Blank	Total/NA	Solid	8015B NM	103582
LCS 880-103582/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	103582
LCSD 880-103582/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	103582
Analysis Batch: 1036	69				
Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
890-7712-1	BACKFILL	Total/NA	Solid	8015 NM	
HPLC/IC					
Leach Batch: 103611					
Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
890-7712-1	BACKFILL	Soluble	Solid	DI Leach	
MB 880-103611/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-103611/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-103611/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
Analysis Batch: 1036	551				
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7712-1	BACKFILL	Soluble	Solid	300.0	103611
MB 880-103611/1-A	Method Blank	Soluble	Solid	300.0	103611
LCS 880-103611/2-A	Lab Control Sample	Soluble	Solid	300.0	103611
LCSD 880-103611/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	103611

**Eurofins Carlsbad** 

Page 241 of 277

5

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

### Client Sample ID: BACKFILL Date Collected: 02/22/25 14:28 Date Received: 02/24/25 15:30

Page	<i>242</i>	of 277
------	------------	--------

5 6

9

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

## Lab Sample ID: 890-7712-1

Matrix: Solid

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5035			103561	MNR	EET MID	02/25/25 11:38
Total/NA	Analysis	8021B		1	103617	MNR	EET MID	02/25/25 14:20
Total/NA	Analysis	Total BTEX		1	103676	AJ	EET MID	02/25/25 14:20
Total/NA	Analysis	8015 NM		1	103669	AJ	EET MID	02/25/25 11:40
Total/NA	Prep	8015NM Prep			103582	EL	EET MID	02/24/25 17:22
Total/NA	Analysis	8015B NM		1	103632	TKC	EET MID	02/25/25 11:40
Soluble	Leach	DI Leach			103611	SA	EET MID	02/25/25 09:17
Soluble	Analysis	300.0		5	103651	СН	EET MID	02/25/25 22:00

#### Laboratory References:

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

**Eurofins Carlsbad** 

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

**Accreditation/Certification Summary** 

Client: CDH Consulting Project/Site: WESTALL LINE RELEASE Job ID: 890-7712-1 SDG: LOCO HILLS

10

### Laboratory: Eurofins Midland

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

Authority	Program		Identification Number	Expiration Date
Texas	NELAP		T104704400	06-30-25
The following analyte	s are included in this report	out the laboratory is r	not certified by the governing authori	ty This list may include analyte
	does not offer certification.		ior certified by the governing authori	ty. This list may include analyte:
0,	•	Matrix	Analyte	
for which the agency	does not offer certification.			

**Eurofins Carlsbad** 

**Page 243 of 277** 

## **Method Summary**

#### Client: CDH Consulting Project/Site: WESTALL LINE RELEASE

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

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

#### Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

#### Laboratory References:

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

11 12 13

## **Sample Summary**

Client: CDH Consulting Project/Site: WESTALL LINE RELEASE Job ID: 890-7712-1 SDG: LOCO HILLS

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth	
890-7712-1	BACKFILL	Solid	02/22/25 14:28	02/24/25 15:30	0.5 - 2'	4
						5
						8
						9
						12
						13

	6						J
	4						ω
		a 124 13		String &		Line o	Charles P
Received by: (Signature) Date/Time	Relinquished by: (Signature)	Date/Time		Received by: (Signature)	(e)	by: (Signatur	Relinquished by: (Signature)
						Contraction of the second s	
read unless braviously negotiated.	or service. Eurofine Xence will be liable only for the cost of samples and shall not assume any responsibility for any losses or spenses incurred by the client if such lesses are due to circumstances beyond the control of service. Eurofine Xence will be liable only for the cost of samples and shall not assume any responsibility for any losses or spenses incurred by the client if such lesses are due to circumstances beyond the control of service. Eurofine Xence will be liable only for the control shall not assume of 55 for any sample submitted to Functione Xence hit not analyzed. These tarms will be anforced unless total only and the control	for any losses or expenses in male submitted to Eurofine	source any responsibility is a characteristic to the second s	samples and shall not a	only for the cost of	enco will be flable	of service. Eurofins X
		A SO AS DA DO C	SPLP BUTU: BRCR		) to be analyze	and Metai(s	Urcle Method(s) and Metai(s) to be analyzed
<u> </u>	NI CO AG			ORUNA ISPPNI	200.8 / 8020:	002 0100	10tal 200.// 6010
No Ni K So An Sin No St TI Sh II V Zh				00000 10	0 1 0000-		1
					-		
			0.5-2' C	SC: HI Scolele	S e		Backfill
Sample Comments		1	Depth Comp	Date Time Sampled Sampled	Matrix s	Sample Identification	Sample Ic
		<u> </u>	6	Corrected Temperature:		-	Total Containers:
Zn Acetate+NaOH: Zn	890-7712 Chain of Custody	80	-0.2	Temperature Reading:	NO MIA	eals: Yes	Sample Custody Seals:
Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> . NaSO <sub>3</sub>			Ц	Correction Factor:	Yes No N/A CO		Cooler Custody Seals:
NaHSO <sub>4</sub> : NABIS			INMER	Thermometer ID:	Yes No Th	h	Samples Received Intact:
H <sub>3</sub> PO <sub>4</sub> : HP			(Yes) No	Yes No Wet Ice:	Temp Blank:		SAMPLE RECEIPT
H <sub>2</sub> S0 <sub>4</sub> : H <sub>2</sub> NaOH: Na	-		L			•	PO#:
HCL: HC HNO3				Ì	-1[		Sampler's Name:
Cool: Cool MeOH: Me			1-25-2025	Due Date:	HUS UW	IN'N H	Project Location:
None: NO DI Water: H <sub>2</sub> O		Pres.	Rush	Rou			Project Number:
Preservative Codes	ANALYSIS REQUEST		Turn Around	Relaise Tu	line	westall	Project Name:
ies: EDD ADaPT Other:	Deliverables: EDD	mulcher Och consulticom	1: Murcher	9 Email:	614-970-8459	616-9	Phone:
Reporting: Level III Clevel III PST/UST TRRP Level IV	Reporting:		City, State ZIP:				City, State ZIP:
	State of Project:		Address:				Address:
Program: UST/PST  PRP Brownfields RRC Superfund	Program:		Company Name:	ting	M operating	MV JUM	Company Name:
Work Order Comments	Consulting	COH Con	Bill to: (if different)	er	el wicker	Whichael	Project Manager:
Page of							
	au, INN (373) a00-3 iaa 224-5060	Hobbs, NM (575) 392-7050, Carisbad, NM (575) 800-3188	HODDS, N				
Work Order No:	ck, TX (806) 794-1296	EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296	EL Paso,	Environment lesurg	CIVITOIIII		

: eurofins

**Environment Testing** 

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300 Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334 EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296

Chain of Custody

2/26/2025

5 6 13

## Login Sample Receipt Checklist

Client: CDH Consulting

#### Login Number: 7712 List Number: 1 Creator: Bruns, Shannon

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	

14

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

List Source: Eurofins Carlsbad

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



**Environment Testing** 

# **ANALYTICAL REPORT**

## PREPARED FOR

Attn: Michael Wicker CDH Consulting 9446 Clermont St, Thornton, Colorado 80229 Generated 3/6/2025 5:53:59 PM

## JOB DESCRIPTION

WESTALL LINE RELEASE LOCO HILLS

## **JOB NUMBER**

890-7773-1

Eurofins Carlsbad 1089 N Canal St. Carlsbad NM 88220

See page two for job notes and contact information

## **Eurofins Carlsbad**

## Job Notes

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

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

## Authorization

L

Generated 3/6/2025 5:53:59 PM

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

Eurofins Carlsbad is a laboratory within Eurofins Environment Testing South Central, LLC, a company within Eurofins Environment Testing Group of Companies

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

# **Table of Contents**

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Client Sample Results	6
Surrogate Summary	8
QC Sample Results	9
QC Association Summary	13
Lab Chronicle	15
Certification Summary	16
Method Summary	17
Sample Summary	18
Chain of Custody	19
-	21

DL, RA, RE, IN

DLC

EDL

LOD

LOQ

MCL

MDA

MDC

MDL

MQL NC

ND

NEG

POS

PQL PRES

QC

RL RPD

TEF

TEQ

TNTC

RER

ML MPN

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

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

Decision Level Concentration (Radiochemistry)

EPA recommended "Maximum Contaminant Level"

Minimum Detectable Concentration (Radiochemistry)

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

Minimum Detectable Activity (Radiochemistry)

Estimated Detection Limit (Dioxin)

Limit of Detection (DoD/DOE)

Method Detection Limit Minimum Level (Dioxin)

Most Probable Number Method Quantitation Limit

Not Calculated

Negative / Absent

Positive / Present Practical Quantitation Limit

Presumptive

Quality Control

Relative Error Ratio (Radiochemistry)

Toxicity Equivalent Factor (Dioxin)

Too Numerous To Count

Toxicity Equivalent Quotient (Dioxin)

Reporting Limit or Requested Limit (Radiochemistry)

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

Limit of Quantitation (DoD/DOE)

## **Case Narrative**

Client: CDH Consulting Project: WESTALL LINE RELEASE Job ID: 890-7773-1

### **Eurofins Carlsbad**

Job Narrative 890-7773-1

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

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

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

#### Receipt

The samples were received on 3/5/2025 1:40 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.0°C.

#### **Receipt Exceptions**

The following samples were received and analyzed from an unpreserved bulk soil jar: TOPSOIL (890-7773-1) and BACKFILL (890-7773-2).

#### GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-104555 and analytical batch 880-104558 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

#### **Diesel Range Organics**

Method 8015MOD\_NM: The surrogate recovery for the blank associated with preparation batch 880-104525 and analytical batch 880-104415 was outside the upper control limits.

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

#### HPLC/IC

No additional analytical or guality issues were noted, other than those described above or in the Definitions/ Glossary page.
Project/Site: WESTALL LINE RELEASE

MDL Unit

mg/Kg

D

Prepared

03/05/25 18:00

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

# **Client Sample ID: TOPSOIL**

Date Collected: 03/04/25

**Client: CDH Consulting** 

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

Analyzed

03/06/25 12:02

5 Dil Fac

1

Date Collected: 03/04/25 09:32			
Date Received: 03/05/25 13:40			
Sample Depth: 3"-9"			
 Method: SW846 8021B - Volatile Or	rganic Comp	ounds (GC)	
Analyte	Result	Qualifier	RL
Benzene	<0.00200	U F1	0.00200

Ethylbenzene	<0.00200	U F1	0.00200		mg/Kg		03/05/25 18:00	03/06/25 12:02	
Toluene	<0.00200	U F1	0.00200		mg/Kg		03/05/25 18:00	03/06/25 12:02	1
Xylenes, Total	<0.00399	U F1	0.00399		mg/Kg		03/05/25 18:00	03/06/25 12:02	
m-Xylene & p-Xylene	<0.00399	U F1	0.00399		mg/Kg		03/05/25 18:00	03/06/25 12:02	1
o-Xylene	<0.00200	U F1	0.00200		mg/Kg		03/05/25 18:00	03/06/25 12:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130				03/05/25 18:00	03/06/25 12:02	1
1,4-Difluorobenzene (Surr)	91		70 - 130				03/05/25 18:00	03/06/25 12:02	1
Method: TAL SOP Total BTEX - Tot	tal BTEX Calo	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			03/06/25 12:02	1
Method: SW846 8015 NM - Diesel I	Range Organ	ics (DRO) (	GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			03/06/25 02:01	1
Method: SW846 8015B NM - Diese	I Range Orga	nics (DRO)	(GC)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		03/05/25 20:25	03/06/25 02:01	1
Diesel Range Organics (Over	<50.1	U	50.1		mg/Kg		03/05/25 20:25	03/06/25 02:01	1
C10-C28) Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		03/05/25 20:25	03/06/25 02:01	1
					0 0				
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130				03/05/25 20:25	03/06/25 02:01	1
o-Terphenyl	89		70 - 130				03/05/25 20:25	03/06/25 02:01	1
Method: EPA 300.0 - Anions, Ion C						_			
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	127		10.0		mg/Kg			03/06/25 17:19	1
lient Sample ID: BACKFILL							Lab Sar	nple ID: 890-	7773-2
ate Collected: 03/04/25 09:48 ate Received: 03/05/25 13:40								Matri	ix: Solid

Wethou: Swo40 ouz ID - volatile O	ryanic comp	ounus (GC)	)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		03/05/25 18:00	03/06/25 12:23	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		03/05/25 18:00	03/06/25 12:23	1
Toluene	<0.00202	U	0.00202		mg/Kg		03/05/25 18:00	03/06/25 12:23	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		03/05/25 18:00	03/06/25 12:23	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		03/05/25 18:00	03/06/25 12:23	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		03/05/25 18:00	03/06/25 12:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130				03/05/25 18:00	03/06/25 12:23	1

# **Client Sample Results**

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

Lab Sample ID: 890-7773-2

Analyzed

Prepared

## **Client Sample ID: BACKFILL**

Project/Site: WESTALL LINE RELEASE

Date Collected: 03/04/25 09:48

Date Received: 03/05/25 13:40 Sample Donth: 2 5' 2'

**Client: CDH Consulting** 

	atile Organic Comp	ounds (GC)	(Continued
Surrogate	%Recovery	Qualifier	Limits
Junogate			

1,4-Difluorobenzene (Surr)	89		70 - 130				03/05/25 18:00	03/06/25 12:23	1
Method: TAL SOP Total BTEX - To	tal BTEX Calo	ulation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			03/06/25 12:23	1
Method: SW846 8015 NM - Diesel	Range Organ	ics (DRO) (O	GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			03/06/25 02:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.5	U	50.5		mg/Kg		03/05/25 20:27	03/06/25 02:01	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.5	U	50.5		mg/Kg		03/05/25 20:27	03/06/25 02:01	1
C10-C28)									
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		03/05/25 20:27	03/06/25 02:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	77		70 - 130				03/05/25 20:27	03/06/25 02:01	1
o-Terphenyl	81		70 - 130				03/05/25 20:27	03/06/25 02:01	1
 Method: EPA 300.0 - Anions, Ion	Chromatograp	ohy - Solubl	e						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	160		10.0		mg/Kg			03/06/25 17:26	1

Matrix: Solid

Dil Fac

#### Method: 8021B - Volatile Organic Compounds (GC) Matrix: Solid

#### Percent Surrogate Recovery (Acceptance Limits) DFBZ1 BFB1 Lab Sample ID Client Sample ID (70-130) (70-130) TOPSOIL 890-7773-1 102 91 890-7773-1 MS TOPSOIL 109 89 890-7773-1 MSD TOPSOIL 101 91 BACKFILL 89 890-7773-2 106 LCS 880-104555/1-A Lab Control Sample 98 91 Lab Control Sample Dup LCSD 880-104555/2-A 98 93 MB 880-104555/5-A Method Blank 100 83 Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

#### Matrix: Solid

				Percent Surrogate Recovery (Acceptance Limits)
		1CO1	OTPH1	
ample ID	Client Sample ID	(70-130)	(70-130)	
3-1	TOPSOIL	97	89	
73-2	BACKFILL	77	81	
0-104524/2-A	Lab Control Sample	118	105	
0-104525/2-A	Lab Control Sample	100	98	
30-104524/3-A	Lab Control Sample Dup	118	105	
80-104525/3-A	Lab Control Sample Dup	100	98	
-104524/1-A	Method Blank	83	76	
0-104525/1-A	Method Blank	69 S1-	72	

#### Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Prep Type: Total/NA

Page 255 of 277

Lab Sample ID: MB 880-104555/5-A

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

Matrix: Solid Analysis Batch: 104558								Prep Type: 1 Prep Batch:	
	MB	МВ							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/05/25 18:00	03/06/25 11:40	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/05/25 18:00	03/06/25 11:40	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/05/25 18:00	03/06/25 11:40	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/05/25 18:00	03/06/25 11:40	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/05/25 18:00	03/06/25 11:40	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/05/25 18:00	03/06/25 11:40	1
	МВ	МВ							
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130				03/05/25 18:00	03/06/25 11:40	1
1,4-Difluorobenzene (Surr)	83		70 - 130				03/05/25 18:00	03/06/25 11:40	1

#### Lab Sample ID: LCS 880-104555/1-A Matrix: Solid

#### Analysis Batch: 104558

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.08388		mg/Kg		84	70 - 130	
Ethylbenzene	0.100	0.07803		mg/Kg		78	70 - 130	
Toluene	0.100	0.07655		mg/Kg		77	70 - 130	
m-Xylene & p-Xylene	0.200	0.1596		mg/Kg		80	70 - 130	
o-Xylene	0.100	0.08477		mg/Kg		85	70 - 130	

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		70 - 130
1,4-Difluorobenzene (Surr)	91		70 - 130

#### Lab Sample ID: LCSD 880-104555/2-A

# Matrix: Solid

Analysis Batch: 104558							Prep I	Batch: 1	04555
	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.09037		mg/Kg		90	70 - 130	7	35
Ethylbenzene	0.100	0.08451		mg/Kg		85	70 - 130	8	35
Toluene	0.100	0.08163		mg/Kg		82	70 - 130	6	35
m-Xylene & p-Xylene	0.200	0.1718		mg/Kg		86	70 - 130	7	35
o-Xylene	0.100	0.08976		mg/Kg		90	70 - 130	6	35

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		70 - 130
1,4-Difluorobenzene (Surr)	93		70 - 130

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

#### Analysis Batch: 104558

Analysis Batch: 104558									Prep	Batch: 104555
	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00200	U F1	0.100	0.03992	F1	mg/Kg		40	70 - 130	
Ethylbenzene	<0.00200	U F1	0.100	0.04500	F1	mg/Kg		45	70 - 130	

**Eurofins Carlsbad** 

5 6 7

# **Client Sample ID: Method Blank**

Job ID: 890-7773-1

SDG: LOCO HILLS

**Client Sample ID: Lab Control Sample** 

Prep Type: Total/NA Prep Batch: 104555

84	70 - 130
78	70 - 130
77	70 - 130
80	70 - 130
85	70 - 130

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

**Client Sample ID: TOPSOIL** 

Prep Type: Total/NA

MS MS

0.04061 F1

0.09331 F1

0.05085 F1

MSD MSD

Result Qual

0.05621 F1

0.05819 F1

0.05391 F1

0.1192 F1

0.06269 F1

**Result Qualifier** 

Unit

mg/Kg

mg/Kg

mg/Kg

mg/Kg

mg/Kg

mg/Kg

Spike

Added

0.100

0.200

0.100

Limits 70 - 130

70 - 130

Spike

Added

0.100

0.100

0.100

0.200

**Client: CDH Consulting** Project/Site: WESTALL LINE RELEASE

Lab Sample ID: 890-7773-1 MS

Analysis Batch: 104558

4-Bromofluorobenzene (Surr)

Analysis Batch: 104558

Lab Sample ID: 890-7773-1 MSD

1,4-Difluorobenzene (Surr)

Matrix: Solid

m-Xylene & p-Xylene

Analyte

Toluene

o-Xylene

Surrogate

Matrix: Solid

Analyte Benzene

Toluene

Ethylbenzene

m-Xylene & p-Xylene

Sample Sample

<0.00200

< 0.00399

%Recovery

<0.00200 UF1

109

89

Sample Sample

<0.00200

<0.00200

<0.00200 UF1

<0.00399 UF1

Result Qualifier

U F1

U F1

MS MS

**Result Qualifier** 

U F1

U F1

Qualifier

	SDG: LOCO HILLS	
Clie	ent Sample ID: TOPSOIL Prep Type: Total/NA Prep Batch: 104555	
	%Rec	5
ес	Limits	
41	70 - 130	
47	70 - 130	
51	70 - 130	7
		8
		9
Clie	ent Sample ID: TOPSOIL Prep Type: Total/NA	
	Prep Batch: 104555	

# Client Sample ID: TOPSOIL

28

24

21

35

35

35

%Rec

41

47

51

D

				Prep 1	ype: To	tal/NA	
				Prep I	Batch: 1	04555	
0				%Rec		RPD	
lifier	Unit	D	%Rec	Limits	RPD	Limit	
	mg/Kg		56	70 - 130	34	35	
	mg/Kg		58	70 - 130	26	35	Ē

70 - 130

70 - 130

70 - 130

54

60

63

o-Xylene	<0.00200	U F1	0.100
	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	91		70 - 130

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

Lab Sample ID: MB 880-104524/1 Matrix: Solid Analysis Batch: 104413	-A						Client Sa	mple ID: Metho Prep Type: 1 Prep Batch:	otal/NA
	МВ	МВ							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/05/25 20:24	03/05/25 18:22	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/05/25 20:24	03/05/25 18:22	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/05/25 20:24	03/05/25 18:22	1
	МВ	MB							
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	83		70 - 130				03/05/25 20:24	03/05/25 18:22	1
o-Terphenyl	76		70 - 130				03/05/25 20:24	03/05/25 18:22	1

#### Lab Sample ID: LCS 880-104524/2-A Client Sample ID: Lab Control Sample Matrix: Solid Prep Type: Total/NA Analysis Batch: 104413 Prep Batch: 104524 Spike LCS LCS %Rec Added Analyte Result Qualifier Unit D %Rec Limits 1000 118 70 - 130 1176 Gasoline Range Organics mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over 1000 1140 mg/Kg 114 70 - 130 C10-C28)

Client: CDH Consulting Project/Site: WESTALL LINE RELEASE

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

Lab Sample ID: LCS 880-1045 Matrix: Solid	24/2-A									Clie	ent	Sample		Type: To	otal/NA
Analysis Batch: 104413													Prep I	Batch:	104524
	LCS I	cs													
Surrogate	%Recovery	Qualifier		Limits											
1-Chlorooctane	118			70 - 130											
o-Terphenyl	105			70 - 130											
- Lab Sample ID: LCSD 880-104	1524/3-A								Cli	ent S	am	ple ID: L	ab Contro	ol Samp	ole Dup
Matrix: Solid												·		-	otal/NA
Analysis Batch: 104413															104524
				Spike		LCSD	LCSD	)					%Rec		RPD
Analyte				Added		Result	Qualif	fier	Unit		D	%Rec	Limits	RPD	Limit
Gasoline Range Organics				1000		1152			mg/Kg			115	70 - 130	2	20
(GRO)-C6-C10															
Diesel Range Organics (Over C10-C28)				1000		1159			mg/Kg			116	70 - 130	2	20
010-020)	LCSD I	<b>CSD</b>													
Surrogate	%Recovery (			Limits											
1-Chlorooctane	118	zuumiei		70 - 130											
o-Terphenyl	105			70 - 130											
 Lab Sample ID: MB 880-10452	D5/1_A											Client Sa	ample ID:	Mothor	d Blank
Matrix: Solid	.5/ 1-A											chefit 3d			otal/NA
Analysis Batch: 104415		МВ МВ											Prepr	batch.	104525
Analyta		ult Qu			RL		MDL	Unit		D	р.	anarad	Anolua	o d	Dil Fac
Analyte		0.0 U	anner		50.0							repared 5/25 20:27	Analyz 03/05/25		1 Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<5	0.0 0			50.0			mg/Kg		0	13/0:	5/25 20.21	03/03/23	10.22	1
Diesel Range Organics (Over	<5	0.0 U			50.0			mg/Kg		0	)3/0	5/25 20:27	03/05/25	18:22	1
C10-C28)								5 5							
Oil Range Organics (Over C28-C36)	<5	0.0 U			50.0		I	mg/Kg		0	)3/05	5/25 20:27	03/05/25	18:22	1
		мв мв													
Surrogate	%Recov			Limi								repared	Analyz		Dil Fac
1-Chlorooctane		69 S1-	-	70 - 1	130					0	)3/0	5/25 20:27	03/05/25	18:22	1
o-Terphenyl		72		70 - 1	130					0	)3/0	5/25 20:27	03/05/25	18:22	1
Lab Sample ID: LCS 880-1045	25/2-A									Clie	ent	Sample	ID: Lab Co	ontrol S	Sample
Matrix: Solid													Prep 1	Type: To	otal/NA
Analysis Batch: 104415													Prep I	Batch:	104525
				Spike		LCS	LCS						%Rec		
Analyte				Added		Result	Qualif	fier	Unit		D	%Rec	Limits		
Gasoline Range Organics				1000		942.4			mg/Kg			94	70 - 130		
(GRO)-C6-C10															
				1000		1065			mg/Kg			106	70 - 130		
Diesel Range Organics (Over C10-C28)															
Diesel Range Organics (Over C10-C28)	LCS I	cs													
C10-C28)	LCS L %Recovery (														
0 0 (	LCS L %Recovery 0 100			Limits											

5

7

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

Matrix: Solid										ype: To	
Analysis Batch: 104415									Prep E	Batch: 1	
			Spike	LCSD	LCSD				%Rec		RPD
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics			1000	952.6		mg/Kg		95	70 - 130	1	20
(GRO)-C6-C10											
Diesel Range Organics (Over			1000	1081		mg/Kg		108	70 - 130	2	20
C10-C28)											
	LCSD	LCSD									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	100		70 - 130								
o-Terphenyl	98		70 - 130								
Method: 300.0 - Anions,	Ion Chromat	ography									

Analysis Batch: 104584	мв	мв												
Analyte	Result	Qualifier		RL		MDL	Unit		D	Pr	epared	Analyz	zed	Dil Fac
Chloride	<10.0	U		10.0			mg/Kg					03/06/25	11:52	1
Lab Sample ID: LCS 880-104570/2-A									Clie	ent	Sample	e ID: Lab C	ontrol S	Sample
Matrix: Solid												Prep	Type: S	Soluble
Analysis Batch: 104584														
			Spike		LCS	LCS						%Rec		
Analyte			Added		Result	Qual	lifier	Unit		D	%Rec	Limits		
Chloride			250		237.9			mg/Kg			95	90 - 110		
Lab Sample ID: LCSD 880-104570/3-A								CI	ient S	am	ple ID:	Lab Contro	ol Samp	le Dup
Matrix: Solid												Prep	Type: S	Soluble
Analysis Batch: 104584														
			Spike		LCSD	LCS	D					%Rec		RPD

239.4

mg/Kg

96

90 - 110

250

Eurofins Carlsbad

Chloride

20

# **QC** Association Summary

Client: CDH Consulting Project/Site: WESTALL LINE RELEASE

5 6

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

# GC VOA

#### Prep Batch: 104555

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7773-1	TOPSOIL	Total/NA	Solid	5035	
890-7773-2	BACKFILL	Total/NA	Solid	5035	
MB 880-104555/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-104555/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-104555/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-7773-1 MS	TOPSOIL	Total/NA	Solid	5035	
890-7773-1 MSD	TOPSOIL	Total/NA	Solid	5035	

#### Analysis Batch: 104558

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
890-7773-1	TOPSOIL	Total/NA	Solid	8021B	104555
890-7773-2	BACKFILL	Total/NA	Solid	8021B	104555
MB 880-104555/5-A	Method Blank	Total/NA	Solid	8021B	104555
LCS 880-104555/1-A	Lab Control Sample	Total/NA	Solid	8021B	104555
LCSD 880-104555/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	104555
890-7773-1 MS	TOPSOIL	Total/NA	Solid	8021B	104555
890-7773-1 MSD	TOPSOIL	Total/NA	Solid	8021B	104555

#### Analysis Batch: 104655

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
890-7773-1	TOPSOIL	Total/NA	Solid	Total BTEX	
890-7773-2	BACKFILL	Total/NA	Solid	Total BTEX	

### GC Semi VOA

#### Analysis Batch: 104413

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
890-7773-1	TOPSOIL	Total/NA	Solid	8015B NM	104524
MB 880-104524/1-A	Method Blank	Total/NA	Solid	8015B NM	104524
LCS 880-104524/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	104524
LCSD 880-104524/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	104524

#### Analysis Batch: 104415

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7773-2	BACKFILL	Total/NA	Solid	8015B NM	104525
MB 880-104525/1-A	Method Blank	Total/NA	Solid	8015B NM	104525
LCS 880-104525/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	104525
LCSD 880-104525/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	104525

#### Prep Batch: 104524

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method P	Prep Batch
890-7773-1	TOPSOIL	Total/NA	Solid	8015NM Prep	
MB 880-104524/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-104524/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-104524/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

#### Prep Batch: 104525

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method Prep Batch
890-7773-2	BACKFILL	Total/NA	Solid	8015NM Prep
MB 880-104525/1-A	Method Blank	Total/NA	Solid	8015NM Prep
LCS 880-104525/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep

# GC Semi VOA (Continued)

## Prep Batch: 104525 (Continued)

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
LCSD 880-104525/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
Analysis Batch: 104	579				
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
	TOPSOIL	Total/NA	Solid	8015 NM	
890-7773-1	TUPSUL	Total/INA	3010		

#### Leach Batch: 104570

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7773-1	TOPSOIL	Soluble	Solid	DI Leach	
890-7773-2	BACKFILL	Soluble	Solid	DI Leach	
MB 880-104570/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-104570/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-104570/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

#### Analysis Batch: 104584

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch	
890-7773-1	TOPSOIL	Soluble	Solid	300.0	104570	
890-7773-2	BACKFILL	Soluble	Solid	300.0	104570	
MB 880-104570/1-A	Method Blank	Soluble	Solid	300.0	104570	
LCS 880-104570/2-A	Lab Control Sample	Soluble	Solid	300.0	104570	
LCSD 880-104570/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	104570	

Job ID: 890-7773-1

SDG: LOCO HILLS

Project/Site: WESTALL LINE RELEASE

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

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

Lab Sample ID: 890-7773-2

Matrix: Solid

Date Collected: 03/04/25 09:32 Date Received: 03/05/25 13:40

**Client Sample ID: TOPSOIL** 

**Client: CDH Consulting** 

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5035			104555	MNR	EET MID	03/05/25 18:00
Total/NA	Analysis	8021B		1	104558	MNR	EET MID	03/06/25 12:02
Total/NA	Analysis	Total BTEX		1	104655	AJ	EET MID	03/06/25 12:02
Total/NA	Analysis	8015 NM		1	104579	AJ	EET MID	03/06/25 02:01
Total/NA	Prep	8015NM Prep			104524	ткс	EET MID	03/05/25 20:25
Total/NA	Analysis	8015B NM		1	104413	ТКС	EET MID	03/06/25 02:01
Soluble	Leach	DI Leach			104570	SA	EET MID	03/06/25 09:35
Soluble	Analysis	300.0		1	104584	СН	EET MID	03/06/25 17:19

#### Client Sample ID: BACKFILL Date Collected: 03/04/25 09:48

# Date Received: 03/05/25 13:40

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5035			104555	MNR	EET MID	03/05/25 18:00
Total/NA	Analysis	8021B		1	104558	MNR	EET MID	03/06/25 12:23
Total/NA	Analysis	Total BTEX		1	104655	AJ	EET MID	03/06/25 12:23
Total/NA	Analysis	8015 NM		1	104579	AJ	EET MID	03/06/25 02:01
Total/NA	Prep	8015NM Prep			104525	TKC	EET MID	03/05/25 20:27
Total/NA	Analysis	8015B NM		1	104415	TKC	EET MID	03/06/25 02:01
Soluble	Leach	DI Leach			104570	SA	EET MID	03/06/25 09:35
Soluble	Analysis	300.0		1	104584	СН	EET MID	03/06/25 17:26

#### Laboratory References:

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

Job ID: 890-7773-1

SDG: LOCO HILLS

Page 263 of 277

10

#### Laboratory: Eurofins Midland

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

uthority	Progra	m	Identification Number	Expiration Date
exas	NELAP	•	T104704400	06-30-25
The following applyte	and included in this report, but	the laboratory is not cortif	ied by the governing authority. This lis	t may include analytes
for which the agency	does not offer certification.			
for which the agency Analysis Method		Matrix	Analyte	
for which the agency	does not offer certification.			

Project/Site: WESTALL LINE RELEASE

**Client: CDH Consulting** 

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

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

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

#### Laboratory References:

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

# Sample Summary

Client: CDH Consulting Project/Site: WESTALL LINE RELEASE Job ID: 890-7773-1 SDG: LOCO HILLS

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-7773-1	TOPSOIL	Solid	03/04/25 09:32		3"-9"
890-7773-2	BACKFILL	Solid	03/04/25 09:48	03/05/25 13:40	2.5'-3'

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

Xenco	EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296 Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199	
		www.xenco.com Page of
Michael L	BILTO: (IT different) C.D.H. CONSULTING	Work Order Comments
Company Name: MW W Devarage	Company Name: Address:	
City, State ZIP:	City, State ZIP.	Reporting: Level III
Phone: 616-970.8459 Email:	NUWICHERE COMENSULACOM	Deliverables: EDD ADaPT Other:
Project Name: INEStall UN Release Turn	Turn Around ANALYSIS REQUEST	UEST Preservative Codes
er:		
Project Location:     LOC HULS     UM     Due Date:       Sampler's Name:     Dateoffect     Locho     TAT starts th that shows the theory of the show th	Due Date: 3/b/2025 TAT starts the dayreceived by the lab, if received by 4:30pm	Cool: Cool MeOH: Me HCL: HC HNO 3: HN H <sub>2</sub> SO 4: H <sub>2</sub> NaOH: Na
PLE RECEIPT Temp Blank:	neters	ен:* оd <sup>е</sup> н
Samples Received Intact: (Ye) No Thermometer ID:	Para Cara	NaHSO 4: NABIS Na 5: 00: Na 50
Yes No NA	20	Zn Acetate+NaOH: Zn
	81	
Sample Identification Matrix Commond Commond	Depth Grab/ # of Second	of Custody Sample Comments
	3", a" C 1 3.5-3° C 1 3.5-3° C 1	
Total         200.7 / 6010         200.8 / 6020:         8RCRA         13P           Circle Method(s) and Metal(s) to be analyzed         TCLP / i         13P         13P	8RCRA 13PPM Texas 11 AI Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K TCLP/SPLP6010 : 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U	1g Mn Mo Ni K Se Ag SiO <sub>2</sub> Na Sr TI Sn U V Zn Se Ag TI U Hg: 1631/245.1/7470 /7471
5: Signature of this document and relinquishment of samples constitutes a valid purchase or vice. Eurofins Xenco will be lable only for the cost of samples and shall not assume any resp ofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$;	Motice: 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, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco, its affiliates and subcontractors. It assigns standard the control of service. Eurofins Xenco, its affiliates and subcontractors 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.	rms and conditions beyond the control less previously negotiated.
Relinquished by: (Signature) Received by: (Signature)	a) $f$ Date/Time Relinquished by: (Signature) $2/ < 1 < 4C_2$	ture) Received by: (Signature) Date/Time
3	2	
	6	

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

#### State, Zip: TX, 79701 Midland 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. Sample Identification - Client ID (Lab ID) NA Carlsbad, NM 88220 Phone: 575-988-3199 Fax: 575-988-3199 Possible Hazard Identification BACKFILL (890-7773-2) NIA WESTALL LINE RELEASE 432-704-5440(Tel) Eurofins Environment Testing South Centr **Eurofins Carlsbad** TOPSOIL (890-7773-1) ų. 1211 W. Florida Ave 1089 N Canal St. shipping/Receiving Client Information (Sub Contract Lab) elinquished by: eliverable Rec roject Name non Custody Seals Intact: ∆ Yes ∆ No elinquished by npty Kit, Re Idress ient Contact: Iconfirmed q Ē Custody Seal No. III, IV, Other (specify) 89000037 SSOW#: N/A N/A Phone N/A Sampler N/A Primary Deliverable Rank: N/A TAT Requested (days): Due Date Requested: 3/6/2025 Date/Time Sample Date roject #: 3/4/25 3/4/25 Chain of Custody Record Date Sample Central Central 09:48 09:32 Time NNA G=grab) (C=comp, Sample Preservation Code: Type G G BT=Tissue, A=Ai Company Company Company O=waste/oil, Matrix W=water, S=solid, Solid Solid E-Mail: Lab PM: Jodi.Allen@et.eurofinsus.com Allen, Jodi L Field Filtered Sample (Yes or No) Time **NELAP - Texas** Accreditations Required (See note) Perform MS/MSD (Yes or No) Sample Disposal ( A fee may be assessed if samples are retained longer than 1 month) Return To Client Disposal By Lab Archive For Mon Special Instructions/QC Requirements Return To Client Received by Received by: 8015MOD\_NM/8015NM\_S\_Prep (MOD) Full TPH Cooler Temperature(S) % and Other Remark: Received by: × × × 8015MOD\_Calc × × × 300\_ORGFM\_28D/DI\_LEACH Chloride 8021B/5035FP\_Calc (MOD) BTEX - LL × × Analysis Requested × × Total\_BTEX\_GCV Texas NIA State of Origin Tracking No(s) of Shipme Date/Time Date/ Date/ I Imi 4 --**Total Number of containers** 🔅 eurofins Page: Page 1 of 1 COC No: 890-4693.1 Other: Preservation Codes: 890-7773-1 Job # 0080 Special Instructions/Note: Company Ver: 10/10/2024 Company Company **Environment Testing** Months

5

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

List Source: Eurofins Carlsbad

# Login Sample Receipt Checklist

Client: CDH Consulting

#### Login Number: 7773 List Number: 1 Creator: Bruns, Shannon

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	

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

List Source: Eurofins Midland

List Creation: 03/06/25 08:49 AM

# Login Sample Receipt Checklist

Client: CDH Consulting

Login Number: 7773 List Number: 2 Creator: Laing, Edmundo

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

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

General Information Phone: (505) 629-6116

Online Phone Directory https://www.emnrd.nm.gov/ocd/contact-us

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

Page 270 of 277

QUESTIONS

Action 442849

QUESTIONS	
Operator:	OGRID:
Dallas, TX 75225	330506
	Action Number:
	442849
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

#### QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2235556172
Incident Name	NAPP2235556172 JACKSON B #029Y @ 30-015-21473
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received
Incident Well	[30-015-21473] JACKSON B #029Y

#### Location of Release Source

Please a	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.	

General Information Phone: (505) 629-6116

Online Phone Directory https://www.emnrd.nm.gov/ocd/contact-us

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

QUESTIONS, Page 2

Action 442849

QUESTIONS	(continued)
QUEUTIONU	

Operator:	OGRID:
MR NM Operating LLC	330506
5950 Berkshire Lane	Action Number:
Dallas, TX 75225	442849
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Γ.

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. ation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of	
	ed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of	
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	

General Information Phone: (505) 629-6116

Online Phone Directory https://www.emnrd.nm.gov/ocd/contact-us

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

**QUESTIONS** (continued)

Operator:	UGRID:
MR NM Operating LLC	330506
5950 Berkshire Lane	Action Number:
Dallas, TX 75225	442849
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

#### QUESTIONS

Site Characterization

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	Attached Document
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release an	nd 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 as	sociated 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 el which includes the anticipated timelines for beginning and completing the remediation.	forts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC,	
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.

QUESTIONS, Page 3

Action 442849

Page 272 of 277

General Information Phone: (505) 629-6116

Online Phone Directory https://www.emnrd.nm.gov/ocd/contact-us

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

Dage	272	£	277
Page	213	OT	211
		~ _	

QUESTIONS, Page 4

Action 442849

QUESTIONS (continued)

Operator:	OGRID:
MR NM Operating LLC	330506
5950 Berkshire Lane	Action Number:
Dallas, TX 75225	442849
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

#### QUESTIONS

Remediation Plan (continued)

Remediation Fian (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]
<b>OR</b> which OCD approved well (API) will be used for <b>off-site</b> disposal	Not answered.
<b>OR</b> is the <b>off-site</b> disposal site, to be used, out-of-state	No
<b>OR</b> is the <b>off-site</b> disposal site, to be used, an NMED facility	No
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	No
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No
Ground Water Abatement pursuant to 19.15.30 NMAC	No
OTHER (Non-listed remedial process)	No
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed ef which includes the anticipated timelines for beginning and completing the remediation.	forts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC,
to report and/or file certain release notifications and perform corrective actions for relea the OCD does not relieve the operator of liability should their operations have failed to a	knowledge and understand that pursuant to OCD rules and regulations all operators are required ases which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface t does not relieve the operator of responsibility for compliance with any other federal, state, or
I hereby agree and sign off to the above statement	Name: 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.

General Information Phone: (505) 629-6116

Online Phone Directory https://www.emnrd.nm.gov/ocd/contact-us

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

QUESTIONS, Page 5

Action 442849

Page 274 of 277

QUESTIONS	(continued)

Operator:	OGRID:
MR NM Operating LLC	330506
5950 Berkshire Lane	Action Number:
Dallas, TX 75225	442849
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of	
Requesting a deferral of the remediation closure due date with the approval of this submission	Νο

General Information Phone: (505) 629-6116

Online Phone Directory https://www.emnrd.nm.gov/ocd/contact-us

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

**QUESTIONS** (continued)

Operator:	OGRID:
MR NM Operating LLC	330506
5950 Berkshire Lane	Action Number:
Dallas, TX 75225	442849
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	415960
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	01/03/2025
What was the (estimated) number of samples that were to be gathered	1
What was the sampling surface area in square feet	200

Remediation Closure Request

Only answer the questions in this group if seeking remediation closure for this release because all re	emediation steps have been completed.
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	9342.9
What was the total volume (cubic yards) remediated	2676
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	0
What was the total volume (in cubic yards) reclaimed	0
Summarize any additional remediation activities not included by answers (above)	See attached Remediation Closure Request.
	losure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of
to report and/or file certain release notifications and perform corrective actions for relea- the OCD does not relieve the operator of liability should their operations have failed to a water, human health or the environment. In addition, OCD acceptance of a C-141 report	showledge and understand that pursuant to OCD rules and regulations all operators are required ses which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface t does not relieve the operator of responsibility for compliance with any other federal, state, or ally restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed ng notification to the OCD when reclamation and re-vegetation are complete. Name: Ginger Fast Title: Consultant Email: gfast@CDHConsult.com

Date: 03/17/2025

QUESTIONS, Page 6

Action 442849

General Information Phone: (505) 629-6116

Online Phone Directory https://www.emnrd.nm.gov/ocd/contact-us

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

QUESTIONS (continued)		
Operator: MR NM Operating LLC	OGRID: 330506	
5950 Berkshire Lane Dallas, TX 75225	Action Number: 442849	
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)	
QUESTIONS		

# Reclamation Report

Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	No

QUESTIONS, Page 7

Action 442849

Page 276 of 277

General Information Phone: (505) 629-6116

Online Phone Directory https://www.emnrd.nm.gov/ocd/contact-us

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

(	COND	<b>ITION</b>	S

Operator:	OGRID:
MR NM Operating LLC	330506
5950 Berkshire Lane	Action Number:
Dallas, TX 75225	442849
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS		
Created By	Condition	Condition Date
scott.rodgers	This Remediation Closure Report is approved. Areas reasonably needed for production or subsequent drilling operations will need to be reclaimed and revegetated as soon as they are no longer reasonably needed. A report for reclamation and revegetation will need to be submitted and approved prior to this incident receiving the final status of "Restoration Complete".	6/16/2025

# CONDITIONS

Page 277 of 277

Action 442849