

Remediation Summary and Site Closure Request

February 28, 2024

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JR Horz Federal Com 006H

NMOCD Reference Number: nAB1721454768

Prepared For:

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1.0 Introduction and Background Information

TRC Environmental Corporation (TRC), on behalf of ConocoPhillips (COP), has prepared this *Remediation Summary and Site Closure Request* for the Release Site known as the JR Horz Federal Com 006H (the Site). The legal description of the Site is Unit Letter "C", Section 10, Township 26 South, Range 29 East, in Eddy County, New Mexico. The subject property is owned by the State of New Mexico and administered by New Mexico State Land Office (NMSLO). The GPS coordinates for the Site are N 32.0633545° W 103.9738846°. A topographic map is provided as **Figure 1**.

On July 28, 2017, COG discovered a produced water release had occurred at the Site. The Release was attributed to a corroded check valve. On the discovery date, COP notified the New Mexico Oil Conservation Division (NMOCD) and New Mexico State Land Office (NMSLO) of the Release. The Release was assigned an NMOCD Reference number of nAB1721454768. On August 1, 2017, the initial Release Notification and Corrective Action (Form C-141) was submitted to the NMOCD. The Form C-141 indicated ten (10) barrels (bbls) of produced water was released. The Release affected an area measuring approximately 10,800 square feet (sq. ft.). The C-141 indicated the impacted area was located in pastureland. The site location is depicted in **Figure 1** and **Figure 2**.

2.0 Site Characterization

A site investigation conducted by BBC on September 27, 2017, indicated depth to groundwater beneath the Release Site is greater than 50 feet below ground surface (bgs). Additionally, a boring at 32.063589, -103.972770 was drilled on August 3, 2020 by Tetra Tech in association with the JR Horz Federal #2 Release Site (NAB1904554978) to confirm depth to water in the area. The boring was drilled to a depth of approximately 55 feet bgs, left open for 72 hours, and gauged dry. The boring confirmed depth to groundwater at the Site was greater than 55 feet bgs, as the boring was located approximately 450 feet southwest of the Site. The groundwater data and boring log are provided as **Appendix C**.

Based on the NMOCD Site Classification criteria, soil analytical data collected during the investigation of the Release Site were compared to Closure Criteria for depth to groundwater 51 to 100 feet bgs. The JR Horz Federal Com 006H is located in the 'medium karst' area as outlined in Bureau of Land Management (BLM) publicly available Karst Potential Map. The Karst Potential Map is provided as **Figure 3**. The NMOCD stance on the regulation of releases in 'medium karst' area is unclear, consequently COP will utilize the most stringent NMOCD Closure Criteria for Soils Impacted by a Release for the JR Horz Federal Com 006H as follows:

- Benzene: 10 mg/kg
- Total Benzene, Toluene, Ethylbenzene, and Xylenes (BTEX): 50 mg/kg
- Total Petroleum Hydrocarbons (TPH): 100 mg/kg
- Chlorides: 600 mg/kg



3.0 Approved Work Plan

On August 9, 2018, a remediation workplan was submitted to the New Mexico Oil Conservation Division (NMOCD) by BBC International, on behalf of COP. Horizontal delineation was established by BBC during the September 2017 investigation. Vertical delineation was established at depths between 1.0 and 25 feet bgs utilizing borehole investigation data collected by BBC. The locations of the vertical and horizontal delineation locations are included in **Figure 4**.

The approved workplan includes:

- Excavation of the areas represented by soil sample locations SP-1 through SP-7 to a depth of four feet bgs. Areas represented by soil sample locations SP-8 through SP-11 did not require remediation.
- Installation of an engineered liner at the base of the excavation as a mitigation control at four feet bgs. The liner was requested due to feasibility and safety concerns a hard and dense rock layer has been documented at approximately four (4) feet bgs. Due to the number and nature of pipelines crossing the Release area, hammering into this dense rock layer would be hazardous to onsite personnel and to the infrastructure itself.
- Collection of five-point composite floor and sidewall samples every 200 square feet to represent the Release Area (consistent with 19.15.29.14. A NMAC). The floor and sidewall samples are to be analyzed for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B, and Chloride by EPA method 300.0.
- Transportation of excavated soils to an NMOCD approved disposal facility.
- Backfill of the excavation with clean "like" material to near original grade.

The NMOCD approved the workplan with no additional stipulations. The approved workplan is provided as **Appendix A**. The Release Notification and Corrective Action (Form C-141) is provided as **Appendix B**.

4.0 Pipeline Site Assessment Activity and Results (July 2023)

In July 2023, prior to initiating soil remediation activities, a hazard inventory of all the onsite pipelines was made. Each of the pipelines identified during the NM811 onecall and subsequent GPR survey were positively located and identified based on hydrovac potholes. The pipelines are each shown on Figures 4 and 5.



Kinder Morgan High Pressure Pipelines

Two (2) high pressure steel 30" pipelines run parallel through the Release site, approximately 15 feet apart. The top of the line is located at approximately 3 feet bgs, and the lines run in a trench cut into the underlying hard rock layer.

Energy Transfer High Pressure Pipeline

One (1) high pressure steel 30" pipeline runs parallel to the two Kinder Morgan lines through the Release site, approximately 30 feet north of the northern Kinder Morgan line. The top of the line is located at approximately 2 feet bgs, and the line runs in a trench cut into the underlying hard rock layer.

Surface Poly Lines

A network of interconnected twelve (12) inch surface poly lines owned by ConocoPhillips bound the spill area, with one line crossing the Release area from a 'Y' junction.

Unidentified Fiberglass Line

During Site characterization activities, an approximately 18 inch fiberglass line was identified. The line was not identified utilizing the NM811 or ground penetrating radar information, and had been identified during remediation of an adjacent Site. The line was located approximately three (3) feet bgs.

Pipeline Communication and Recommendations

Due to the large number of parallel high pressure and hard to locate (fiberglass) line, ConocoPhillips discussed clearance distances with each of the Stakeholders. Kinder Morgan requested that the soil within eighteen inches of their lines be removed utilizing hydrovac. Energy Transfer operations indicated excavation should not occur within 4 feet of their pipeline after potholing for positive location.

As previously discussed in reference to the approved workplan, installation of an engineered liner at the base of the excavation as a mitigation control at four feet bgs was requested due to feasibility and safety concerns – a hard and dense rock layer has been documented at approximately four (4) feet bgs. Due to the number and nature of pipelines crossing the Release area, hammering into this dense rock layer would be hazardous to onsite personnel and to the infrastructure itself.

5.0 Summary of Soil Remediation Activities

On July 11, 2023, soil remediation activities commenced at the Site. An onsite geologist field screened for chloride concentrations to guide the excavation activities in accordance with the NMOCD approved workplan. The Release footprint was excavated to a depth of approximately four (4) ft bgs, and the footprint was laterally extended until chloride field screen results indicated



soils were below NMOCD closure criteria. The excavation was extended to the maximum extent practicable and allowable by each companies representative around the active infrastructure of Kinder Morgan and Energy Transfer buried high pressure pipelines, an unknown owner's fiberglass line, and ConocoPhillips surface lines. The excavation did not advance beyond 4 feet bgs as the base of the excavation was dense rock that could not be removed utilizing an excavator.

Sidewall confirmation soil samples SW-01, SW-02, SW-03, SW-04, SW-05, SW-06, SW-07, SW-08, SW-09, SW-10, SW-11, SW-12 and SW-13 were collected from the lateral extents of the excavation area. Each soil sample was submitted to Xenco Eurofins in Midland, TX for TPH analysis by Method 8015M, BTEX analysis by EPA 8021B, and chloride analysis by Method 300.0.

The analytical results of the sidewall confirmation samples indicated each soil sample exhibited TPH, BTEX, and chloride concentrations below NMOCD regulatory guidelines with the exception of samples representative of SW-04, SW-05, SW-08, SW-09 and SW-10. The areas representative of SW-04, SW-05, SW-08, SW-09 and SW-10 were further laterally excavated laterally to address the elevated chloride concentrations. Confirmation soil samples SW-4A, SW-05A, SW-08A, SW-09A and SW-10A were collected and submitted to Xenco Eurofins in Midland, TX for chloride analysis by Method 300.0. The analytical results indicated each soil sample exhibited chloride concentrations below NMOCD regulatory guidelines. Analytical results are summarized in **Table 1**.

42 floor confirmation five-point composite samples were collected from the base of the excavation on a 200 square foot basis. The analytical results indicated each soil sample exhibited TPH and BTEX concentrations below NMOCD regulatory guidelines. However, chloride concentrations in each submitted floor confirmation soil sample were above NMOCD regulatory guidelines. Analytical results are summarized in **Table 1**. At the base of the excavation, a 20-mil polyethylene liner was installed. The liner was not placed within 3 feet of any pipelines at the request of the affected operators to ensure pooling into their pipeline trenches is unlikely.

Figure 5 depicts the excavation footprint and the associated soil sample locations. All soil was staged on polyvinyl sheeting adjacent to the excavation until it was transported to the R360 Red Bluff facility. Photographic documentation of the remediation activities is provided as **Appendix D** and the laboratory analytical package from the confirmation sampling event is provided as **Appendix E**.

After review of all the analytical results, the excavation was backfilled to grade with commercially sourced backfill material. The site was contoured to near original grade. All excavated soils were transported offsite to the R360 Red Bluff facility.

6.0 Site Closure Request

Remediation activities were conducted in accordance with NMCOD regulatory guidelines. Laboratory analytical results from excavation confirmation soil samples indicated chloride concentrations were below the NMOCD regulatory guidelines in the submitted confirmation



sidewall soil samples. Polyvinyl liners were installed at the base of the excavation to prevent vertical migration of elevated chloride concentrations underlying the Site, in accordance with the NMOCD approved workplan. The affected soil was transported to the R360 Red Bluff facility, and the Site was returned to near original grade with locally sourced backfill material. Based on laboratory analytical results and field activities conducted to date, TRC recommends COP provide copies of this Remediation Summary and Site Closure Request to the NMOCD and request closure status to the JR Horz Federal Com #006H Release Site.

7.0 Limitation

TRC has prepared this Remediation Summary and Site Closure Request to the best of its ability. No other warranty, expressed or implied, is made or intended.

TRC has examined and relied upon documents referenced in the report and has relied on oral statements made by certain individuals. TRC has not conducted an independent examination of the facts contained in referenced materials and statements. We have presumed the genuineness of the documents and that the information provided in documents or statements is true and accurate. TRC has prepared this report, in a professional manner, using the degree of skill and care exercised by similar environmental consultants. TRC also notes that the facts and conditions referenced in this report may change over time and the conclusions and recommendations set forth herein are applicable only to the facts and conditions as described at the time of this report.

This report has been prepared for the benefit of ConocoPhillips. The information contained in this report, including all exhibits and attachments, may not be used by any other party without the express consent of TRC and/or ConocoPhillips.



8.0 Distribution

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JR Horz Federal Com #006H Table 1 - Confirmation Sample Analytical Results

SAMPLE ID	SAMPLE DEPTH (FT)	SAMPLE DATE	Status (In- Situ vs. Excavated)	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethyl- benzene (mg/Kg)	Xylenes, Total (mg/Kg)	Total BTEX (mg/Kg)	Gasoline Range Organics (GRO)-C6-C10 (mg/Kg)	Diesel Range Organics (Over C10-C28) (mg/Kg)	OII Range Organics (Over C28-C36) (mg/Kg)	Total TPH (mg/Kg)	Chloride (mg/Kg)
NMOCD Standards	-	-		5	-	-	-	50	-	-	-	100	600
						Floor Confirn	nation Soil Samp	les					
FL-01 @ 4'	3	7/27/23	In-Situ	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<50.1	<50.1	<50.1	<50.1	8,550
FL-02 @ 4'	3	7/27/23	In-Situ	<0.00201	<0.00201	<0.00201	<0.00402	<0.00400	<50.4	<50.4	<50.4	<50.4	10,300
FL-03 @ 4'	3	7/27/23	In-Situ	<0.00202	<0.00202	<0.00202	<0.00403	<0.00401	<49.8	<49.8	<49.8	<49.8	10,800
FL-04 @ 4'	4	7/27/23	In-Situ	<0.00199	<0.00199	<0.00199	<0.00398	<0.00402	<49.9	<49.9	<49.9	<49.9	11,000
FL-05 @ 4'	4	7/27/23	In-Situ	<0.00198	<0.00198	<0.00198	<0.00396	<0.00403	<49.7	<49.7	<49.7	<49.7	10,400
FL-06 @ 4'	4	7/27/23	In-Situ	<0.00200	<0.00200	<0.00200	<0.00401	<0.00404	<50.4	<50.4	<50.4	<50.4	11,000
FL-07 @ 4'	4	7/27/23	In-Situ	<0.00201	<0.00201	<0.00201	<0.00402	<0.00405	<50.3	<50.3	<50.3	<50.3	11,200
FL-8 @ 4'	4	7/27/23	In-Situ	<0.00200	<0.00200	<0.00200	<0.00399	<0.00406	<50.0	<50.0	<50.0	<50.0	24,000
FL-9 @ 4'	4	7/27/23	In-Situ	<0.00198	<0.00198	<0.00198	<0.00397	<0.00407	<50.0	<50.0	<50.0	<50.0	28,200
FL-10 @ 4'	4	7/27/23	In-Situ	<0.00200	<0.00200	<0.00200	<0.00400	<0.00408	<50.4	<50.4	<50.4	<50.4	10,400
FL-11 @ 4'	4	7/27/23	In-Situ	<0.00199	<0.00199	<0.00199	<0.00398	<0.00409	<50.1	<50.1	<50.1	<50.1	22,200
FL-12 @ 4'	4	7/27/23	In-Situ	<0.00201	<0.00201	<0.00201	<0.00402	<0.00410	<49.8	<49.8	<49.8	<49.8	19,400
FL-13 @ 4'	4	7/27/23	In-Situ	<0.00200	<0.00200	<0.00200	<0.00399	<0.00411	<49.6	<49.6	<49.6	<49.6	26,900
FL-14 @ 4'	4	7/27/23	In-Situ	<0.00201	<0.00201	<0.00201	<0.00402	<0.00412	<50.4	<50.4	<50.4	<50.4	21,300
FL-15 @ 4'	4	7/27/23	In-Situ	<0.00202	<0.00202	<0.00202	<0.00404	<0.00413	<49.9	<49.9	<49.9	<49.9	24,800
FL-16 @ 4'	4	7/27/23	In-Situ	<0.00199	<0.00199	<0.00199	<0.00398	<0.00414	<50.5	<50.5	<50.5	<50.5	24,900
FL-17 @ 4'	4	7/27/23	In-Situ	<0.00200	<0.00200	<0.00200	<0.00399	<0.00415	<50.5	<50.5	<50.5	<50.5	20,500
FL-18 @ 4'	4	7/27/23	In-Situ	<0.00199	<0.00199	<0.00199	<0.00398	<0.00416	<49.7	<49.7	<49.7	<49.7	29,700
FL-19 @ 4'	4	7/27/23	In-Situ	<0.00202	<0.00202	<0.00202	<0.00403	<0.00417	<49.7	<49.7	<49.7	<49.7	23,800
FL-20 @ 4'	4	7/27/23	In-Situ	<0.00200	<0.00200	<0.00200	<0.00401	<0.00418	<50.3	<50.3	<50.3	<50.3	26,200
FL-21 @ 4'	4	7/27/23	In-Situ	<0.00202	<0.00202	<0.00202	<0.00404	<0.00419	<50.5	<50.5	<50.5	<50.5	33,100
FL-22 @ 4'	4	7/27/23	In-Situ	<0.00200	<0.00200	<0.00200	<0.00401	<0.00420	<49.9	<49.9	<49.9	<49.9	25,300
FL-23 @ 4'	4	7/27/23	In-Situ	<0.00199	<0.00199	<0.00199	<0.00398	<0.00421	<49.7	<49.7	<49.7	<49.7	17,700
FL-24 @ 4'	4	7/27/23	In-Situ	<0.00200	<0.00200	<0.00200	<0.00399	<0.00422	<49.6	<49.6	<49.6	<49.6	36,300
FL-25 @ 4'	4	7/27/23	In-Situ	<0.00198	<0.00198	<0.00198	<0.00396	<0.00423	<50.3	<50.3	<50.3	<50.3	26,100
FL-26 @ 4'	4	7/27/23	In-Situ	<0.00201	<0.00201	<0.00201	<0.00402	<0.00424	<49.8	<49.8	<49.8	<49.8	19,200
FL-27 @ 4'	4	7/27/23	In-Situ	<0.00202	<0.00202	<0.00202	<0.00404	<0.00425	<49.7	<49.7	<49.7	<49.7	33,000
FL-28 @ 4'	4	7/27/23	In-Situ	<0.00200	<0.00200	<0.00200	<0.00401	<0.00426	<49.6	<49.6	<49.6	<49.6	21,700
FL-29 @ 4'	4	7/27/23	In-Situ	<0.00200	<0.00200	<0.00200	<0.00399	<0.00427	<50.4	<50.4	<50.4	<50.4	26,000
FL-30 @ 4'	4	7/27/23	In-Situ	<0.00198	<0.00198	<0.00198	<0.00397	<0.00428	<50.3	<50.3	<50.3	<50.3	12,300
FL-31 @ 4'	4	7/27/23	In-Situ	<0.00201	<0.00201	<0.00201	<0.00402	<0.00429	<50.3	<50.3	<50.3	<50.3	27,600
FL-32 @ 4'	4	7/27/23	In-Situ	<0.00202	<0.00202	<0.00202	<0.00403	<0.00430	<50.1	<50.1	<50.1	<50.1	33,200
FL-33 @ 4'	4	7/27/23	In-Situ	<0.00199	<0.00199	<0.00199	<0.00398	<0.00431	<49.8	<49.8	<49.8	<49.8	24,300
FL-34 @ 4'	4	7/27/23	In-Situ	<0.00200	<0.00200	<0.00200	<0.00399	<0.00432	<49.9	<49.9	<49.9	<49.9	37,600
FL-35 @ 4'	4	7/27/23	In-Situ	<0.00200	<0.00200	<0.00200	<0.00400	<0.00433	<50.0	<50.0	<50.0	<50.0	12,300
FL-36 @ 4'	4	7/27/23	In-Situ	<0.00199	<0.00199	<0.00199	<0.00398	<0.00434	<49.9	<49.9	<49.9	<49.9	11,700
FL-37 @ 4'	4	7/31/23	In-Situ	<0.00198	<0.00198	<0.00198	< 0.00396	<0.00396	<50.3	<50.3	<50.3	<50.3	12,100
FL-38 @ 4'	4	7/31/23	In-Situ	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	<50.2	<50.2	<50.2	<50.2	8,500
FL-39 @ 4'	4	7/31/23	In-Situ	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<50.1	<50.1	<50.1	<50.1	15,000
FL-40 @ 4'	4	7/31/23	In-Situ	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	<50.0	<50.0	<50.0	<50.0	16,600
FL-41 @ 4'	4	7/31/23	In-Situ	<0.00201	<0.00201	<0.00201	<0.00390	<0.00330	<49.8	<49.8	<49.8	<49.8	12,000
FL-42 @ 4'	4	7/31/23	In-Situ	<0.00201	<0.00201	<0.00201	<0.00401	<0.00401	<49.7	<49.7	<49.7	<49.7	13,100

JR Horz Federal Com #006H Table 1 - Confirmation Sample Analytical Results

SAMPLE ID	SAMPLE DEPTH (FT)	SAMPLE DATE	Status (In- Situ vs. Excavated)	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethyl- benzene (mg/Kg)	Xylenes, Total (mg/Kg)	Total BTEX (mg/Kg)	Gasoline Range Organics (GRO)-C6-C10 (mg/Kg)	Diesel Range Organics (Over C10-C28) (mg/Kg)	OII Range Organics (Over C28-C36) (mg/Kg)	Total TPH (mg/Kg)	Chloride (mg/Kg)
NMOCD Standards	-	-		5	-	-	-	50	-	-	-	100	600
						Sidewall Confir	mation Soil Sam	ples					
SW-01		7/13/23	In-Situ	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<49.9	<49.9	<49.9	<49.9	564
SW-02		7/13/23	In-Situ	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<50.3	<50.3	<50.3	<50.3	172
SW-03		7/26/23	In-Situ	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	<50.2	<50.2	<50.2	<50.2	388
SW-04		7/26/23	Excavated	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<50.1	<50.1	<50.1	<50.1	10,600
SW-4a		7/31/23	In-Situ	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<50.1	<50.1	<50.1	<50.1	167
SW-05		7/26/23	Excavated	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<50.2	<50.2	<50.2	<50.2	4,880
SW-05A		10/10/23	In-Situ										102
SW-06		7/26/23	In-Situ	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	<50.0	<50.0	<50.0	<50.0	114
SW-07		7/31/23	In-Situ	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	<49.9	<49.9	<49.9	<49.9	81.3
SW-08		7/26/23	Excavated	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<49.7	<49.7	<49.7	<49.7	1,560
SW-8A		10/10/23	In-Situ		-								250
SW-09		7/26/23	Excavated	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	<50.5	<50.5	<50.5	<50.5	1,540
SW-09A		10/10/23	In-Situ										74.9
SW-10		7/26/23	Excavated	<0.00200	0.00630	<0.00200	<0.00401	0.00630	<50.5	51.2	<50.5	51.2	1,220
SW-10A		10/10/23	In-Situ										54.9
SW-11		7/26/23	In-Situ	<0.00199	0.00331	<0.00199	<0.00398	<0.00398	<49.8	<49.8	<49.8	<49.8	431
SW-12		7/26/23	In-Situ	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<50.2	<50.2	<50.2	<50.2	367
SW-13		7/31/23	In-Situ	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<49.7	<49.7	<49.7	<49.7	118

Definitions

X Analyte analytical result exceeds NMOCD regulatory guideline.

X Analyte detected above the detection limit at a concentration equal to X.

Analyte not detected at detection limit equal to x.

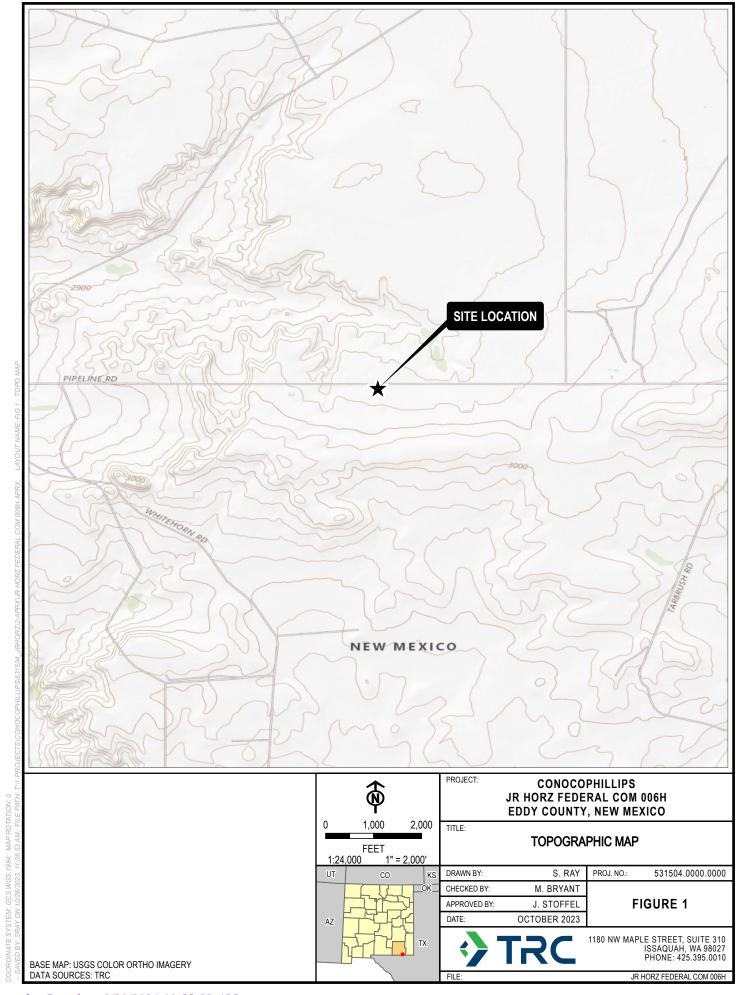
Abbreviations

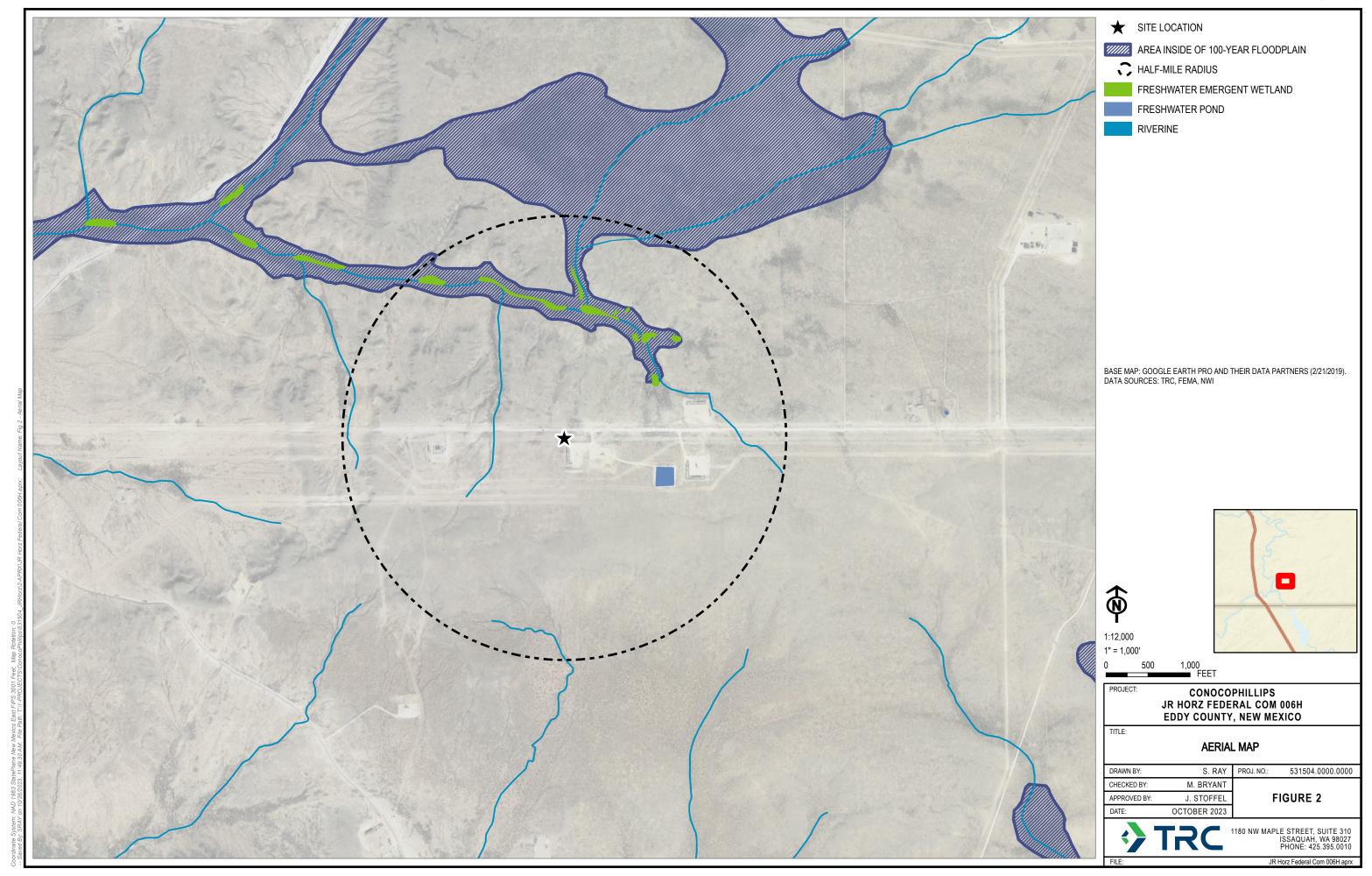
<x

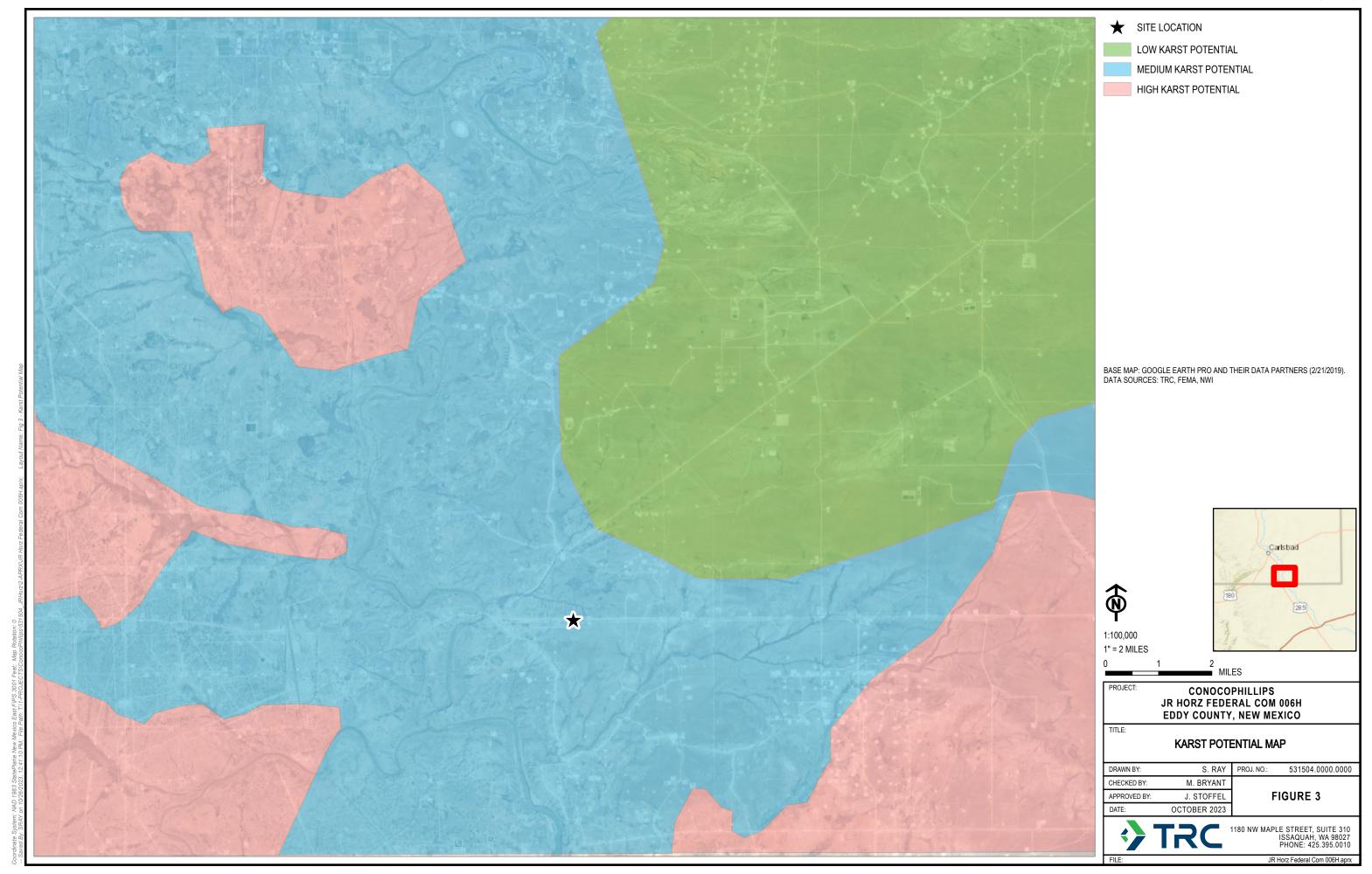
FT Feet

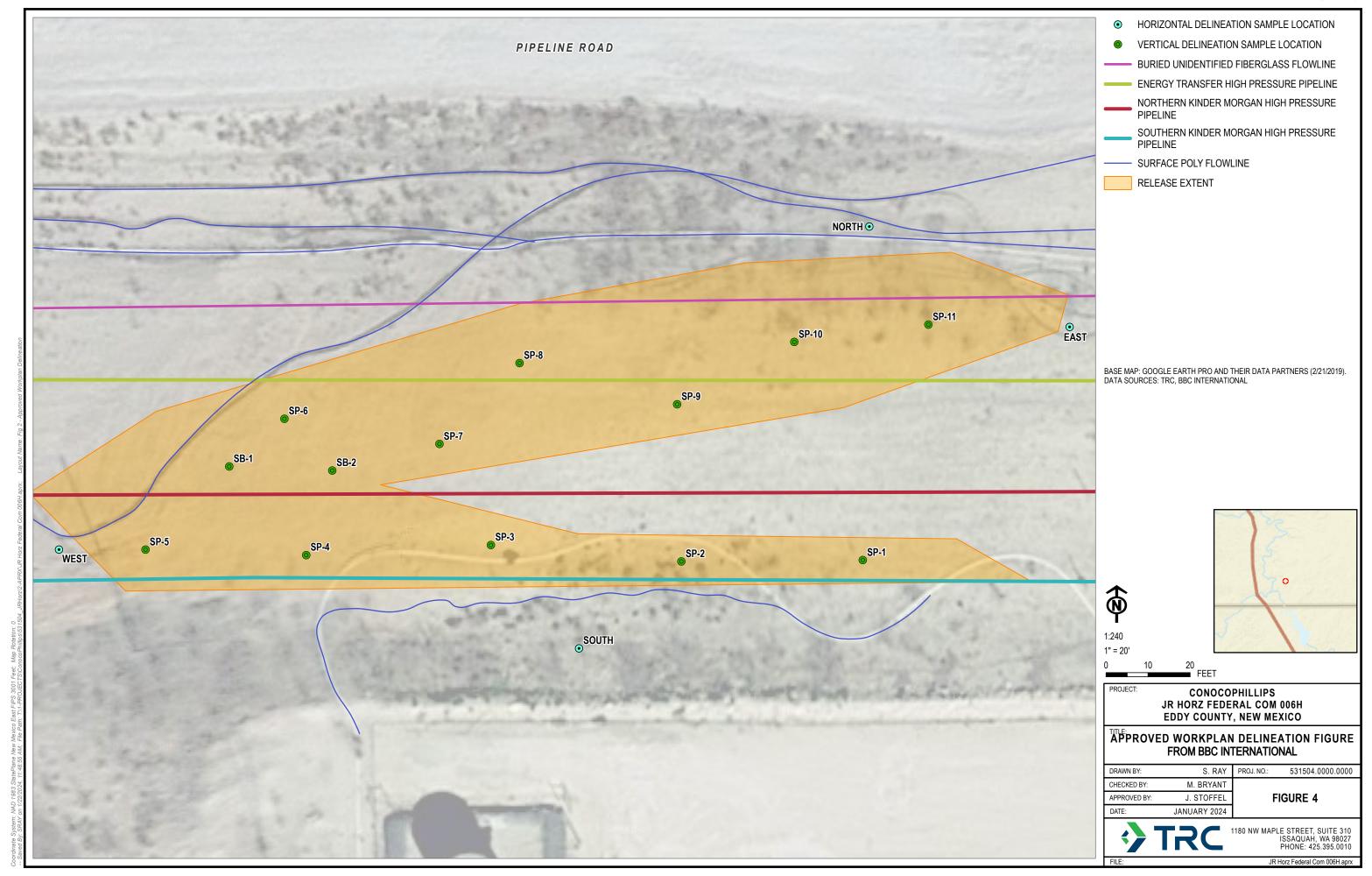
mg/Kg Milligrams per Kilogram
TPH Total Petroleum Hydrocarbon

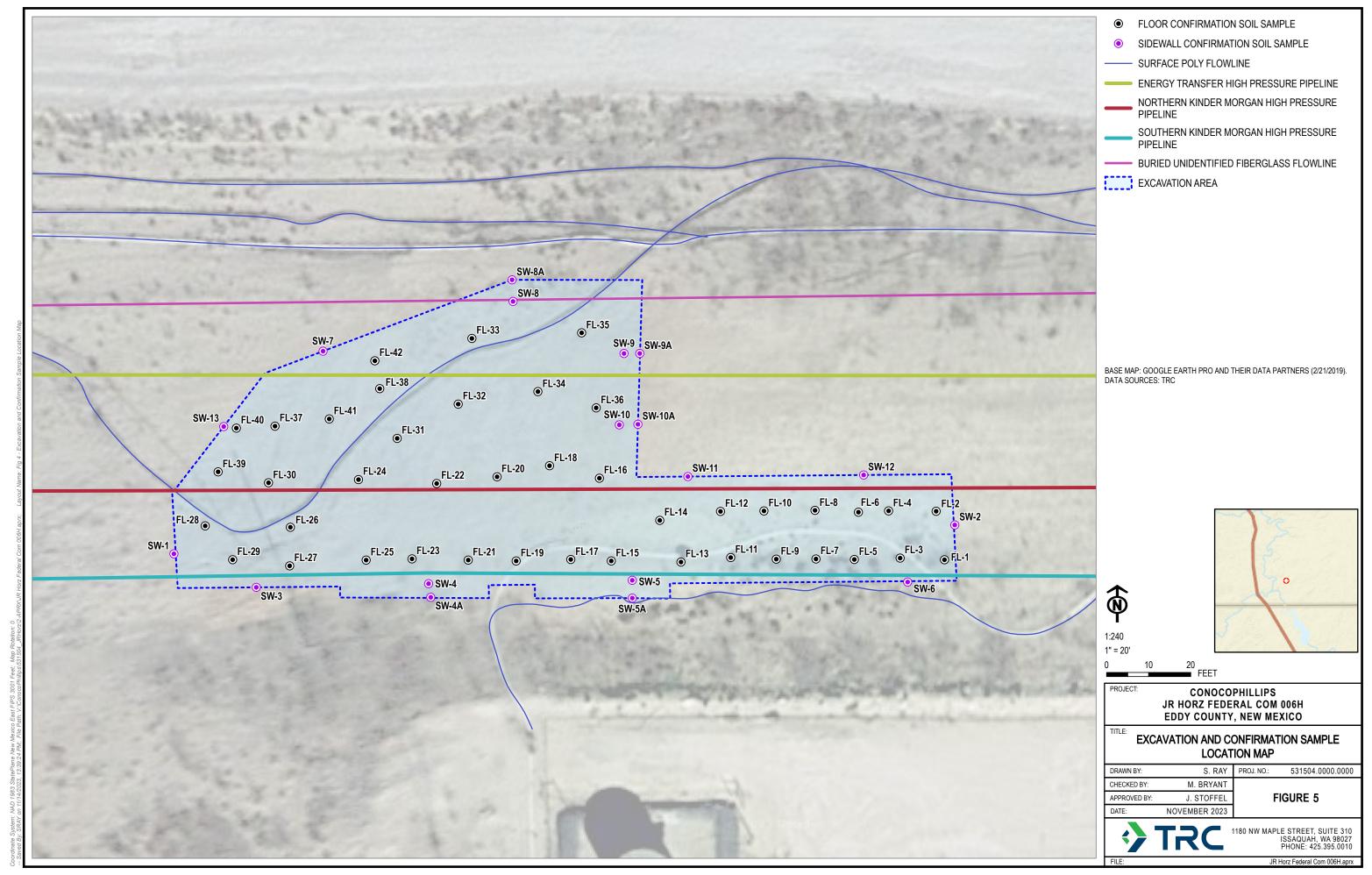
BTEX Benzene, Toluene, Ethylbenzene, and Xylenes
NMOCD New Mexico Oil Conservation District













Appendix A: NMOCD Approved Workplan - Appendix Removed



PHONE (575) 397-6388 • FAX (575) 397-0397 • 1324 W. MARLAND • P.O. BOX 805 • HOBBS, NM 88241-0805 E-MAIL: cbrunson@bbcinternational.com

DELINEATION WORKPLAN

COG – JR'S HORZ FED COM #006H (Leak Date: 7/28/17)

> RP # 2RP-4312 API # 30-015-37904

This delineation workplan and remediation proposal addresses the release associated with RP # 2RP-4312.

The following information includes:

- 1. Scaled digital site map with spill area demarcated and leak point identified along with sample point locations and areas of remediation at appropriate depths.
- 2. GPS information for sample points and sample methodology
- 3. Depth to groundwater information (i.e., pdf of OSE search results and/or copy of Chevron groundwater trend map).
- 4. Laboratory analysis results summary table and original laboratory analysis reports
- 5. A copy of the initial C-141
- 6. Potentially other pertinent information as necessary for site specific purposes.

Based on the information included in this package and the NMOCD guidelines, the following remediation is proposed:

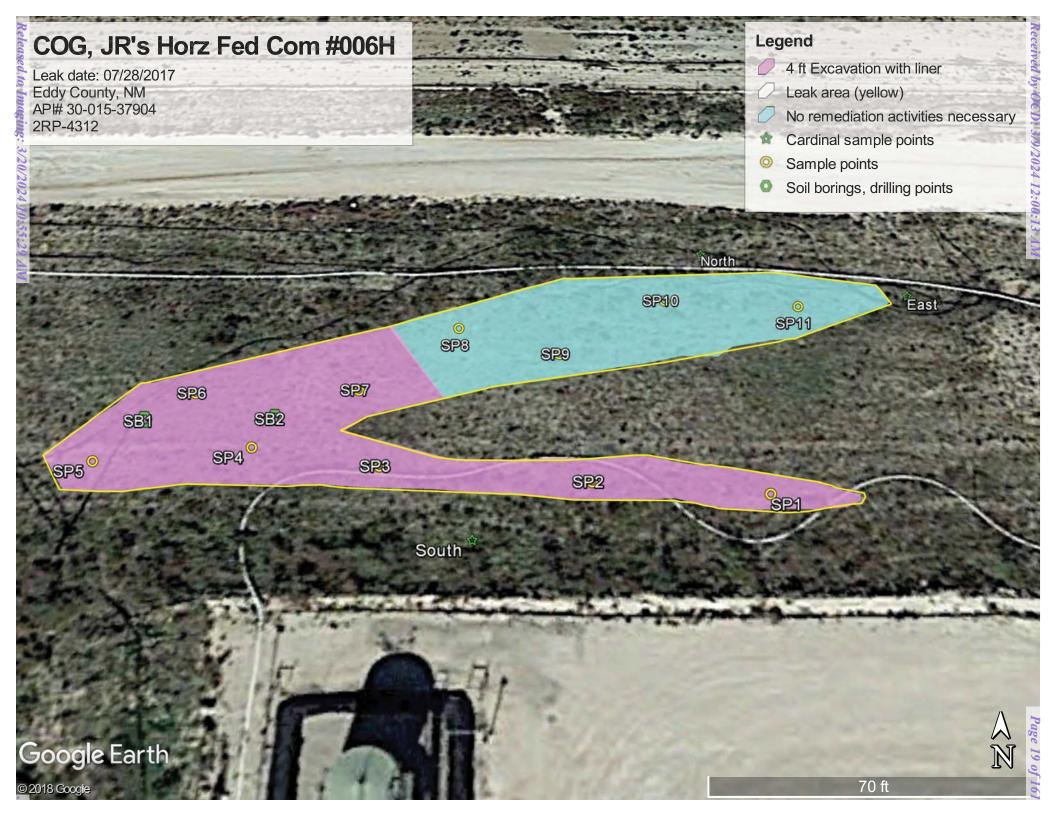
COG will excavate the spill area as depicted on the following site diagram. The leak area near SP1 – SP7 (pink shade on diagram) will be excavated to a depth of 4 feet with an impermeable liner placed in the bottom of the excavation.

COG will make every effort to achieve the target depth of 4 feet, however, previous delineation efforts have shown a very hard rock layer to exist at about 2 feet. In the instance that excavator refusal is encountered prior to 4 feet, COG will notify and discuss with the NMOCD and BLM of the difficulties and a path forward.

The leak area near SP8 – SP11 (blue shade on diagram) will require zero remediation.

The entire site will then be backfilled with clean soil and revegetated (if warranted) to the standards of the appropriate regulatory agency or private surface owner.

All excavated materials will be disposed of at an NMOCD-approved disposal facility.



COG, JR's Horz Fed Com #006H

Samples, hand auger

SP1, N 32.06385 W-103.97393

SP2, N 32.06386 W-103.97408

SP3, N 32.06387 W-103.97425

SP4, N 32.06389 W-103.97436

SP5, N 32.06388 W-103.97449

SP6, N 32.06394 W-103.97442

SP7, N 32.06394 W-103.97428

SP8, N 32.06400 W-103.97419

SP9, N 32.06398 W-103.97410

SP10, N 32.06403 W-103.97400

SP11, N 32.06402 W-103.97388

NORTH, N 32.06408 W-103.97396

SOUTH, N 32.06381 W-103.97417

EAST, N 32.06404 W-103.97378

WEST, N 32.06388 W-103.97457

Soil borings, drilling

SB1, N 32.06391 W-103.97446

SB2, N 32.06391 W-103.97434



Appendix B: Release Notification and Corrective Action (Form C-141)

NM OIL CONSERVATION

ARTESIA DISTRICT

AUG 0 1 2017

Form C-141 Revised August 8, 2011

Short February of appropriate District Office in accordance with 19.15.29 NMAC.

<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 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

Energy Minerals and Natural Resources Oil Conservation Division

1220 South St. Francis Dr. Santa Fe, NM 87505

State of New Mexico

Release Notification and Corrective Action

NAB 1721454768	OPERATOR								
Name of Company: COG Operating LLC 209137	Contact: Robert McNeill								
Address: 600 West Illinois Avenue, Midland TX 79701	Telephone No. 432-230-0077								
Facility Name: JR'S HORZ FEDERAL COM #006H Facility Type: Battery									
Surface Owner: Federal Mineral Owner:	: Federal	API No. 30-015-37904							
LOCATION OF RELEASE									
		/West Line County							
C 10 26S 29E 330'	North 1980'	West Eddy							
Latitude 32.0633545 Longitude -103.9738846									
NATURE OF RELEASE									
Type of Release: Produced Water	Volume of Release: 10 bbls PW	Volume Recovered: 0 bbls PW							
Source of Release:	Date and Hour of Occurrence:	Date and Hour of Discovery:							
Fittings/Connections	7/28/2017 3:00 PM	7/28/2017 3:00 PM							
Was Immediate Notice Given? ☐ Yes ☐ No ☐ Not Required	If YES, To Whom?	Ì							
By Whom? Dakota Neel	Date and Hour:								
Was a Watercourse Reached?	If YES, Volume Impacting the Wa	itercourse.							
☐ Yes ⊠ No		1							
If a Watercourse was Impacted, Describe Fully.*									
Describe Cause of Problem and Remedial Action Taken.*	namanian. The about only a box box so								
This release was caused when a hole developed on a check valve from c Describe Area Affected and Cleanup Action Taken *	corrosion. The check valve has been re	placed with a plastic coated valve.							
Describe Area Affected and Cleanup Action Taken.* This release occurred at the facility and impacted the pasture adjacent to the location. Concho will have the spill site inspected to determine if any possible contamination occurred from the release and we will present a remediation work plan to the NMOCD for approval prior to any significant remediation work.									
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD 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 NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD 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.									
	OIL CONSER	VATION DIVISION							
Dadox Par		11							
Signature:	Approved by Environ Bental & Beautiful Branches								
Printed Name: Dakota Neel	Digital y	1111 Drawness							
Title: HSE Coordinator	Approval Date: 8 2 17	Expiration Date: NA							
E-mail Address: dneel2@concho.com	Conditions of Approval:	, Attached							
Date: 8/1/2017 Phone: 575-746-2010	See att	1 check							
Attach Additional Sheets If Necessary		2RP-4312							

Operator/Responsible Party,

The OCD has received the form C-141 you provided on 8/1/2017 regarding an unauthorized release. The information contained on that form has been entered into our incident database and remediation case number 2RP-4312 has been assigned. Please refer to this case number in all future correspondence.

It is the Division's obligation under both the Oil & Gas Act and Water Quality Act to provide for the protection of public health and the environment. Our regulations (19.15.29.11 NMAC) state the following,

The responsible person shall complete <u>division-approved corrective action</u> for releases that endanger public health or the environment. The responsible person shall address releases in accordance with a remediation plan submitted to and approved by the division or with an abatement plan submitted in accordance with 19.15.30 NMAC. [emphasis added]

Release characterization is the first phase of corrective action unless the release is ongoing or is of limited volume and all impacts can be immediately addressed. Proper and cost-effective remediation typically cannot occur without adequate characterization of the impacts of any release. Furthermore, the Division has the ability to impose reasonable conditions upon the efforts it oversees. As such, the Division is requiring a workplan for the characterization of impacts associated with this release be submitted to the OCD District $\frac{2}{2}$ office in $\frac{ARTESIA}{ARTESIA}$ on or before $\frac{9/1/17}{2}$. If and when the release characterization workplan is approved, there will be an associated deadline for submittal of the resultant investigation report. Modest extensions of time to these deadlines may be granted, but only with acceptable justification.

The goals of a characterization effort are: 1) determination of the lateral and vertical extents along with the magnitude of soil contamination. 2) determine if groundwater or surface waters have been impacted. 3) If groundwater or surface waters have been impacted, what are the extents and magnitude of that impact. 4) The characterization of any other adverse impacts that may have occurred (examples: impacts on vegetation, impacts on wildlife, air quality, loss of use of property, etc.). To meet these goals as quickly as possible, the following items must, at a minimum, be addressed in the release characterization workplan and subsequent reporting:

- Horizontal delineation of soil impacts in each of the four cardinal compass directions. Adsorbed soil contamination must be characterized for the following constituents using the associated laboratory methods: benzene, toluene, ethylbenzene, and total xylenes by either Method 8260 or 8021, total petroleum hydrocarbons by Method 8015 extended range (GRO+DRO+MRO; C₆ thru C₃₆), and for chloride by Method 300. This is not an exclusive list of potential contaminants. Analyzed parameters should be modified based on the nature of the released substance(s). Soil sampling must be both within the impacted area and beyond.
- Vertical delineation of soil impacts. Adsorbed soil contamination must be characterized for the following constituents using the associated laboratory methods: benzene, toluene, ethylbenzene, and total xylenes by either Method 8260 or 8021, total petroleum hydrocarbons by Method 8015 extended range (GRO+DRO+MRO; C₆ thru C₃₆), and for chloride by Method 300. As above, this is not an exclusive list of potential contaminants and can be modified. Vertical characterization samples should be taken at depth intervals no greater than five feet apart. Lithologic description of encountered soils must also be provided. At least ten vertical feet of soils with contaminant concentrations at or below these values must be demonstrated as existing above the water table.
- Nominal detection limits for field and laboratory analyses must be provided.
- Composite sampling is not generally allowed.
- Field screening and assessment techniques are acceptable (headspace, titration, EC [include algorithm for validation purposes], EM, etc.), but the sampling and assay procedures must be clearly defined. Copies of field notes are highly desirable. A statistically significant set of split samples must be submitted for confirmatory laboratory analysis, including the laterally farthest and vertically deepest sets of soil samples. Make sure there are at least two soil samples submitted

for laboratory analysis from each borehole or test pit (highest observed contamination and deepest depth investigated). Copies of the actual laboratory results must be provided including chain of custody documentation.

- •Probable depth to shallowest protectable groundwater and lateral distance to nearest surface water. If there is an estimate of groundwater depth, the information used to arrive at that estimate must be provided. If there is a reasonable assumption that the depth to protectable water is 50 feet or less, the responsible party should anticipate the need for at least one groundwater monitoring well to be installed in the area of likely maximum contamination.
- If groundwater contamination is encountered, an additional investigation workplan may be required to determine the extents of that contamination. Groundwater and/or surface water samples, if any, must be analyzed by a competent laboratory for volatile organic hydrocarbons (typically Method 8260 full list), total dissolved solids, pH, major anions and cations including chloride and sulfate, dissolved iron, and dissolved manganese. The investigation workplan must provide the groundwater sampling method(s) and sample handling protocols. To the fullest extent possible, aqueous analyses must be undertaken using nominal method detection limits. As with the soil analyses, copies of the actual laboratory results must be provided including chain of custody documentation.
- Accurately scaled and well-drafted site maps must be provided providing the location of borings, test pits, monitoring
 wells, potentially impacted areas, and significant surface features including roads and site infrastructure that might limit
 either the release characterization or remedial efforts. Field sketches may be included in subsequent reporting, but should
 not be considered stand-alone documentation of the site's layout. Digital photographic documentation of the location
 and fieldwork is recommended, especially if unusual circumstances are encountered.

Nothing herein should be interpreted to preclude emergency response actions or to imply immediate remediation by removal cannot proceed as warranted. Nonetheless, characterization of impacts and confirmation of the effectiveness of remedial efforts must still be provided to the OCD before any release incident will be closed.

Jim Griswold

OCD Environmental Bureau Chief
1220 South St. Francis Drive
Santa Fe, New Mexico 87505
505-476-3465
jim.griswold@state.nm.us



Appendix C: Groundwater Database Results and DTW Confirmation Boring Log



New Mexico Office of the State Engineer Water Column/Average Depth to Water

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

No records found.

UTMNAD83 Radius Search (in meters):

Easting (X): 596869 **Northing (Y):** 3547817 Radius: 1700

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data

9/6/17 4:29 PM

WATER COLUMN/ AVERAGE DEPTH TO WATER

212C-MD-01739	TE TETR	RATECH	LOG OF BORING GDB	Page 1 of 1						
Project Name: JR Horz Federal #2										
Borehole LocationGPS Coordinate: 32.063589, -103.972770 Surface Elevation: 2989 ft										
Borehole Number:	GDB	Boro Diar	rehole meter (in.): Date Started: 8/3/2020 Date Finished	: 8/3/2020						
GI:D	opm) ERY (%) ENT (%)	, X	WATER LEVEL OBSERVATIONS While Drilling □ DRY ft Upon Completion of Drilling □ DI Remarks:	RY_ft						
DEPTH (ft) OPERATION TYPE SAMPLE CHLORIDE FIELD SCREENING (DDM)	<u> </u>	DRY DENSITY (pcf) LIQUID LIMIT PLASTICITY INDEX MINUS NO. 200 (%)	MATERIAL DESCRIPTION (a) DEPTH (b) DEPTH (c)	REMARKS						
5		**************************************	-SM- CALICHE: White, stiff, dry, moderately cemented							
10 10 15 15 15 15 15 15			-SM- SAND: Light brown, medium dense to dense, dry, fine to medium grained, with occasional Caliche layers -SM- SAND: Brown, medium dense, dry, fine to medium grained, with occasional Caliche layers							
35 			-SM- CALICHE: White, dense, dry, moderately cemented, with occasional Sand pockets							
	Bottom of borehole at 55.0 feet.									
Sampler Types: Split Spoon Shelby Vane Shear Bulk Sample Sample Sample Test Pit Discrete Sample Test Pit Direct Push Rotary Core Barrel Driller: Scarborough Driller: Scarborough Drilling Sample Direct Push Rotary Rotary										



Appendix D: Photographic Documentation

Photographic Documentation

Photograph No. 1

Date:

2/6/2023

Direction:

West

Description:

View of impacted

area.



Photograph No. 2

Date:

2/6/2023

Direction:

West

Description:

View of impacted

area.



Photographic Documentation

Photograph No. 3
Date:

Date.

7/26/2023

Direction:

West

Description:

View of excavation area.



Photograph No. 4 Date:

7/27/2023

Direction: Southeast

Description: View excavation area.



Photographic Documentation

Photograph No. 5 7/27/2023

Direction: Southwest

Description:
View of stockpiled soil.



Photograph No. 6
Date:

10/11/2023

Direction: West

Description: View of liner installation.



Photographic Documentation

Photograph No. 7

Date:

10/11/2023

Direction:

West

Description:

View of liner installation.



Photograph No. 8

Date:

10/11/2023

Direction:

North

Description:

View of liner

installation.



Photographic Documentation

Photograph No. 9

Date:

10/13/2023

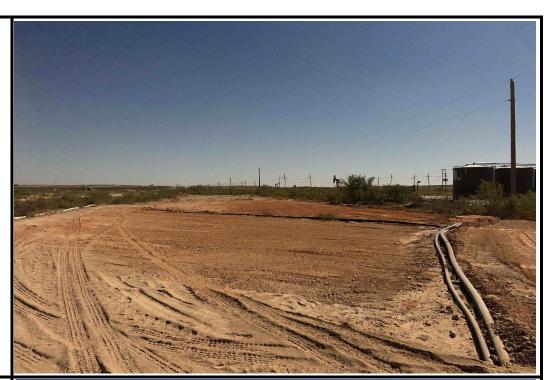
Direction:

Southeast

Description:

View of backfilled

area.



Photograph No. 10

Date:

10/13/2023

Direction:

East

Description:

View of backfilled

area.



Photographic Documentation

Photograph No. 11

Date:

10/13/2023

Direction:

Southeast

Description:

View backfilled

area.



Photograph No. 12

Date:

10/13/2023

Direction:

West

Description:

View of backfilled

area.





Appendix E: Laboratory Analytical Reports

Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Jared Stoffel TRC Solutions, Inc. 10 Desta Drive Suite #130E Midland, Texas 79705

Generated 8/4/2023 10:00:53 AM

JOB DESCRIPTION

COP JR Horz Federal Com #006H

JOB NUMBER

880-31496-1

Eurofins Midland 1211 W. Florida Ave Midland TX 79701

Eurofins Midland

Job Notes

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

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

Authorization

Generated 8/4/2023 10:00:53 AM

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

Eurofins Midland is a laboratory within Eurofins Environment Testing South Central, LLC, a company within Eurofins Environment Testing Group of Companies Page 2 of 25 8/4/2023 Released to Imaging: 3/20/2024 10:55:29 AM

Client: TRC Solutions, Inc.
Project/Site: COP JR Horz Federal Com #006H

Laboratory Job ID: 880-31496-1

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Sample Summary	23
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8

10

11

13

Definitions/Glossary

Client: TRC Solutions, Inc. Job ID: 880-31496-1

Project/Site: COP JR Horz Federal Com #006H

Qualifiers

GC VOA Qualifier **Qualifier Description**

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

GC Semi VOA

Qualifier **Qualifier Description**

F1 MS and/or MSD recovery exceeds control limits. S1+ Surrogate recovery exceeds control limits, high biased. 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 Colony Forming Unit **CFU** 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)

EPA recommended "Maximum Contaminant Level" MCL MDA Minimum Detectable Activity (Radiochemistry) MDC Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit MI 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

Practical Quantitation Limit PQL

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)

Too Numerous To Count **TNTC**

Case Narrative

Client: TRC Solutions, Inc.

Job ID: 880-31496-1 Project/Site: COP JR Horz Federal Com #006H

Job ID: 880-31496-1

Laboratory: Eurofins Midland

Narrative

Job Narrative 880-31496-1

Receipt

The samples were received on 8/1/2023 1:42 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.0°C

Receipt Exceptions

The following samples analyzed for method <TPH 8015> were received and analyzed from an unpreserved bulk soil jar.

GC VOA

Method 8021B: The matrix spike (MS) recoveries for preparation batch 880-59182 and analytical batch 880-59174 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

GC Semi VOA

Method 8015MOD NM: The continuing calibration verification (CCV) associated with batch 880-59067 recovered above the upper control limit for Gasoline Range Organics (GRO)-C6-C10. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: (CCV 880-59067/20) and (CCV 880-59067/31).

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (MB 880-59046/1-A). Evidence of matrix interferences is not obvious.

Method 8015MOD NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-59173 and analytical batch 880-59168 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

HPLC/IC

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

Client: TRC Solutions, Inc.

Job ID: 880-31496-1

Project/Site: COP JR Horz Federal Com #006H

Client Sample ID: SW-4A Lab Sample ID: 880-31496-1

Date Collected: 07/31/23 13:00 Matrix: Solid

Date Received: 08/01/23 13:42

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00200	U	0.00200	mg/Kg		08/03/23 09:13	08/03/23 12:12	
Toluene	<0.00200	U	0.00200	mg/Kg		08/03/23 09:13	08/03/23 12:12	
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		08/03/23 09:13	08/03/23 12:12	
m-Xylene & p-Xylene	<0.00399	U F1	0.00399	mg/Kg		08/03/23 09:13	08/03/23 12:12	
o-Xylene	<0.00200	U F1	0.00200	mg/Kg		08/03/23 09:13	08/03/23 12:12	
Xylenes, Total	<0.00399	U F1	0.00399	mg/Kg		08/03/23 09:13	08/03/23 12:12	•
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	90		70 - 130			08/03/23 09:13	08/03/23 12:12	
1,4-Difluorobenzene (Surr)	105		70 - 130			08/03/23 09:13	08/03/23 12:12	
Method: TAL SOP Total BTEX	(- Total BTE	X Calculat	ion					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00399	U	0.00399	mg/Kg			08/03/23 20:36	•
Method: SW846 8015 NM - Di	esel Range (Organics (DRO) (GC)					
Analyte	_	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
								D u.
Total TPH	<50.1	U	50.1	mg/Kg			08/03/23 21:18	
				mg/Kg				
Method: SW846 8015B NM - [Diesel Range			mg/Kg Unit		Prepared		
Method: SW846 8015B NM - I Analyte Gasoline Range Organics	Diesel Range	Organics Qualifier	(DRO) (GC)		<u>D</u>	Prepared 08/03/23 08:35	08/03/23 21:18	
Method: SW846 8015B NM - I Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Diesel Range Result	Organics Qualifier	(DRO) (GC)	Unit	<u>D</u>	08/03/23 08:35	08/03/23 21:18 Analyzed	Dil Fac
Method: SW846 8015B NM - I Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Diesel Range Result <50.1	Organics Qualifier U	(DRO) (GC) RL 50.1	Unit mg/Kg	<u>D</u>	08/03/23 08:35 08/03/23 08:35	08/03/23 21:18 Analyzed 08/03/23 16:02	Dil Fa
Method: SW846 8015B NM - I Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Diesel Range Result <50.1	Organics Qualifier U	(DRO) (GC) RL 50.1	Unit mg/Kg mg/Kg	<u>D</u>	08/03/23 08:35 08/03/23 08:35	08/03/23 21:18 Analyzed 08/03/23 16:02 08/03/23 16:02	Dil Fac
Method: SW846 8015B NM - I Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Name	Organics Qualifier U	(DRO) (GC) RL 50.1 50.1	Unit mg/Kg mg/Kg	<u>D</u>	08/03/23 08:35 08/03/23 08:35 08/03/23 08:35	08/03/23 21:18 Analyzed 08/03/23 16:02 08/03/23 16:02 08/03/23 16:02	Dil Fac
Method: SW846 8015B NM - I Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	Name	Organics Qualifier U	(DRO) (GC) RL 50.1 50.1 Limits	Unit mg/Kg mg/Kg	<u>D</u>	08/03/23 08:35 08/03/23 08:35 08/03/23 08:35 Prepared 08/03/23 08:35	08/03/23 21:18 Analyzed 08/03/23 16:02 08/03/23 16:02 08/03/23 16:02 Analyzed	Dil Fa
Method: SW846 8015B NM - I Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	Name	Qualifier U U Qualifier	(DRO) (GC) RL 50.1 50.1 50.1 Limits 70 - 130 70 - 130	Unit mg/Kg mg/Kg	<u>D</u>	08/03/23 08:35 08/03/23 08:35 08/03/23 08:35 Prepared 08/03/23 08:35	08/03/23 21:18 Analyzed 08/03/23 16:02 08/03/23 16:02 08/03/23 16:02 Analyzed 08/03/23 16:02	Dil Fa
Method: SW846 8015B NM - I Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl Method: EPA 300.0 - Anions, Analyte	Name	Qualifier U U Qualifier	(DRO) (GC) RL 50.1 50.1 50.1 Limits 70 - 130 70 - 130	Unit mg/Kg mg/Kg		08/03/23 08:35 08/03/23 08:35 08/03/23 08:35 Prepared 08/03/23 08:35	08/03/23 21:18 Analyzed 08/03/23 16:02 08/03/23 16:02 08/03/23 16:02 Analyzed 08/03/23 16:02	Dil Fa

Client Sample ID: SW-7

Date Collected: 07/31/23 13:05

Lab Sample ID: 880-31496-2

Matrix: Solid

Date Received: 08/01/23 13:42

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		08/02/23 08:20	08/02/23 13:54	1
Toluene	<0.00198	U	0.00198	mg/Kg		08/02/23 08:20	08/02/23 13:54	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		08/02/23 08:20	08/02/23 13:54	1
m-Xylene & p-Xylene	<0.00397	U	0.00397	mg/Kg		08/02/23 08:20	08/02/23 13:54	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		08/02/23 08:20	08/02/23 13:54	1
Xylenes, Total	<0.00397	U	0.00397	mg/Kg		08/02/23 08:20	08/02/23 13:54	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130			08/02/23 08:20	08/02/23 13:54	1
1,4-Difluorobenzene (Surr)	88		70 - 130			08/02/23 08:20	08/02/23 13:54	1

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Client: TRC Solutions, Inc.

Job ID: 880-31496-1

Project/Site: COP JR Horz Federal Com #006H

Client Sample ID: SW-7 Lab Sample ID: 880-31496-2

Date Collected: 07/31/23 13:05

Date Received: 08/01/23 13:42

Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397	mg/Kg			08/02/23 16:22	1
Method: SW846 8015 NM - Di	esel Range (Organics (DRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			08/02/23 19:38	1
		g	1-::-/ (/					
Method: SW846 8015B NM - I	Diesel Range	e Organics	(DRO) (GC)					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	Result <49.9		RL 49.9	Unit mg/Kg	<u>D</u>	Prepared 08/01/23 17:08		Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg	<u>D</u>	08/01/23 17:08	08/02/23 17:54	Dil Fac
Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over		U			<u>D</u>		08/02/23 17:54	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg	<u>D</u>	08/01/23 17:08	08/02/23 17:54 08/02/23 17:54	1 1 1
Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	<49.9 <49.9	U U U	49.9	mg/Kg	<u>D</u>	08/01/23 17:08 08/01/23 17:08	08/02/23 17:54 08/02/23 17:54	1 1
Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	<49.9 <49.9 <49.9	U U U	49.9 49.9 49.9	mg/Kg	<u>D</u>	08/01/23 17:08 08/01/23 17:08 08/01/23 17:08	08/02/23 17:54 08/02/23 17:54 08/02/23 17:54 Analyzed	Dil Fac 1 1 Dil Fac Dil Fac

Method: EPA 300.0 - Anions, Ion Chromatography - SolubleAnalyteResultQualifierRLUnitDPreparedAnalyzedDil FacChloride81.35.00mg/Kg08/01/23 21:531

Client Sample ID: SW-13

Date Collected: 07/31/23 13:10

Lab Sample ID: 880-31496-3

Matrix: Solid

Date Received: 08/01/23 13:42

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00199	U	0.00199	mg/Kg		08/02/23 08:20	08/02/23 14:15	
Toluene	< 0.00199	U	0.00199	mg/Kg		08/02/23 08:20	08/02/23 14:15	
Ethylbenzene	< 0.00199	U	0.00199	mg/Kg		08/02/23 08:20	08/02/23 14:15	
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		08/02/23 08:20	08/02/23 14:15	
o-Xylene	< 0.00199	U	0.00199	mg/Kg		08/02/23 08:20	08/02/23 14:15	
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		08/02/23 08:20	08/02/23 14:15	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	78		70 - 130			08/02/23 08:20	08/02/23 14:15	
4.4.0:0								
						08/02/23 08:20		
Method: TAL SOP Total BT Analyte Total BTEX	ΓEX - Total BTE	Qualifier		Unit mg/Kg	<u>D</u>	08/02/23 08:20 Prepared	Analyzed 08/02/23 16:22	Dil Fa
Method: TAL SOP Total BT Analyte Total BTEX	TEX - Total BTE Result <0.00398	Qualifier U	ion RL 0.00398		<u>D</u>		Analyzed	Dil Fa
Method: TAL SOP Total BT Analyte Total BTEX Method: SW846 8015 NM -	TEX - Total BTE Result <0.00398 Diesel Range	Qualifier U	ion RL 0.00398		<u>D</u>		Analyzed	Dil Fa
Method: TAL SOP Total BT Analyte Total BTEX Method: SW846 8015 NM - Analyte	TEX - Total BTE Result <0.00398 Diesel Range	Qualifier U Organics (Qualifier	RL 0.00398	mg/Kg		Prepared	Analyzed 08/02/23 16:22	
Method: TAL SOP Total BT Analyte	TEX - Total BTE Result <0.00398 Diesel Range (Result <49.7	Qualifier U Organics (Qualifier U	DRO) (GC) RL 49.7	mg/Kg Unit		Prepared	Analyzed 08/02/23 16:22 Analyzed	
Method: TAL SOP Total BT Analyte Total BTEX Method: SW846 8015 NM - Analyte Total TPH Method: SW846 8015B NM	TEX - Total BTE Result <0.00398 Diesel Range Result <49.7 I - Diesel Range	Qualifier U Organics (Qualifier U	DRO) (GC) RL 49.7	mg/Kg Unit		Prepared	Analyzed 08/02/23 16:22 Analyzed	Dil Fa
Method: TAL SOP Total BT Analyte Total BTEX Method: SW846 8015 NM - Analyte Total TPH	TEX - Total BTE Result <0.00398 Diesel Range Result <49.7 I - Diesel Range	Qualifier U Organics (Qualifier U Organics Qualifier U	DRO) (GC) RL 49.7	mg/Kg Unit mg/Kg	<u>D</u>	Prepared Prepared	Analyzed 08/02/23 16:22 Analyzed 08/02/23 19:38	

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Client Sample Results

Client: TRC Solutions, Inc.

Job ID: 880-31496-1

Project/Site: COP JR Horz Federal Com #006H

Client Sample ID: SW-13 Lab Sample ID: 880-31496-3

Date Collected: 07/31/23 13:10

Date Received: 08/01/23 13:42

Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<49.7	U	49.7	mg/Kg		08/01/23 17:08	08/02/23 18:16	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130			08/01/23 17:08	08/02/23 18:16	1
o-Terphenyl	83		70 - 130			08/01/23 17:08	08/02/23 18:16	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
	Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Chloride	118		5.00	mg/Kg			08/01/23 21:58	1

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Surrogate Summary

Client: TRC Solutions, Inc.

Job ID: 880-31496-1

Project/Site: COP JR Horz Federal Com #006H

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

		BFB1	DFBZ1	
Lab Sample ID	Client Sample ID	(70-130)	70-130)	
880-31495-A-1-H MS	Matrix Spike	114	117	
880-31495-A-1-I MSD	Matrix Spike Duplicate	114	120	
880-31496-1	SW-4A	90	105	
880-31496-1 MS	SW-4A	95	104	
880-31496-1 MSD	SW-4A	95	104	
880-31496-2	SW-7	105	88	
880-31496-3	SW-13	78	72	
_CS 880-59071/1-A	Lab Control Sample	106	120	
LCS 880-59182/1-A	Lab Control Sample	96	100	
LCSD 880-59071/2-A	Lab Control Sample Dup	117	122	
LCSD 880-59182/2-A	Lab Control Sample Dup	104	102	
MB 880-59071/5-A	Method Blank	68 S1-	85	
MB 880-59182/5-A	Method Blank	82	91	

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid Prep Type: Total/NA

			Perce	nt Surrogate Recovery (Acceptance Limits)
		1CO1	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-31496-1	SW-4A	79	81	
880-31496-2	SW-7	104	85	
880-31496-3	SW-13	103	83	
890-5010-A-1-H MS	Matrix Spike	114	86	
890-5010-A-1-I MSD	Matrix Spike Duplicate	118	88	
890-5017-A-5-E MS	Matrix Spike	84	78	
890-5017-A-5-F MSD	Matrix Spike Duplicate	84	78	
LCS 880-59046/2-A	Lab Control Sample	87	86	
LCS 880-59173/2-A	Lab Control Sample	104	92	
LCSD 880-59046/3-A	Lab Control Sample Dup	86	83	
LCSD 880-59173/3-A	Lab Control Sample Dup	88	82	
MB 880-59046/1-A	Method Blank	191 S1+	160 S1+	
MB 880-59173/1-A	Method Blank	105	115	

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

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Client: TRC Solutions, Inc. Job ID: 880-31496-1

Project/Site: COP JR Horz Federal Com #006H

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-59071/5-A

Matrix: Solid

Analysis Batch: 59073

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 59071

	MB I	MB						
Analyte	Result 0	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200 U	J	0.00200	mg/Kg		08/02/23 08:20	08/02/23 11:30	1
Toluene	<0.00200 L	J	0.00200	mg/Kg		08/02/23 08:20	08/02/23 11:30	1
Ethylbenzene	<0.00200 L	J	0.00200	mg/Kg		08/02/23 08:20	08/02/23 11:30	1
m-Xylene & p-Xylene	<0.00400 L	j	0.00400	mg/Kg		08/02/23 08:20	08/02/23 11:30	1
o-Xylene	<0.00200 L	J	0.00200	mg/Kg		08/02/23 08:20	08/02/23 11:30	1
Xylenes, Total	<0.00400 L	J	0.00400	mg/Kg		08/02/23 08:20	08/02/23 11:30	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	68	S1-	70 - 130	08/02/23 08:20	08/02/23 11:30	1
1,4-Difluorobenzene (Surr)	85		70 - 130	08/02/23 08:20	08/02/23 11:30	1

Lab Sample ID: LCS 880-59071/1-A

Matrix: Solid

Analysis Batch: 59073

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 59071

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.1196		mg/Kg		120	70 - 130	
Toluene	0.100	0.1033		mg/Kg		103	70 - 130	
Ethylbenzene	0.100	0.1080		mg/Kg		108	70 - 130	
m-Xylene & p-Xylene	0.200	0.2268		mg/Kg		113	70 - 130	
o-Xylene	0.100	0.1092		mg/Kg		109	70 - 130	

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	120		70 - 130

Lab Sample ID: LCSD 880-59071/2-A

Matrix: Solid

Analysis Batch: 59073

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA Prep Batch: 59071

LCSD LCSD Spike %Rec **RPD** Analyte Added Result Qualifier Unit %Rec Limits **RPD** Limit Benzene 0.100 0.1261 mg/Kg 126 70 - 130 5 35 Toluene 0.100 0.1090 mg/Kg 109 70 - 130 5 35 Ethylbenzene 0.100 0.1213 mg/Kg 121 70 - 130 12 35 0.200 m-Xylene & p-Xylene 0.2582 mg/Kg 129 70 - 130 13 35 0.100 0.1244 mg/Kg 124 70 - 130 35 o-Xylene

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	117		70 - 130
1.4-Difluorobenzene (Surr)	122		70 - 130

Lab Sample ID: 880-31495-A-1-H MS

Matrix: Solid

Analysis Batch: 59073

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

Prep Batch: 59071

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00198	U	0.0996	0.1150		mg/Kg		115	70 - 130	
Toluene	<0.00198	U	0.0996	0.09609		mg/Kg		96	70 - 130	

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QC Sample Results

Client: TRC Solutions, Inc. Job ID: 880-31496-1

Project/Site: COP JR Horz Federal Com #006H

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

Lab Sample ID: 880-31495-A-1-H MS **Matrix: Solid**

Lab Sample ID: 880-31495-A-1-I MSD

Analysis Batch: 59073

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

Prep Batch: 59071

MS MS %Rec Sample Sample Spike Analyte **Result Qualifier** Added Result Qualifier Unit %Rec Limits Ethylbenzene <0.00198 U 0.0996 0.1090 mg/Kg 109 70 - 130 m-Xylene & p-Xylene <0.00396 U 0.199 0.2277 mg/Kg 114 70 - 130 o-Xylene <0.00198 U 0.0996 0.1104 mg/Kg 111 70 - 130

MS MS

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	114		70 - 130
1,4-Difluorobenzene (Surr)	117		70 - 130

Client Sample ID: Matrix Spike Duplicate

Matrix: Solid

Analysis Batch: 59073

Prep Type: Total/NA

Prep Batch: 59071 **RPD**

Sample Sample Spike MSD MSD %Rec Analyte Result Qualifier Added Result Qualifier Unit D %Rec Limits RPD Limit 0.0998 70 - 130 Benzene <0.00198 U 0.1285 mg/Kg 129 35 11 Toluene <0.00198 U 0.0998 0.1049 105 70 - 130 35 mg/Kg 0.0998 Ethylbenzene <0.00198 U 0.1161 mg/Kg 116 70 - 130 6 35 m-Xylene & p-Xylene <0.00396 U 0.200 0.2434 mg/Kg 122 70 - 130 35 <0.00198 U 0.0998 0.1172 70 - 130 o-Xylene mg/Kg 117 6

MSD MSD

Surrogate	%Recovery Qua	lifier Limits
4-Bromofluorobenzene (Surr)	114	70 - 130
1,4-Difluorobenzene (Surr)	120	70 - 130

Lab Sample ID: MB 880-59182/5-A

Matrix: Solid

Analysis Batch: 59174

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

Prep Batch: 59182

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		08/03/23 09:13	08/03/23 11:50	1
Toluene	<0.00200	U	0.00200	mg/Kg		08/03/23 09:13	08/03/23 11:50	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		08/03/23 09:13	08/03/23 11:50	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		08/03/23 09:13	08/03/23 11:50	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		08/03/23 09:13	08/03/23 11:50	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		08/03/23 09:13	08/03/23 11:50	1

MB MB

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared And	alyzed	Dil Fac
4-Bromofluorobenzene (Surr)	82		70 - 130	08/03/23 09:13 08/03	/23 11:50	1
1,4-Difluorobenzene (Surr)	91		70 - 130	08/03/23 09:13 08/03	/23 11:50	1

Lab Sample ID: LCS 880-59182/1-A

Matrix: Solid

Analysis Batch: 59174

Client Sample ID: Lab Control Sample Prep Type: Total/NA Prep Batch: 59182

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.08841		mg/Kg		88	70 - 130	
Toluene	0.100	0.09644		mg/Kg		96	70 - 130	
Ethylbenzene	0.100	0.08934		mg/Kg		89	70 - 130	
m-Xylene & p-Xylene	0.200	0.1700		mg/Kg		85	70 - 130	

QC Sample Results

Client: TRC Solutions, Inc. Job ID: 880-31496-1

Project/Site: COP JR Horz Federal Com #006H

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

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Lab Sample ID: LCS 880-59182/1-A **Matrix: Solid**

Analysis Batch: 59174

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

Prep Batch: 59182

LCS LCS Spike Analyte Added Result Qualifier Unit %Rec Limits o-Xylene 0 100 0.08597 mg/Kg 86

70 - 130

%Rec

LCS LCS Surrogate %Recovery Qualifier Limits 4-Bromofluorobenzene (Surr) 96 70 - 130 70 - 130

Lab Sample ID: LCSD 880-59182/2-A

Matrix: Solid

Analysis Batch: 59174

1,4-Difluorobenzene (Surr)

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA Prep Batch: 59182

LCSD LCSD **RPD** Spike %Rec Analyte Added Result Qualifier Unit D %Rec Limits RPD Limit Benzene 0.100 0.09240 mg/Kg 92 70 - 130 4 35 35

Toluene 0.100 0.1045 mg/Kg 105 70 - 130 8 Ethylbenzene 0.100 0.09817 mg/Kg 98 70 - 130 9 m-Xylene & p-Xylene 0.200 0.1889 mg/Kg 94 70 - 130 10 0.100 0.09563 o-Xylene mg/Kg 96 70 - 130 11

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: 880-31496-1 MS Client Sample ID: SW-4A **Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 59174 Prep Batch: 59182

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00200	U	0.0996	0.07922		mg/Kg	_	80	70 - 130	
Toluene	<0.00200	U	0.0996	0.08392		mg/Kg		84	70 - 130	
Ethylbenzene	<0.00200	U	0.0996	0.07352		mg/Kg		74	70 - 130	
m-Xylene & p-Xylene	<0.00399	U F1	0.199	0.1374	F1	mg/Kg		69	70 - 130	
o-Xylene	<0.00200	U F1	0.0996	0.06904	F1	mg/Kg		69	70 - 130	

MS MS

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	95		70 - 130
1 4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: 880-31496-1 MSD

Matrix: Solid

Analysis Batch: 59174

Client Sample ID: SW-4A Prep Type: Total/NA

Prep Batch: 59182

Analysis Batom 00114									I I CP L	outon. v	,
-	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00200	U	0.0994	0.08703		mg/Kg		88	70 - 130	9	35
Toluene	<0.00200	U	0.0994	0.09139		mg/Kg		92	70 - 130	9	35
Ethylbenzene	<0.00200	U	0.0994	0.07975		mg/Kg		80	70 - 130	8	35
m-Xylene & p-Xylene	<0.00399	U F1	0.199	0.1491		mg/Kg		75	70 - 130	8	35
o-Xylene	<0.00200	U F1	0.0994	0.07562		mg/Kg		76	70 - 130	9	35

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Lab Sample ID: 880-31496-1 MSD

Client: TRC Solutions, Inc. Job ID: 880-31496-1

Project/Site: COP JR Horz Federal Com #006H

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

MSD MSD

Matrix: Solid

Analysis Batch: 59174

Client Sample ID: SW-4A Prep Type: Total/NA

Prep Batch: 59182

%Recovery Qualifier Surrogate

Limits 4-Bromofluorobenzene (Surr) 95 70 - 130 1,4-Difluorobenzene (Surr) 104 70 - 130

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

Lab Sample ID: MB 880-59046/1-A

Matrix: Solid

Analysis Batch: 59067

Gasoline Range Organics

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 59046

MB MB

Analyte

Result Qualifier RL Unit Prepared Analyzed 08/01/23 17:07 08/02/23 07:42 <50.0 U 50.0 mg/Kg

(GRO)-C6-C10 Diesel Range Organics (Over <50.0 U 50.0 mg/Kg 08/01/23 17:07 08/02/23 07:42 C10-C28) Oll Range Organics (Over C28-C36) 08/01/23 17:07 08/02/23 07:42 <50.0 U 50.0 mg/Kg

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	191	S1+	70 - 130	08/01/23 17:07	08/02/23 07:42	1
o-Terphenyl	160	S1+	70 - 130	08/01/23 17:07	08/02/23 07:42	1

Lab Sample ID: LCS 880-59046/2-A

Matrix: Solid

Analysis Batch: 59067

Client Sample ID: Lab Control Sample Prep Type: Total/NA Prep Batch: 59046 Spike LCS LCS %Rec

Added Result Qualifier Limits Analyte Unit D %Rec Gasoline Range Organics 1000 868.8 mg/Kg 87 70 - 130 (GRO)-C6-C10 1000 823.5 Diesel Range Organics (Over mg/Kg 82 70 - 130

C10-C28)

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	87		70 - 130
o-Terphenyl	86		70 - 130

Lab Sample ID: LCSD 880-59046/3-A

Matrix: Solid

Analysis Batch: 59067

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA Prep Batch: 59046

Spike LCSD LCSD %Rec **RPD** Analyte Added Result Qualifier Unit %Rec Limits **RPD** Limit Gasoline Range Organics 1000 899.6 mg/Kg 90 70 - 130 20 (GRO)-C6-C10 Diesel Range Organics (Over 1000 778.5 mg/Kg 78 70 - 130 20

C10-C28)

LCSD LCSD

Surrogate	%Recovery Qualifier	Limits
1-Chlorooctane	86	70 - 130
o-Terphenyl	83	70 - 130

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Dil Fac

Released to Imaging: 3/20/2024 10:55:29 AM

Prep Type: Total/NA

Prep Type: Total/NA

Client Sample ID: Matrix Spike Duplicate

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample

Client: TRC Solutions, Inc. Job ID: 880-31496-1

Project/Site: COP JR Horz Federal Com #006H

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

Lab Sample ID: 890-5010-A-1-H MS **Client Sample ID: Matrix Spike**

Matrix: Solid

Analysis Batch: 59067									Prep E	Batch: 5904
	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	<50.3	U	1010	1179		mg/Kg		115	70 - 130	
(GRO)-C6-C10										
Diesel Range Organics (Over	<50.3	U	1010	1037		mg/Kg		101	70 - 130	

C10-C28)

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	114		70 - 130
o-Terphenyl	86		70 - 130

Lab Sample ID: 890-5010-A-1-I MSD

Matrix: Solid

Analysis Batch: 59067									Prep E	Batch: 5	59046
	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	<50.3	U	1010	1222		mg/Kg		119	70 - 130	4	20
Diesel Range Organics (Over C10-C28)	<50.3	U	1010	1069		mg/Kg		104	70 - 130	3	20

MSD MSD Surrogate %Recovery Qualifier Limits 1-Chlorooctane 118 70 - 130 o-Terphenyl 88 70 - 130

Lab Sample ID: MB 880-59173/1-A

Matrix: Solid							Prep Type: 1	otal/NA
Analysis Batch: 59168							Prep Batch	n: 59173
-	MB	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac

Analyte	Result	Qualifier	RL	Unit	D Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0	mg/Kg	08/03/23 07:00	08/03/23 07:58	1
(GRO)-C6-C10 Diesel Range Organics (Over	<50.0	U	50.0	mg/Kg	08/03/23 07:00	08/03/23 07:58	1
C10-C28) Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg	08/03/23 07:00	08/03/23 07:58	1

	MB	МВ				
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130	08/03/23 07:00	08/03/23 07:58	1
o-Terphenyl	115		70 - 130	08/03/23 07:00	08/03/23 07:58	1

Lab Sample ID: LCS 880-59173/2-A

Matrix: Solid							•	Prep Ty	pe: Total/NA
Analysis Batch: 59168								Prep I	Batch: 59173
		Spike	LCS	LCS				%Rec	
Analyte		Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	·	1000	758.0		mg/Kg		76	70 - 130	
(GRO)-C6-C10									
Diesel Range Organics (Over		1000	903.1		mg/Kg		90	70 - 130	
C10-C28)									

Client: TRC Solutions, Inc. Job ID: 880-31496-1

Project/Site: COP JR Horz Federal Com #006H

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

Lab Sample ID: LCS 880-59173/2-A **Matrix: Solid**

Analysis Batch: 59168

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 59173

LCS LCS %Recovery Qualifier Surrogate

Limits 1-Chlorooctane 104 70 - 130 o-Terphenyl 92 70 - 130

Client Sample ID: Lab Control Sample Dup Lab Sample ID: LCSD 880-59173/3-A

Matrix: Solid

Analysis Batch: 59168

Prep Type: Total/NA

Prep Batch: 59173

LCSD LCSD RPD %Rec Spike Analyte Added Result Qualifier Unit %Rec Limits RPD Limit Gasoline Range Organics 1000 727.3 mg/Kg 73 70 - 130 4 20 (GRO)-C6-C10 Diesel Range Organics (Over 1000 850.8 mg/Kg 85 70 - 130 6 20

C10-C28)

LCSD LCSD Surrogate %Recovery Qualifier Limits 1-Chlorooctane 70 - 130 88 70 - 130 o-Terphenyl 82

Lab Sample ID: 890-5017-A-5-E MS

Matrix: Solid

Analysis Batch: 59168

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 59173

Sample Sample Spike MS MS %Rec Result Qualifier Added Result Qualifier Limits Analyte Unit D %Rec <49.8 UF1 685.9 F1 Gasoline Range Organics 996 mg/Kg 64 70 - 130 (GRO)-C6-C10 996 Diesel Range Organics (Over 2580 F1 2899 F1 mg/Kg 32 70 - 130 C10-C28)

MS MS Surrogate %Recovery Qualifier Limits 1-Chlorooctane 70 - 130 84 o-Terphenyl 78 70 - 130

Lab Sample ID: 890-5017-A-5-F MSD

Matrix: Solid

Analysis Batch: 59168

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 59173 %Rec **RPD**

Sample Sample Spike MSD MSD Result Qualifier Added Result Qualifier Limits **RPD** Limit **Analyte** Unit %Rec Gasoline Range Organics <49.8 U F1 996 674.0 F1 63 70 - 130 2 20 mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over 2580 F1 996 2914 F1 mg/Kg 33 70 - 130 20

C10-C28)

MSD MSD

%Recovery Qualifier Limits Surrogate 1-Chlorooctane 84 70 - 130 o-Terphenyl 78 70 - 130

Client: TRC Solutions, Inc. Job ID: 880-31496-1

Project/Site: COP JR Horz Federal Com #006H

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-59016/1-A **Client Sample ID: Method Blank Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 59040

	MB	MB							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	<5.00	U	5.00	ma/Ka			08/01/23 19:49	1	

Lab Sample ID: LCS 880-59016/2-A **Client Sample ID: Lab Control Sample Matrix: Solid Prep Type: Soluble**

Analysis Batch: 59040

		Spike	LCS	LCS				%Rec	
Analyte		Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	 	250	239.0		mg/Kg		96	90 - 110	

Client Sample ID: Lab Control Sample Dup Lab Sample ID: LCSD 880-59016/3-A **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 59040

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	250	240.0		mg/Kg		96	90 - 110	0	20

Lab Sample ID: 820-9452-A-1-D MS Client Sample ID: Matrix Spike Prep Type: Soluble **Matrix: Solid**

Analysis Batch: 59040

-	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	102		251	361.4		mg/Kg		103	90 - 110	

Lab Sample ID: 820-9452-A-1-E MSD Client Sample ID: Matrix Spike Duplicate **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 59040

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	102		251	361.9		mg/Kg		104	90 - 110	0	20

QC Association Summary

Client: TRC Solutions, Inc. Job ID: 880-31496-1

Project/Site: COP JR Horz Federal Com #006H

GC VOA

Prep Batch: 59071

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31496-2	SW-7	Total/NA	Solid	5035	
880-31496-3	SW-13	Total/NA	Solid	5035	
MB 880-59071/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-59071/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-59071/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-31495-A-1-H MS	Matrix Spike	Total/NA	Solid	5035	
880-31495-A-1-I MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 59073

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31496-2	SW-7	Total/NA	Solid	8021B	59071
880-31496-3	SW-13	Total/NA	Solid	8021B	59071
MB 880-59071/5-A	Method Blank	Total/NA	Solid	8021B	59071
LCS 880-59071/1-A	Lab Control Sample	Total/NA	Solid	8021B	59071
LCSD 880-59071/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	59071
880-31495-A-1-H MS	Matrix Spike	Total/NA	Solid	8021B	59071
880-31495-A-1-I MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	59071

Analysis Batch: 59146

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31496-1	SW-4A	Total/NA	Solid	Total BTEX	
880-31496-2	SW-7	Total/NA	Solid	Total BTEX	
880-31496-3	SW-13	Total/NA	Solid	Total BTEX	

Analysis Batch: 59174

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31496-1	SW-4A	Total/NA	Solid	8021B	59182
MB 880-59182/5-A	Method Blank	Total/NA	Solid	8021B	59182
LCS 880-59182/1-A	Lab Control Sample	Total/NA	Solid	8021B	59182
LCSD 880-59182/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	59182
880-31496-1 MS	SW-4A	Total/NA	Solid	8021B	59182
880-31496-1 MSD	SW-4A	Total/NA	Solid	8021B	59182

Prep Batch: 59182

Lab Sample ID 880-31496-1	Client Sample ID SW-4A	Prep Type Total/NA	Matrix Solid	Method 5035	Prep Batch
MB 880-59182/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-59182/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-59182/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-31496-1 MS	SW-4A	Total/NA	Solid	5035	
880-31496-1 MSD	SW-4A	Total/NA	Solid	5035	

GC Semi VOA

Prep Batch: 59046

Lab Sample ID 880-31496-2	Client Sample ID SW-7	Prep Type Total/NA	Matrix Solid	Method Prep Bat 8015NM Prep	tch
880-31496-3	SW-13	Total/NA	Solid	8015NM Prep	
MB 880-59046/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-59046/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-59046/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

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QC Association Summary

Client: TRC Solutions, Inc. Job ID: 880-31496-1

Project/Site: COP JR Horz Federal Com #006H

GC Semi VOA (Continued)

Prep Batch: 59046 (Continued)

	Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
	890-5010-A-1-H MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
Į	890-5010-A-1-I MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 59067

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31496-2	SW-7	Total/NA	Solid	8015B NM	59046
880-31496-3	SW-13	Total/NA	Solid	8015B NM	59046
MB 880-59046/1-A	Method Blank	Total/NA	Solid	8015B NM	59046
LCS 880-59046/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	59046
LCSD 880-59046/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	59046
890-5010-A-1-H MS	Matrix Spike	Total/NA	Solid	8015B NM	59046
890-5010-A-1-I MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	59046

Analysis Batch: 59161

Lab Sample ID 880-31496-1	Client Sample ID SW-4A	Prep Type Total/NA	Matrix Solid	Method 8015 NM	Prep Batch
880-31496-2	SW-7	Total/NA	Solid	8015 NM	
880-31496-3	SW-13	Total/NA	Solid	8015 NM	

Analysis Batch: 59168

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31496-1	SW-4A	Total/NA	Solid	8015B NM	59173
MB 880-59173/1-A	Method Blank	Total/NA	Solid	8015B NM	59173
LCS 880-59173/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	59173
LCSD 880-59173/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	59173
890-5017-A-5-E MS	Matrix Spike	Total/NA	Solid	8015B NM	59173
890-5017-A-5-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	59173

Prep Batch: 59173

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31496-1	SW-4A	Total/NA	Solid	8015NM Prep	
MB 880-59173/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-59173/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-59173/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-5017-A-5-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-5017-A-5-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

HPLC/IC

Leach Batch: 59016

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31496-1	SW-4A	Soluble	Solid	DI Leach	
880-31496-2	SW-7	Soluble	Solid	DI Leach	
880-31496-3	SW-13	Soluble	Solid	DI Leach	
MB 880-59016/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-59016/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-59016/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
820-9452-A-1-D MS	Matrix Spike	Soluble	Solid	DI Leach	
820-9452-A-1-E MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

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QC Association Summary

Client: TRC Solutions, Inc. Job ID: 880-31496-1

Project/Site: COP JR Horz Federal Com #006H

HPLC/IC

Analysis Batch: 59040

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31496-1	SW-4A	Soluble	Solid	300.0	59016
880-31496-2	SW-7	Soluble	Solid	300.0	59016
880-31496-3	SW-13	Soluble	Solid	300.0	59016
MB 880-59016/1-A	Method Blank	Soluble	Solid	300.0	59016
LCS 880-59016/2-A	Lab Control Sample	Soluble	Solid	300.0	59016
LCSD 880-59016/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	59016
820-9452-A-1-D MS	Matrix Spike	Soluble	Solid	300.0	59016
820-9452-A-1-E MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	59016

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Client: TRC Solutions, Inc.

Project/Site: COP JR Horz Federal Com #006H

Lab Sample ID: 880-31496-1

Matrix: Solid

Job ID: 880-31496-1

Client Sample ID: SW-4A
Date Collected: 07/31/23 13:00

Date Received: 08/01/23 13:42

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	59182	08/03/23 09:13	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59174	08/03/23 12:12	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59146	08/03/23 20:36	AJ	EET MID
Total/NA	Analysis	8015 NM		1			59161	08/03/23 21:18	AJ	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	59173	08/03/23 08:35	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59168	08/03/23 16:02	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	59016	08/01/23 15:15	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	59040	08/01/23 21:48	CH	EET MID

Client Sample ID: SW-7

Date Collected: 07/31/23 13:05

Lab Sample ID: 880-31496-2

Matrix: Solid

Date Collected: 07/31/23 13:05
Date Received: 08/01/23 13:42

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	59071	08/02/23 08:20	EL	EET MI
Total/NA	Analysis	8021B		1	5 mL	5 mL	59073	08/02/23 13:54	AJ	EET MI
Total/NA	Analysis	Total BTEX		1			59146	08/02/23 16:22	AJ	EET MI
Total/NA	Analysis	8015 NM		1			59161	08/02/23 19:38	AJ	EET MI
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	59046	08/01/23 17:08	TKC	EET MI
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59067	08/02/23 17:54	AJ	EET MI
Soluble	Leach	DI Leach			5 g	50 mL	59016	08/01/23 15:15	KS	EET MI
Soluble	Analysis	300.0		1	50 mL	50 mL	59040	08/01/23 21:53	CH	EET MI

Client Sample ID: SW-13

Date Collected: 07/31/23 13:10

Lab Sample ID: 880-31496-3

Matrix: Solid

Date Received: 08/01/23 13:42

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	59071	08/02/23 08:20	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59073	08/02/23 14:15	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			59146	08/02/23 16:22	AJ	EET MID
Total/NA	Analysis	8015 NM		1			59161	08/02/23 19:38	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	59046	08/01/23 17:08	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59067	08/02/23 18:16	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	59016	08/01/23 15:15	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	59040	08/01/23 21:58	CH	EET MID

Laboratory References:

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

Eurofins Midland

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Matrix: Solid

Accreditation/Certification Summary

Client: TRC Solutions, Inc. Job ID: 880-31496-1

Project/Site: COP JR Horz Federal Com #006H

Laboratory: Eurofins Midland

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

Authority	Pro	ogram	Identification Number	Expiration Date
Texas	NE	ELAP	T104704400-23-26	06-30-24
The following analyte:	s are included in this repo	ort. but the laboratory is r	not certified by the governing authority.	This list may include analytes for w
the agency does not	offer certification.	,	g aanen,	This list may include analytes for w
the agency does not of Analysis Method	offer certification. Prep Method	Matrix	Analyte	The let may more analytes for w
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Method Summary

Client: TRC Solutions, Inc.

Project/Site: COP JR Horz Federal Com #006H

Job ID: 880-31496-1

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Eurofins Midland

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Sample Summary

Client: TRC Solutions, Inc.

Project/Site: COP JR Horz Federal Com #006H

Job ID: 880-31496-1

Lab Sample ID	Client Sample ID	Matrix	Collected Received	
880-31496-1	SW-4A	Solid	07/31/23 13:00 08/01/23 13:42	
880-31496-2	SW-7	Solid	07/31/23 13:05 08/01/23 13:42	
880-31496-3	SW-13	Solid	07/31/23 13:10	

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Company Name Project Manager

TRC

Jared Stoffel

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Chain of Custody

Houston TX (281) 240-4200 Dallas TX (214) 902-0300 San Antonio TX (210) 509-3334

Hobbs NM (575-392-7550) Phoenix,AZ (480-355-0900) Atlanta GA (770-449-8800) Tampa FL (813-620-2000)

Bill to (if different) Company Name

Midland TX (432-704-5440) EL Paso TX (915)585-3443 Lubbock TX (806)794-1296

Company Name	RC				Company Name	ē							_	Program: UST/PST [1: UST	/PST [묽	Bro	wnfiel	g Ģ	Ã C □	Super]PRP	<u></u>	
Address	10 Desta Dr , STE 130E	E 130E			Address	<u></u>						l		State	State of Project:	ject:									
City, State ZIP	Midland, Texas 79705	79705			City, State ZIP								고	Reporting Level III PST/UST	g Leve		_evel l	= □	ST/US		RP	□eve	□RRP □evelIV □	니 ——	
Phone	432-238-3003			Email	stoffel@trccompanies, itavarez@concho.com	ompanı	es, ıtav	/arez(a)conch	o com			ᆫ	Deliverables		EDD [Đ	ADaPT 🗆		Other:				
Project Name	COP JR Horz Federal Com #006H	ederal C	om #006H	Tur	Turn Around					Ą	ANALYS	IS REQUEST	DES.	7						إ≼	호 이	Work Order Notes	otes		
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PO Number				Rush	Rush: 24 hour	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,																			
Sampler's Name	Russell Sebring			Due Date	ate																				
SAMPLE RECEIPT)	Çemp Blank.	Yes (No	Wet Ice	(Ŷes) No				i																
Temperature (°C)	5.2	5,0	1	Thermometer ID	D (ners																			
Received Intact:	Yes/	N _o		^		itali																			
Cooler Custody Seals	Yes No	(N)A	Correc	Correction Factor	20,2	Cor													П						25
Sample Custody Seals	s Yes No	EX.	Total	Total Containers.					•							-				Al star	if receiv	starts the day received by lab if received by 4 30pm	lab if received by 4 30pm		- Of
Sample Identification	ification	Matrix	Date Sampled	Time Sampled	Depth	Numbe	TPH (80	BTEX (8												Sar	nple (Sample Comments	nents		ige 24
SW-4A		S	7/31/2023	13 00	Comp	. 4			$\frac{1}{2}$					_					_	4	3				Pε
SW-7		S	7/31/2023	13 05	Comp											\dashv									
SW-13		S	7/31/2023	13 10	Comp) \	7					\dashv		_	-		_					-		
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Total 200.7 / 6010 Circle Method(s) a	otal 200.7 / 6010 200.8 / 6020: Circle Method(s) and Metal(s) to be analyzed)20: o be an	8 7 .	CRA 13PPM Texa	M Texas 11 Al	Ď≥	As	Ba Be	. 1	880-31496 Chain of Custody	Chain	of Cust	ody			⋝	Se Ag		SiO2 Na	Sr TI	I Sn U		ll ll		20/20
Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions	ocument and relinqui	shment of	samples constitu	tes a valid purc	hase order from	client cor	mpany to	Xenco, i	s affiliates	es and su	bcontract	ors. It a	ssigns s	standard te	terms a	nd conc	litions			10317 243.17 7470			/ /4/1		2/
of service 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 Xenco. A minimum charge of \$75.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenco, but not analyzed These terms will be enforced unless previously negotiated	iable only for the cost rge of \$75.00 will be a	of sample	s and shall not a ach project and	ssume any resp a charge of \$5 fo	onsibility for any or each sample s	losses o	to Xenco	es incurr , but not	ed by the	client if	such loss erms will	es are due to circumstances beyond the c be enforced unless previously negotiated	ue to cire	cumstan ess previ	ces bey	ond the	control								
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Work Order No: 314916

www xenco com

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Work Order Comments

Revised Date 051418 Rev 2018 1

Login Sample Receipt Checklist

Client: TRC Solutions, Inc.

Job Number: 880-31496-1

Login Number: 31496 List Source: Eurofins Midland

List Number: 1

Creator: Teel, Brianna

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	

gc 00 0j 101

Eurofins Midland

<6mm (1/4").

Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Jared Stoffel TRC Solutions, Inc. 10 Desta Drive Suite #130E Midland, Texas 79705

Generated 8/2/2023 4:28:51 PM

JOB DESCRIPTION

COP JR Horz Federal Com #006H

JOB NUMBER

880-31495-1

Eurofins Midland 1211 W. Florida Ave Midland TX 79701

Eurofins Midland

Job Notes

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

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

Authorization

Generated 8/2/2023 4:28:51 PM

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

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Client: TRC Solutions, Inc.
Project/Site: COP JR Horz Federal Com #006H

Laboratory Job ID: 880-31495-1

Table of Contents

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Definitions/Glossary

Client: TRC Solutions, Inc. Job ID: 880-31495-1

Project/Site: COP JR Horz Federal Com #006H

Qualifiers

GC VOA Qualifier **Qualifier Description**

S1-Surrogate recovery exceeds control limits, low biased. U Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier

Qualifier Description *1 LCS/LCSD RPD exceeds control limits.

F1 MS and/or MSD recovery exceeds control limits.

F2 MS/MSD RPD exceeds control limits

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

HPLC/IC

Qualifier **Qualifier Description**

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

Glossary

Abbreviation These commonly used abbreviations may or may not be present in this report.

Listed under the "D" column to designate that the result is reported on a dry weight basis

%R Percent Recovery **CFL** Contains Free Liquid CFU Colony Forming Unit **CNF** Contains No Free Liquid

DER Duplicate Error Ratio (normalized absolute difference)

Dil Fac **Dilution Factor**

DL Detection Limit (DoD/DOE)

DL, RA, RE, IN Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample

DLC Decision Level Concentration (Radiochemistry)

EDL Estimated Detection Limit (Dioxin) Limit of Detection (DoD/DOE) LOD 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

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

NEG Negative / Absent POS Positive / Present

PQL Practical Quantitation Limit

PRES Presumptive QC **Quality Control**

RER Relative Error Ratio (Radiochemistry)

Reporting Limit or Requested Limit (Radiochemistry) RL

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

TEF Toxicity Equivalent Factor (Dioxin) **TEQ** Toxicity Equivalent Quotient (Dioxin)

Too Numerous To Count **TNTC**

Case Narrative

Client: TRC Solutions, Inc.

Job ID: 880-31495-1 Project/Site: COP JR Horz Federal Com #006H

Job ID: 880-31495-1

Laboratory: Eurofins Midland

Narrative

Job Narrative 880-31495-1

Receipt

The samples were received on 8/1/2023 1:42 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.0°C

Receipt Exceptions

The following samples analyzed for method <TPH 8015> were received and analyzed from an unpreserved bulk soil jar.

GC VOA

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

Method 8015MOD_NM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-59047 and analytical batch 880-59069 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: FL-38 @ 4' (880-31495-2), FL-39 @ 4' (880-31495-3), FL-40 @ 4' (880-31495-4), FL-41 @ 4' (880-31495-5), FL-42 @ 4' (880-31495-6), (MB 880-59047/1-A), (880-31495-A-1-F MS) and (880-31495-A-1-G MSD). 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: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-59016 and analytical batch 880-59040 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

Eurofins Midland 8/2/2023 Client: TRC Solutions, Inc. Job ID: 880-31495-1

Project/Site: COP JR Horz Federal Com #006H

Client Sample ID: FL-37 @ 4'

Date Collected: 07/31/23 14:00 Date Received: 08/01/23 13:42

Sample Depth: 4'

Matrix: Solid

Compounds							5
Qualifier	RI	Unit	D	Prepared	Analyzed	Dil Fac	

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		08/02/23 08:20	08/02/23 11:51	1
Toluene	<0.00198	U	0.00198	mg/Kg		08/02/23 08:20	08/02/23 11:51	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		08/02/23 08:20	08/02/23 11:51	1
m-Xylene & p-Xylene	<0.00396	U	0.00396	mg/Kg		08/02/23 08:20	08/02/23 11:51	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		08/02/23 08:20	08/02/23 11:51	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		08/02/23 08:20	08/02/23 11:51	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	73		70 - 130			08/02/23 08:20	08/02/23 11:51	1
1,4-Difluorobenzene (Surr)	86		70 - 130			08/02/23 08:20	08/02/23 11:51	1

	Method: IAL SOP Total BTEX	- Iotal BIE	X Calculati	ion					
	Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Total BTEX	<0.00396	U	0.00396	mg/Kg			08/02/23 16:22	1
٠,	_								

Method: SW846 8015 NM - Diesel I	Range (Organics (D	RO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3	mg/Kg			08/02/23 16:19	1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U *1 F1 F2	50.3	mg/Kg		08/01/23 17:18	08/02/23 10:14	1
Diesel Range Organics (Over C10-C28)	<50.3	U F1 F2	50.3	mg/Kg		08/01/23 17:18	08/02/23 10:14	1
Oll Range Organics (Over C28-C36)	<50.3	U	50.3	mg/Kg		08/01/23 17:18	08/02/23 10:14	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130			08/01/23 17:18	08/02/23 10:14	

o-Terphenyl	121	70 - 130		(08/01/23 17:18	08/02/23 10:14	1
Method: EPA 300.0 - Anions, Ion	Chromatography - S	oluble					
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac

Lab Sample ID: 880-31495-2 Client Sample ID: FL-38 @ 4' **Matrix: Solid**

99.2

mg/Kg

12100

Date Collected: 07/31/23 14:05 Date Received: 08/01/23 13:42

Sample Depth: 4'

Chloride

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		08/02/23 08:20	08/02/23 12:12	1
Toluene	<0.00202	U	0.00202	mg/Kg		08/02/23 08:20	08/02/23 12:12	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		08/02/23 08:20	08/02/23 12:12	1
m-Xylene & p-Xylene	<0.00403	U	0.00403	mg/Kg		08/02/23 08:20	08/02/23 12:12	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		08/02/23 08:20	08/02/23 12:12	1
Xylenes, Total	<0.00403	U	0.00403	mg/Kg		08/02/23 08:20	08/02/23 12:12	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		70 - 130			08/02/23 08:20	08/02/23 12:12	1

Eurofins Midland

08/01/23 20:59

Client: TRC Solutions, Inc. Job ID: 880-31495-1

Project/Site: COP JR Horz Federal Com #006H

Client Sample ID: FL-38 @ 4'

Date Collected: 07/31/23 14:05 Date Received: 08/01/23 13:42

Sample Depth: 4'

Lab Sample ID: 880-31495-2

Lab Sample ID: 880-31495-3

Matrix: Solid

Matrix: Solid

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

 Surrogate
 %Recovery [Qualifier]
 Limits
 Prepared [08/02/23 08:20]
 Analyzed [08/02/23 12:12]
 Dil Fact [08/02/23 08:20]

 1,4-Diffluorobenzene (Surr)
 64
 S1 70 - 130
 08/02/23 08:20
 08/02/23 12:12
 1

Method: TAL SOP Total BTEX - Total BTEX Calculation

 Analyte
 Result
 Qualifier
 RL
 Unit
 D
 Prepared
 Analyzed
 Dil Fac

 Total BTEX
 <0.00403</td>
 U
 0.00403
 mg/Kg
 08/02/23 16:22
 1

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

 Analyte
 Result
 Qualifier
 RL
 Unit
 D
 Prepared
 Analyzed
 Dil Fac

 Total TPH
 <50.2</td>
 U
 50.2
 mg/Kg
 08/02/23 16:19
 1

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

Result Qualifier D Dil Fac Analyte Unit Prepared Analyzed <50.2 U *1 50.2 08/01/23 17:18 08/02/23 11:20 Gasoline Range Organics mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over <50.2 U 50.2 mg/Kg 08/01/23 17:18 08/02/23 11:20 C10-C28) Oll Range Organics (Over C28-C36) <50.2 U 50.2 08/01/23 17:18 08/02/23 11:20 mg/Kg

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

 Analyte
 Result Chloride
 Qualifier
 RL Mark
 Unit Mark
 D Mark
 Prepared Manalyzed Man

Client Sample ID: FL-39 @ 4'

Date Collected: 07/31/23 14:10 Date Received: 08/01/23 13:42

Sample Depth: 4'

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

Analyte Result Qualifier RI Unit D Prepared Analyzed Dil Fac Benzene < 0.00199 U 0.00199 mg/Kg 08/02/23 08:20 08/02/23 12:32 Toluene <0.00199 U 0.00199 mg/Kg 08/02/23 08:20 08/02/23 12:32 Ethylbenzene <0.00199 U 0.00199 mg/Kg 08/02/23 08:20 08/02/23 12:32 m-Xylene & p-Xylene <0.00398 U 0.00398 mg/Kg 08/02/23 08:20 08/02/23 12:32 o-Xylene <0.00199 U 0.00199 mg/Kg 08/02/23 08:20 08/02/23 12:32 Xylenes, Total <0.00398 U 0.00398 mg/Kg 08/02/23 08:20 08/02/23 12:32 Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac

 Surrogate
 %Recovery
 Qualifier
 Limits
 Prepared
 Attaiyzed
 Dil Fac

 4-Bromofluorobenzene (Surr)
 92
 70 - 130
 08/02/23 08:20
 08/02/23 12:32
 1

 1,4-Difluorobenzene (Surr)
 64
 S1 70 - 130
 08/02/23 08:20
 08/02/23 12:32
 1

Method: TAL SOP Total BTEX - Total BTEX Calculation

 Analyte
 Result
 Qualifier
 RL
 Unit
 D
 Prepared
 Analyzed
 Dil Fac

 Total BTEX
 <0.00398</td>
 U
 0.00398
 mg/Kg
 08/02/23 16:22
 1

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

 Analyte
 Result Total TPH
 Qualifier Qualifier
 RL Unit mg/Kg
 D Prepared Manalyzed 08/02/23 16:19
 Dil Fac 08/02/23 16:19

Eurofins Midland

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Client: TRC Solutions, Inc. Job ID: 880-31495-1

Project/Site: COP JR Horz Federal Com #006H

Client Sample ID: FL-39 @ 4'

Date Collected: 07/31/23 14:10 Date Received: 08/01/23 13:42

Sample Depth: 4'

Lab Sample ID: 880-31495-3

עג	Sample	ID.	000-31493-3
			Matrix: Solid

Method: SW846 8015B NM - E	Diesel Range	e Organics	s (DRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U *1	50.1	mg/Kg		08/01/23 17:18	08/02/23 11:42	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1	mg/Kg		08/01/23 17:18	08/02/23 11:42	1
OII Range Organics (Over C28-C36)	<50.1	U	50.1	mg/Kg		08/01/23 17:18	08/02/23 11:42	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	137	S1+	70 - 130			08/01/23 17:18	08/02/23 11:42	1
o-Terphenyl	147	S1+	70 - 130			08/01/23 17:18	08/02/23 11:42	1
Frank of EDA coop of Assess	lon Chroma	tography .	- Soluble					
Method: EPA 300.0 - Anions,	ion Cinoma	tograpity :	-0.00.0					
Method: EPA 300.0 - Anions, Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac

Lab Sample ID: 880-31495-4 Client Sample ID: FL-40 @ 4' Date Collected: 07/31/23 14:15 **Matrix: Solid**

Date Received: 08/01/23 13:42

Sample Depth: 4'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		08/02/23 08:20	08/02/23 12:53	1
Toluene	<0.00198	U	0.00198	mg/Kg		08/02/23 08:20	08/02/23 12:53	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		08/02/23 08:20	08/02/23 12:53	1
m-Xylene & p-Xylene	< 0.00396	U	0.00396	mg/Kg		08/02/23 08:20	08/02/23 12:53	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		08/02/23 08:20	08/02/23 12:53	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		08/02/23 08:20	08/02/23 12:53	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130			08/02/23 08:20	08/02/23 12:53	1
1,4-Difluorobenzene (Surr)	97		70 - 130			08/02/23 08:20	08/02/23 12:53	1
Method: SW846 8015 NM - Die	ocal Panga (
			DDAL <i>ICC</i> L					
	_	•	, , ,	Unit	D	Prenared	Analyzed	Dil Fac
	_	Qualifier	DRO) (GC) RL 50.0	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 08/02/23 16:19	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - D	Result <50.0	Qualifier U	RL 50.0		<u>D</u>	Prepared Prepared		
Analyte Total TPH Method: SW846 8015B NM - D	Result <50.0	Qualifier U Organics Qualifier	FRL 50.0 (DRO) (GC)	mg/Kg	_ =	Prepared	08/02/23 16:19	1
Analyte Total TPH Method: SW846 8015B NM - D Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result <50.0 Diesel Range Result	Qualifier U Organics Qualifier U *1	70.0 RL	mg/Kg Unit	_ =	Prepared	08/02/23 16:19 Analyzed 08/02/23 12:04	1 Dil Fac
Analyte Total TPH Method: SW846 8015B NM - DANALYTE Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result <50.0 Diesel Range Result <50.0	Qualifier U Organics Qualifier U *1	RL 50.0 (GC) RL 50.0	mg/Kg Unit mg/Kg	_ =	Prepared 08/01/23 17:18	08/02/23 16:19 Analyzed 08/02/23 12:04 08/02/23 12:04	1 Dil Fac
Analyte Total TPH Method: SW846 8015B NM - DANALYTE Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <50.0	Qualifier U Organics Qualifier U *1 U	RL 50.0 (GC) RL 50.0 50.0	mg/Kg Unit mg/Kg mg/Kg	_ =	Prepared 08/01/23 17:18 08/01/23 17:18	08/02/23 16:19 Analyzed 08/02/23 12:04 08/02/23 12:04	1 Dil Fac

Eurofins Midland

08/01/23 17:18 08/02/23 12:04

70 - 130

137 S1+

8/2/2023

o-Terphenyl

Client: TRC Solutions, Inc.

Job ID: 880-31495-1

Project/Site: COP JR Horz Federal Com #006H

Client Sample ID: FL-40 @ 4'

Date Collected: 07/31/23 14:15 Date Received: 08/01/23 13:42

Sample Depth: 4'

Lab Sample ID: 880-31495-4

Lab Sample ID: 880-31495-5

Matrix: Solid

Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac		
Chloride	16600	F1	101	mg/Kg			08/01/23 21:13	20		

Client Sample ID: FL-41 @ 4'

Date Collected: 07/31/23 14:20

Date Received: 08/01/23 13:42

Sample Depth: 4'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		08/02/23 08:20	08/02/23 13:13	1
Toluene	<0.00201	U	0.00201	mg/Kg		08/02/23 08:20	08/02/23 13:13	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		08/02/23 08:20	08/02/23 13:13	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		08/02/23 08:20	08/02/23 13:13	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		08/02/23 08:20	08/02/23 13:13	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		08/02/23 08:20	08/02/23 13:13	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130			08/02/23 08:20	08/02/23 13:13	1
1,4-Difluorobenzene (Surr)	61	S1-	70 - 130			08/02/23 08:20	08/02/23 13:13	1

Method: TAL SUP Total BTEX	- IUIAI DIE	A Calculat	.1011					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			08/02/23 16:22	1
The decide of OMO 40 CO45 NM Division		.	DDO) (00)					

Method: SW846 8015 NM - Diesel	Range (Organics (D	RO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			08/02/23 16:19	1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U *1	49.8	mg/Kg		08/01/23 17:18	08/02/23 12:25	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		08/01/23 17:18	08/02/23 12:25	1
Oll Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		08/01/23 17:18	08/02/23 12:25	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	122		70 - 130			08/01/23 17:18	08/02/23 12:25	1
o-Terphenyl	131	S1+	70 - 130			08/01/23 17:18	08/02/23 12:25	1

Method: EPA 300.0 - Anions, Id	on Chromatography - S	Soluble					
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	12000	99.6	mg/Kg			08/01/23 21:28	20

Matrix: Solid

Lab Sample ID: 880-31495-6

Client: TRC Solutions, Inc. Job ID: 880-31495-1

Project/Site: COP JR Horz Federal Com #006H

Client Sample ID: FL-42 @ 4'

Date Collected: 07/31/23 14:25 Date Received: 08/01/23 13:42

Sample Depth: 4'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		08/02/23 08:20	08/02/23 13:34	1
Toluene	<0.00200	U	0.00200	mg/Kg		08/02/23 08:20	08/02/23 13:34	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		08/02/23 08:20	08/02/23 13:34	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	mg/Kg		08/02/23 08:20	08/02/23 13:34	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		08/02/23 08:20	08/02/23 13:34	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		08/02/23 08:20	08/02/23 13:34	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	79		70 - 130			08/02/23 08:20	08/02/23 13:34	1
1,4-Difluorobenzene (Surr)	82		70 - 130			08/02/23 08:20	08/02/23 13:34	1
Method: TAL SOP Total BTEX	. Total BTE	X Calculat	tion					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	mg/Kg			08/02/23 16:22	1
Method: SW846 8015 NM - Die Analyte	_	Organics (Qualifier	DRO) (GC)	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7	mg/Kg			08/02/23 16:19	1
Method: SW846 8015B NM - E)iesel Range	Organics	(DRO) (GC)					
Analyte	_	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U *1	49.7	mg/Kg		08/01/23 17:18	08/02/23 12:48	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7	mg/Kg		08/01/23 17:18	08/02/23 12:48	1
Oll Range Organics (Over C28-C36)	<49.7	U	49.7	mg/Kg		08/01/23 17:18	08/02/23 12:48	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	127		70 - 130			08/01/23 17:18	08/02/23 12:48	1
o-Terphenyl	136	S1+	70 - 130			08/01/23 17:18	08/02/23 12:48	1
			0.1.1.1.					
Method: EPA 300.0 - Anions,	lon Chroma	tograpny -	Soluble					

99.8

mg/Kg

13100

08/01/23 21:33

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Chloride

Surrogate Summary

Client: TRC Solutions, Inc.

Job ID: 880-31495-1

Project/Site: COP JR Horz Federal Com #006H

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

		BFB1	DFBZ1	
Lab Sample ID	Client Sample ID	(70-130)	70-130)	
880-31495-1	FL-37 @ 4'	73	86	
880-31495-1 MS	FL-37 @ 4'	114	117	
880-31495-1 MSD	FL-37 @ 4'	114	120	
880-31495-2	FL-38 @ 4'	86	64 S1-	
880-31495-3	FL-39 @ 4'	92	64 S1-	
880-31495-4	FL-40 @ 4'	99	97	
880-31495-5	FL-41 @ 4'	90	61 S1-	
880-31495-6	FL-42 @ 4'	79	82	
LCS 880-59071/1-A	Lab Control Sample	106	120	
LCSD 880-59071/2-A	Lab Control Sample Dup	117	122	
MB 880-59071/5-A	Method Blank	68 S1-	85	

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid Prep Type: Total/NA

		1001	•	ecovery (Acceptance Limits)
		1CO1	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-31495-1	FL-37 @ 4'	112	121	
880-31495-1 MS	FL-37 @ 4'	120	132 S1+	
880-31495-1 MSD	FL-37 @ 4'	127	137 S1+	
880-31495-2	FL-38 @ 4'	132 S1+	143 S1+	
880-31495-3	FL-39 @ 4'	137 S1+	147 S1+	
880-31495-4	FL-40 @ 4'	127	137 S1+	
880-31495-5	FL-41 @ 4'	122	131 S1+	
880-31495-6	FL-42 @ 4'	127	136 S1+	
LCS 880-59047/2-A	Lab Control Sample	81	90	
LCSD 880-59047/3-A	Lab Control Sample Dup	92	104	
MB 880-59047/1-A	Method Blank	157 S1+	177 S1+	

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Client: TRC Solutions, Inc. Job ID: 880-31495-1

Project/Site: COP JR Horz Federal Com #006H

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-59071/5-A

Matrix: Solid

Analysis Batch: 59073

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 59071

	MB	INIR						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		08/02/23 08:20	08/02/23 11:30	1
Toluene	<0.00200	U	0.00200	mg/Kg		08/02/23 08:20	08/02/23 11:30	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		08/02/23 08:20	08/02/23 11:30	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		08/02/23 08:20	08/02/23 11:30	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		08/02/23 08:20	08/02/23 11:30	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		08/02/23 08:20	08/02/23 11:30	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	68	S1-	70 - 130	08/02/23 08:20	08/02/23 11:30	1
1,4-Difluorobenzene (Surr)	85		70 - 130	08/02/23 08:20	08/02/23 11:30	1

Lab Sample ID: LCS 880-59071/1-A

Matrix: Solid

Analysis Batch: 59073

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 59071

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.1196		mg/Kg		120	70 - 130	
Toluene	0.100	0.1033		mg/Kg		103	70 - 130	
Ethylbenzene	0.100	0.1080		mg/Kg		108	70 - 130	
m-Xylene & p-Xylene	0.200	0.2268		mg/Kg		113	70 - 130	
o-Xylene	0.100	0.1092		mg/Kg		109	70 - 130	

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	120		70 - 130

Lab Sample ID: LCSD 880-59071/2-A

Matrix: Solid

Analysis Batch: 59073

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 59071

	Spike	LCSD L	_CSD				%Rec		RPD
Analyte	Added	Result C	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.1261		mg/Kg		126	70 - 130	5	35
Toluene	0.100	0.1090		mg/Kg		109	70 - 130	5	35
Ethylbenzene	0.100	0.1213		mg/Kg		121	70 - 130	12	35
m-Xylene & p-Xylene	0.200	0.2582		mg/Kg		129	70 - 130	13	35
o-Xylene	0.100	0.1244		mg/Kg		124	70 - 130	13	35

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	117		70 - 130
1,4-Difluorobenzene (Surr)	122		70 - 130

Lab Sample ID: 880-31495-1 MS

Matrix: Solid

Analysis Batch: 59073

Client Sample ID: FL-37 @ 4'

Prep Type: Total/NA

Prep Batch: 59071

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00198	U	0.0996	0.1150		mg/Kg		115	70 - 130	
Toluene	<0.00198	U	0.0996	0.09609		mg/Kg		96	70 - 130	

QC Sample Results

Client: TRC Solutions, Inc. Job ID: 880-31495-1

Project/Site: COP JR Horz Federal Com #006H

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

Lab Sample ID: 880-31495-1 MS **Matrix: Solid**

Lab Sample ID: 880-31495-1 MSD

Analysis Batch: 59073

Client Sample ID: FL-37 @ 4'

Prep Type: Total/NA Prep Batch: 59071

MS MS Sample Sample Spike %Rec Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits Ethylbenzene <0.00198 U 0.0996 0.1090 mg/Kg 109 70 - 130 m-Xylene & p-Xylene <0.00396 U 0.199 0.2277 mg/Kg 114 70 - 130 o-Xylene <0.00198 U 0.0996 0.1104 mg/Kg 111 70 - 130

MS MS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	114	70 - 130
1,4-Difluorobenzene (Surr)	117	70 - 130

Client Sample ID: FL-37 @ 4'

Prep Type: Total/NA

Prep Batch: 59071

Matrix: Solid Analysis Batch: 59073 Sample Sample Spike MSD MSD %Rec **RPD**

Analyte Result Qualifier Added Result Qualifier Unit D %Rec Limits RPD Limit Benzene <0.00198 U 0.0998 0.1285 70 - 130 35 mg/Kg 129 11 Toluene <0.00198 U 0.0998 0.1049 105 70 - 130 35 mg/Kg <0.00198 U Ethylbenzene 0.0998 0.1161 mg/Kg 116 70 - 130 6 35 m-Xylene & p-Xylene <0.00396 U 0.200 0.2434 mg/Kg 122 70 - 130 35 <0.00198 U 0.0998 o-Xylene 0.1172 mg/Kg 117 70 - 130

MSD MSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	114		70 - 130
1,4-Difluorobenzene (Surr)	120		70 - 130

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

Lab Sample ID: MB 880-59047/1-A Client Sample ID: Method Blank **Matrix: Solid** Prep Type: Total/NA Prep Batch: 59047 **Analysis Batch: 59069**

	IVID	IVID						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		08/01/23 17:17	08/02/23 07:42	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		08/01/23 17:17	08/02/23 07:42	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		08/01/23 17:17	08/02/23 07:42	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	157	S1+	70 - 130	08/01/23 17:17	08/02/23 07:42	1
o-Terphenyl	177	S1+	70 - 130	08/01/23 17:17	08/02/23 07:42	1

Lab Sample ID: LCS 880-59047/2-A

C10-C28)

Matrix: Solid							Prep Type:	Total/NA
Analysis Batch: 59069							Prep Bato	ch: 59047
	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	1000	1261		mg/Kg		126	70 - 130	
(GRO)-C6-C10								
Diesel Range Organics (Over	1000	924.2		mg/Kg		92	70 - 130	

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Client Sample ID: Lab Control Sample

Client: TRC Solutions, Inc. Job ID: 880-31495-1

Project/Site: COP JR Horz Federal Com #006H

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

Lab Sample ID: LCS 880-59047/2-A **Matrix: Solid**

Analysis Batch: 59069

Client Sample ID: Lab Control Sample

101

70 - 130

Prep Type: Total/NA

Prep Batch: 59047

9

Prep Type: Total/NA

Prep Type: Total/NA

LCS LCS Surrogate %Recovery Qualifier Limits 1-Chlorooctane 81 70 - 130 o-Terphenyl 90 70 - 130

Client Sample ID: Lab Control Sample Dup Lab Sample ID: LCSD 880-59047/3-A **Prep Type: Total/NA**

Matrix: Solid

Diesel Range Organics (Over

Analysis Batch: 59069 Prep Batch: 59047 LCSD LCSD %Rec RPD Spike Analyte Added Result Qualifier Unit %Rec Limits RPD Limit Gasoline Range Organics 1000 984.4 *1 mg/Kg 98 70 - 130 25 20 (GRO)-C6-C10

1013

mg/Kg

1000

C10-C28)

LCSD LCSD %Recovery Qualifier Surrogate Limits 1-Chlorooctane 92 70 - 130 70 - 130 o-Terphenyl 104

Lab Sample ID: 880-31495-1 MS Client Sample ID: FL-37 @ 4'

Matrix: Solid

Analysis Batch: 59069 Prep Batch: 59047 Sample Sample Spike MS MS %Rec

Result Qualifier Added Result Qualifier Limits Analyte Unit D %Rec Gasoline Range Organics <50.3 U *1 F1 998 <49.9 UF1 mg/Kg 2 70 - 130 (GRO)-C6-C10 F2 998 Diesel Range Organics (Over <50.3 U F1 F2 <49.9 UF1 mg/Kg 0.3 70 - 130

C10-C28)

MS MS Surrogate %Recovery Qualifier Limits 1-Chlorooctane 70 - 130 120 o-Terphenyl 132 S1+ 70 - 130

Lab Sample ID: 880-31495-1 MSD Client Sample ID: FL-37 @ 4'

Matrix: Solid

Analysis Batch: 59069

Prep Batch: 59047 Sample Sample Spike MSD MSD %Rec **RPD** Result Qualifier Added Result Qualifier Limits **RPD** Limit Analyte Unit %Rec <50.3 U *1 F1 998 <49.9 U F1 F2 70 - 130 20 Gasoline Range Organics mg/Kg 24 (GRO)-C6-C10 F2 Diesel Range Organics (Over <50.3 U F1 F2 998 <49.9 U F1 F2 mg/Kg -0.2 70 - 130 22 20

C10-C28)

	พรษ	IVISD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	127		70 - 130
o-Terphenyl	137	S1+	70 - 130

Med Med

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Client: TRC Solutions, Inc. Job ID: 880-31495-1

Project/Site: COP JR Horz Federal Com #006H

Method: 300.0 - Anions, Ion Chromatography

Client Sample ID: Method Blank Lab Sample ID: MB 880-59016/1-A **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 59040

MB MB

Analyte Result Qualifier RL Unit Analyzed Dil Fac D Prepared 5.00 08/01/23 19:49 Chloride <5.00 U mg/Kg

Lab Sample ID: LCS 880-59016/2-A **Client Sample ID: Lab Control Sample Matrix: Solid Prep Type: Soluble**

Analysis Batch: 59040

Spike LCS LCS %Rec Analyte Added Result Qualifier Unit D %Rec Limits Chloride 250 239.0 90 - 110 mg/Kg 96

Lab Sample ID: LCSD 880-59016/3-A Client Sample ID: Lab Control Sample Dup **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 59040

Spike LCSD LCSD %Rec RPD Analyte Added Result Qualifier Limits **RPD** Limit Unit %Rec Chloride 250 240.0 96 90 - 110 20 mg/Kg

Lab Sample ID: 880-31495-4 MS Client Sample ID: FL-40 @ 4' **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 59040

Spike MS MS %Rec Sample Sample Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits Chloride 16600 F1 5040 20890 F1 90 - 110 mg/Kg 86

Lab Sample ID: 880-31495-4 MSD

Matrix: Solid

Analysis Batch: 59040

MSD MSD RPD Sample Sample Spike %Rec Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit Chloride 16600 F1 5040 20840 F1 85 20 mg/Kg 90 - 110 0

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Client Sample ID: FL-40 @ 4'

Prep Type: Soluble

Client: TRC Solutions, Inc. Job ID: 880-31495-1

Project/Site: COP JR Horz Federal Com #006H

GC VOA

Prep Batch: 59071

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31495-1	FL-37 @ 4'	Total/NA	Solid	5035	
880-31495-2	FL-38 @ 4'	Total/NA	Solid	5035	
880-31495-3	FL-39 @ 4'	Total/NA	Solid	5035	
880-31495-4	FL-40 @ 4'	Total/NA	Solid	5035	
880-31495-5	FL-41 @ 4'	Total/NA	Solid	5035	
880-31495-6	FL-42 @ 4'	Total/NA	Solid	5035	
MB 880-59071/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-59071/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-59071/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-31495-1 MS	FL-37 @ 4'	Total/NA	Solid	5035	
880-31495-1 MSD	FL-37 @ 4'	Total/NA	Solid	5035	

Analysis Batch: 59073

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31495-1	FL-37 @ 4'	Total/NA	Solid	8021B	59071
880-31495-2	FL-38 @ 4'	Total/NA	Solid	8021B	59071
880-31495-3	FL-39 @ 4'	Total/NA	Solid	8021B	59071
880-31495-4	FL-40 @ 4'	Total/NA	Solid	8021B	59071
880-31495-5	FL-41 @ 4'	Total/NA	Solid	8021B	59071
880-31495-6	FL-42 @ 4'	Total/NA	Solid	8021B	59071
MB 880-59071/5-A	Method Blank	Total/NA	Solid	8021B	59071
LCS 880-59071/1-A	Lab Control Sample	Total/NA	Solid	8021B	59071
LCSD 880-59071/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	59071
880-31495-1 MS	FL-37 @ 4'	Total/NA	Solid	8021B	59071
880-31495-1 MSD	FL-37 @ 4'	Total/NA	Solid	8021B	59071

Analysis Batch: 59145

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31495-1	FL-37 @ 4'	Total/NA	Solid	Total BTEX	
880-31495-2	FL-38 @ 4'	Total/NA	Solid	Total BTEX	
880-31495-3	FL-39 @ 4'	Total/NA	Solid	Total BTEX	
880-31495-4	FL-40 @ 4'	Total/NA	Solid	Total BTEX	
880-31495-5	FL-41 @ 4'	Total/NA	Solid	Total BTEX	
880-31495-6	FL-42 @ 4'	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 59047

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31495-1	FL-37 @ 4'	Total/NA	Solid	8015NM Prep	
880-31495-2	FL-38 @ 4'	Total/NA	Solid	8015NM Prep	
880-31495-3	FL-39 @ 4'	Total/NA	Solid	8015NM Prep	
880-31495-4	FL-40 @ 4'	Total/NA	Solid	8015NM Prep	
880-31495-5	FL-41 @ 4'	Total/NA	Solid	8015NM Prep	
880-31495-6	FL-42 @ 4'	Total/NA	Solid	8015NM Prep	
MB 880-59047/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-59047/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-59047/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-31495-1 MS	FL-37 @ 4'	Total/NA	Solid	8015NM Prep	
880-31495-1 MSD	FL-37 @ 4'	Total/NA	Solid	8015NM Prep	

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Client: TRC Solutions, Inc. Job ID: 880-31495-1

Project/Site: COP JR Horz Federal Com #006H

GC Semi VOA

Analysis Batch: 59069

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31495-1	FL-37 @ 4'	Total/NA	Solid	8015B NM	59047
880-31495-2	FL-38 @ 4'	Total/NA	Solid	8015B NM	59047
880-31495-3	FL-39 @ 4'	Total/NA	Solid	8015B NM	59047
880-31495-4	FL-40 @ 4'	Total/NA	Solid	8015B NM	59047
880-31495-5	FL-41 @ 4'	Total/NA	Solid	8015B NM	59047
880-31495-6	FL-42 @ 4'	Total/NA	Solid	8015B NM	59047
MB 880-59047/1-A	Method Blank	Total/NA	Solid	8015B NM	59047
LCS 880-59047/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	59047
LCSD 880-59047/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	59047
880-31495-1 MS	FL-37 @ 4'	Total/NA	Solid	8015B NM	59047
880-31495-1 MSD	FL-37 @ 4'	Total/NA	Solid	8015B NM	59047

Analysis Batch: 59143

Client Sample ID	Prep Type	Matrix	Method	Prep Batch
FL-37 @ 4'	Total/NA	Solid	8015 NM	
FL-38 @ 4'	Total/NA	Solid	8015 NM	
FL-39 @ 4'	Total/NA	Solid	8015 NM	
FL-40 @ 4'	Total/NA	Solid	8015 NM	
FL-41 @ 4'	Total/NA	Solid	8015 NM	
FL-42 @ 4'	Total/NA	Solid	8015 NM	
	FL-37 @ 4' FL-38 @ 4' FL-39 @ 4' FL-40 @ 4' FL-41 @ 4'	FL-37 @ 4' Total/NA FL-38 @ 4' Total/NA FL-39 @ 4' Total/NA FL-40 @ 4' Total/NA FL-41 @ 4' Total/NA	FL-37 @ 4' Total/NA Solid FL-38 @ 4' Total/NA Solid FL-39 @ 4' Total/NA Solid FL-40 @ 4' Total/NA Solid FL-41 @ 4' Total/NA Solid	FL-37 @ 4' Total/NA Solid 8015 NM FL-38 @ 4' Total/NA Solid 8015 NM FL-39 @ 4' Total/NA Solid 8015 NM FL-40 @ 4' Total/NA Solid 8015 NM FL-41 @ 4' Total/NA Solid 8015 NM

HPLC/IC

Leach Batch: 59016

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31495-1	FL-37 @ 4'	Soluble	Solid	DI Leach	
880-31495-2	FL-38 @ 4'	Soluble	Solid	DI Leach	
880-31495-3	FL-39 @ 4'	Soluble	Solid	DI Leach	
880-31495-4	FL-40 @ 4'	Soluble	Solid	DI Leach	
880-31495-5	FL-41 @ 4'	Soluble	Solid	DI Leach	
880-31495-6	FL-42 @ 4'	Soluble	Solid	DI Leach	
MB 880-59016/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-59016/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-59016/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-31495-4 MS	FL-40 @ 4'	Soluble	Solid	DI Leach	
880-31495-4 MSD	FL-40 @ 4'	Soluble	Solid	DI Leach	

Analysis Batch: 59040

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31495-1	FL-37 @ 4'	Soluble	Solid	300.0	59016
880-31495-2	FL-38 @ 4'	Soluble	Solid	300.0	59016
880-31495-3	FL-39 @ 4'	Soluble	Solid	300.0	59016
880-31495-4	FL-40 @ 4'	Soluble	Solid	300.0	59016
880-31495-5	FL-41 @ 4'	Soluble	Solid	300.0	59016
880-31495-6	FL-42 @ 4'	Soluble	Solid	300.0	59016
MB 880-59016/1-A	Method Blank	Soluble	Solid	300.0	59016
LCS 880-59016/2-A	Lab Control Sample	Soluble	Solid	300.0	59016
LCSD 880-59016/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	59016
880-31495-4 MS	FL-40 @ 4'	Soluble	Solid	300.0	59016
880-31495-4 MSD	FL-40 @ 4'	Soluble	Solid	300.0	59016

Eurofins Midland

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Client Sample ID: FL-37 @ 4'

Date Collected: 07/31/23 14:00 Date Received: 08/01/23 13:42 Lab Sample ID: 880-31495-1

Matrix: Solid

Batch Batch Dil Initial Final Batch Prepared Method **Prep Type** Type Run **Factor Amount** Amount Number or Analyzed **Analyst** Lab Total/NA 5035 59071 08/02/23 08:20 EET MID Prep 5.05 g 5 mL Total/NA 8021B 59073 Analysis 1 5 mL 5 mL 08/02/23 11:51 AJ **EET MID** Total/NA Analysis Total BTEX 59145 08/02/23 16:22 AJ **EET MID** Total/NA Analysis 8015 NM 1 59143 08/02/23 16:19 AJ **EET MID** Total/NA Prep 8015NM Prep 9.94 g 10 mL 59047 08/01/23 17:18 TKC **EET MID EET MID** Total/NA Analysis 8015B NM 1 1 uL 1 uL 59069 08/02/23 10:14 AJ 59016 Soluble Leach DI Leach 5.04 a 50 mL 08/01/23 15:15 KS **EET MID** Soluble 300.0 20 59040 08/01/23 20:59 CH **EET MID** Analysis 50 mL 50 mL

Client Sample ID: FL-38 @ 4'

Date Collected: 07/31/23 14:05

Date Received: 08/01/23 13:42

Lab Sample ID: 880-31495-2

Matrix: Solid

Batch Batch Dil Initial Final Batch Prepared Method **Prep Type** Type Run **Factor** Amount Amount Number or Analyzed Analyst Lab Total/NA 5035 59071 08/02/23 08:20 EL EET MID Prep 4.96 g 5 mL Total/NA 8021B 5 mL 59073 08/02/23 12:12 AJ **EET MID** Analysis 5 mL 1 Total/NA Analysis Total BTEX 59145 08/02/23 16:22 AJ **EET MID** 1 Total/NA 8015 NM Analysis 1 59143 08/02/23 16:19 AJ **EET MID** Total/NA Prep 8015NM Prep 9.97 g 10 mL 59047 08/01/23 17:18 TKC **EET MID** Total/NA 8015B NM 59069 Analysis 1 1 uL 1 uL 08/02/23 11:20 AJ **EET MID** Soluble 59016 5.05 g 50 mL 08/01/23 15:15 KS **EET MID** Leach DI Leach Soluble Analysis 300.0 10 50 mL 50 mL 59040 08/01/23 21:03 CH **EET MID**

Client Sample ID: FL-39 @ 4'

Date Collected: 07/31/23 14:10 Date Received: 08/01/23 13:42 Lab Sample ID: 880-31495-3

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035	_		5.03 g	5 mL	59071	08/02/23 08:20	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59073	08/02/23 12:32	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			59145	08/02/23 16:22	AJ	EET MID
Total/NA	Analysis	8015 NM		1			59143	08/02/23 16:19	AJ	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	59047	08/01/23 17:18	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59069	08/02/23 11:42	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	59016	08/01/23 15:15	KS	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	59040	08/01/23 21:08	CH	EET MID

Client Sample ID: FL-40 @ 4'

Date Collected: 07/31/23 14:15 Date Received: 08/01/23 13:42 Lab Sample ID: 880-31495-4

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	59071	08/02/23 08:20	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59073	08/02/23 12:53	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			59145	08/02/23 16:22	AJ	EET MID

Client: TRC Solutions, Inc.

Project/Site: COP JR Horz Federal Com #006H

Lab Sample ID: 880-31495-4

Matrix: Solid

Job ID: 880-31495-1

Client Sample ID: FL-40 @ 4' Date Collected: 07/31/23 14:15

Date Received: 08/01/23 13:42

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			59143	08/02/23 16:19	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	59047	08/01/23 17:18	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59069	08/02/23 12:04	AJ	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	59016	08/01/23 15:15	KS	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	59040	08/01/23 21:13	CH	EET MID

Lab Sample ID: 880-31495-5

Matrix: Solid

Client Sample ID: FL-41 @ 4' Date Collected: 07/31/23 14:20 Date Received: 08/01/23 13:42

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	59071	08/02/23 08:20	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59073	08/02/23 13:13	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			59145	08/02/23 16:22	AJ	EET MID
Total/NA	Analysis	8015 NM		1			59143	08/02/23 16:19	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	59047	08/01/23 17:18	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59069	08/02/23 12:25	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	59016	08/01/23 15:15	KS	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	59040	08/01/23 21:28	CH	EET MID

Client Sample ID: FL-42 @ 4' Lab Sample ID: 880-31495-6 Date Collected: 07/31/23 14:25 **Matrix: Solid**

Date Received: 08/01/23 13:42

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	59071	08/02/23 08:20	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59073	08/02/23 13:34	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			59145	08/02/23 16:22	AJ	EET MID
Total/NA	Analysis	8015 NM		1			59143	08/02/23 16:19	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	59047	08/01/23 17:18	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59069	08/02/23 12:48	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	59016	08/01/23 15:15	KS	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	59040	08/01/23 21:33	CH	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: TRC Solutions, Inc. Job ID: 880-31495-1

Project/Site: COP JR Horz Federal Com #006H

Laboratory: Eurofins Midland

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

uthority		ogram	Identification Number	Expiration Date
Texas	NELAP T10470		T104704400-23-26	06-30-24
The following analytes	s are included in this repo	rt but the laboratory is r	not certified by the governing authority.	This list may include analytes for wh
the agency does not o	'	,	not continue by the governing duthenty.	This list may molade unarytes for wi
the agency does not o	'	Matrix	Analyte	This list may include analytes for wi
0 ,	offer certification.	•	, , ,	This list may include unarytes for wi

Method Summary

Client: TRC Solutions, Inc.

Project/Site: COP JR Horz Federal Com #006H

Job ID: 880-31495-1

Method **Method Description** Protocol Laboratory SW846 **EET MID** 8021B Volatile Organic Compounds (GC) 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

Eurofins Midland

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Released to Imaging: 3/20/2024 10:55:29 AM

Sample Summary

Client: TRC Solutions, Inc.

Project/Site: COP JR Horz Federal Com #006H

Job ID: 880-31495-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-31495-1	FL-37 @ 4'	Solid	07/31/23 14:00	08/01/23 13:42	4'
880-31495-2	FL-38 @ 4'	Solid	07/31/23 14:05	08/01/23 13:42	4'
880-31495-3	FL-39 @ 4'	Solid	07/31/23 14:10	08/01/23 13:42	4'
880-31495-4	FL-40 @ 4'	Solid	07/31/23 14:15	08/01/23 13:42	4'
880-31495-5	FL-41 @ 4'	Solid	07/31/23 14:20	08/01/23 13:42	4'
880-31495-6	FL-42 @ 4'	Solid	07/31/23 14:25	08/01/23 13:42	4'

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Chain of Custody

Houston TX (281) 240-4200 Dallas TX (214) 902-0300 San Antonio TX (210) 509-3334

	The state of	Relinquished by. (Signature)	locities. Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractor if service. 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 of Xenco. A minimum charge of \$75.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenco, but not analyzed. These terms will be	Circle method s) and metalls) to be alialyzed	Total 200.7 / 6010	and the second s		FL-42 @ 4'	FL-41 @ 4'	FL-40 @ 4'	FL-39 @ 4'	FL-38 @ 4'	FL-37 @ 4'	Sample Identification	Sample Custody Seals	Joulet Custody Seats.	Sector Custodu Sools		(Sa)	SAMPLE RECEIPT	Sampler's Name Ru	O Number	Project Number 5	Project Name CC	hone 43	City, State ZIP Mi	Address 10	Company Name TRC	Project Manager Ja	
	Rungel Kalling	signature)	ment and relinquishme e only for the cost of sa of \$75.00 will be applie	and metal(s) to be) 200.8 / 6020:			S	t.	S	S	S S	1 .	cation Matrix	Yes No N	NO		+	77	Temn Blank	Russell Sebring		531504 0001 0000 phase 0001	COP JR Horz Federal Com #006H	432-238-3003	Midland, Texas 79705	10 Desta Dr, STE 130E	Ĉ	Jared Stoffel	
		S Received	int of samples constitus Imples and shall not a d to each project and i	analyzeu	8R			7/31/2023	7/31/2023	7/31/2023	7/31/2023	7/31/2023	7/31/2023	trix Date Sampled	₩A Total			\ 		Yes			0 phase 0001	al Com #006H		05	30E			Hobbs N
		by (Signatiy/e)	gnature or this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractor. 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. A minimum charge of \$75.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenco, but not analyzed. These terms will be	ICEF / SPEP 8010	13PPM			14 25 4'	14 20 4'	14 15 4'	14 10 4'	14 05 4'	14 00 4'	Time Depth	Total Containers	Correction Factor しょう	7	Linemometer ID	g	ζ,	Due Date	Rush 24 hour	Routine	Turn Around	Email Istoffel(City, State ZIP	Address	Company Name	Bill to (if different)	Midland TX (432-7 VM (575-392-7550) Pho
	\{\l\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	Date/Time	or from client company to for any losses or expens comple submitted to Xenco	OKCKA SD AS	is 11 Al			1	1 //	1	-3	1 1	1 */	Numbe	15)	C		ine		<u> </u>				5	Istoffel@trccompanies, itavarez@concho com	te ZIP		y Name	different)	Midland TX (432-704-5440) EL Paso TX (915)585-3443 Lubbock TX (806)794-1296 775-392-7550) Phoenix,AZ (480-355-0900) Atlanta GA (770-449-8800) Tampa,FL (8
0 4	1342 2		o Xenco, its affiliates an ses incurred by the clier o, but not analyzed. The	SD AS BA BE CO Cr Co	Ba Be B Cd Ca								XIXIII	BTEX (8			0)								varez@concho co					(915)585-3443 Lubbo)) Atlanta GA (770-44
		Relinquished by: (Signature)	ordice signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions if service. 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 contropy of Xenco. A minimum charge of \$75.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.	0	880-31495																			ANALYSIS REQUEST						Midland TX (432-704-5440) EL Paso TX (915)585-3443 Lubbock TX (806)794-1296 Hobbs NM (575-392-7550) Phoenix,AZ (480-355-0900) Atlanta GA (770-449-8800) Tampa,FL (813-620-2000)
		e) Received by	s. It assigns standard terms and conditions are due to circumstances beyond the control enforced unless previously negotiated.	•	Chain of Custody		The state of the s																	ĭ	Deliverables EDD	Reporting Level II	State of Project:	Program: UST/PST ☐PRP ☐Brownfields ☐RRC		
		ed by (Signature)	litions control s.		SiO2 Na S	=	\$ 4									T >-									☐ ADaPT ☐	Level III 🔲 PST/UST		□PRP □Brownfield	ĕ′∣	www xenco com F
		Date/Time		1631 / 245.1 / 7470 / 7471	Sr Tl Sn U V Zn								age	Sample Comments	lab if received by 4 30pm	Totals the decrees the	WWW.							Work Order Notes	Other	Reporting Level III 🏳 PST/UST 🖟 RRP 🖟 evel IV 📗		s	nents	Page of
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Work Order No: 51495

Revised Date 051418 Rev 2018 1

Login Sample Receipt Checklist

Client: TRC Solutions, Inc.

Job Number: 880-31495-1

SDG Number:

Login Number: 31495 List Source: Eurofins Midland

List Number: 1

Creator: Teel, Brianna

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	

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<6mm (1/4").

Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Jared Stoffel TRC Solutions, Inc. 10 Desta Drive Suite #130E Midland, Texas 79705

Generated 8/8/2023 2:16:41 PM Revision 1

JOB DESCRIPTION

JR Horz Fed Com #6 SDG NUMBER NM

JOB NUMBER

880-31376-1

Eurofins Midland 1211 W. Florida Ave Midland TX 79701

Eurofins Midland

Job Notes

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

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

Authorization

Generated 8/8/2023 2:16:41 PM Revision 1

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

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Client: TRC Solutions, Inc. Project/Site: JR Horz Fed Com #6 Laboratory Job ID: 880-31376-1 SDG: NM

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Definitions/Glossary

Client: TRC Solutions, Inc. Job ID: 880-31376-1 Project/Site: JR Horz Fed Com #6

SDG: NM

Qualifiers

GC VOA

Qualifier **Qualifier Description** F1 MS and/or MSD recovery exceeds control limits.

F2 MS/MSD RPD exceeds control limits

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

GC Semi VOA

Qualifier **Qualifier Description**

S1+ Surrogate recovery exceeds control limits, high biased.

Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier **Qualifier Description**

F1 MS and/or MSD recovery exceeds control limits.

U Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation These commonly used abbreviations may or may not be present in this report.

Listed under the "D" column to designate that the result is reported on a dry weight basis

%R Percent Recovery Contains Free Liquid **CFL** 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) Limit of Detection (DoD/DOE) LOD Limit of Quantitation (DoD/DOE) LOQ

MCL EPA recommended "Maximum Contaminant Level" MDA Minimum Detectable Activity (Radiochemistry) MDC Minimum Detectable Concentration (Radiochemistry)

Method Quantitation Limit

MDI Method Detection Limit ML Minimum Level (Dioxin) Most Probable Number MPN

NC Not Calculated

MQL

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

NEG Negative / Absent POS Positive / Present

Practical Quantitation Limit PQL

PRES Presumptive QC **Quality Control**

RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

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

TEF Toxicity Equivalent Factor (Dioxin) **TEQ** Toxicity Equivalent Quotient (Dioxin)

TNTC Too Numerous To Count

Case Narrative

Client: TRC Solutions, Inc.

Project/Site: JR Horz Fed Com #6

Job ID: 880-31376-1

SDG: NM

Job ID: 880-31376-1

Laboratory: Eurofins Midland

Narrative

Job Narrative 880-31376-1

REVISION

The report being provided is a revision of the original report sent on 8/2/2023. The report (revision 1) is being revised due to Per client email requesting chloride re run.

Receipt

The samples were received on 7/28/2023 10:40 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.3°C

Receipt Exceptions

The following samples analyzed for method <FRACTION METHOD> were received and analyzed from an unpreserved bulk soil jar: SW-03 (880-31376-1), SW-04 (880-31376-2), SW-06 (880-31376-3), SW-12 (880-31376-4), SW-11 (880-31376-5), SW-08 (880-31376-6), SW-05 (880-31376-7), SW-09 (880-31376-8) and SW-10 (880-31376-9).

GC VOA

Method 8021B: Surrogate recovery for the following samples were outside control limits: SW-11 (880-31376-5), SW-08 (880-31376-6), SW-05 (880-31376-7), SW-09 (880-31376-8), SW-10 (880-31376-9), (880-31298-A-1-F), (880-31298-A-1-D MS) and (880-31298-A-1-E MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-58964 recovered above the upper control limit for Benzene, Toluene, Ethylbenzene, m,p-Xylenes and o-Xylene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: (CCV 880-58964/2) and (CCV 880-58964/20).

Method 8021B: The method blank for preparation batch 880-58815 and 880-58990 and analytical batch 880-58964 contained Ethylbenzene above the method detection limit. This target analyte concentration was less than the reporting limit (RL); 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.

GC Semi VOA

Method 8015MOD NM: Surrogate recovery for the following samples were outside control limits: SW-03 (880-31376-1), SW-10 (880-31376-9), (MB 880-59001/1-A) and (880-31375-A-26-C). 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: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-58764 and analytical batch 880-58908 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

Method 300 ORGFM 28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-58766 and analytical batch 880-58916 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

Job ID: 880-31376-1

SDG: NM

Client Sample ID: SW-03

Date Received: 07/28/23 10:40

Project/Site: JR Horz Fed Com #6

Client: TRC Solutions, Inc.

Lab Sample ID: 880-31376-1 Date Collected: 07/26/23 14:00

Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		08/01/23 10:59	08/02/23 18:23	
Toluene	<0.00198	U	0.00198	mg/Kg		08/01/23 10:59	08/02/23 18:23	•
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		08/01/23 10:59	08/02/23 18:23	•
m,p-Xylenes	<0.00396	U	0.00396	mg/Kg		08/01/23 10:59	08/02/23 18:23	
o-Xylene	<0.00198	U	0.00198	mg/Kg		08/01/23 10:59	08/02/23 18:23	•
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		08/01/23 10:59	08/02/23 18:23	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	100		70 - 130			08/01/23 10:59	08/02/23 18:23	
1,4-Difluorobenzene (Surr)	109		70 - 130			08/01/23 10:59	08/02/23 18:23	•
Method: TAL SOP Total BTEX	(- Total BTE	X Calculat	ion					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396	mg/Kg			08/02/23 19:43	
Method: SW846 8015 NM - Di	esel Range (Organics (DRO) (GC)					
Analyte	_	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
								D u.
Iotal IPH	<50.2	U	50.2	mg/Kg			08/02/23 10:27	
- -				mg/Kg			08/02/23 10:27	
: Method: SW846 8015B NM - I	Diesel Range			mg/Kg Unit		Prepared	08/02/23 10:27 Analyzed	
Method: SW846 8015B NM - I Analyte Gasoline Range Organics	Diesel Range	Organics Qualifier	(DRO) (GC)		<u>D</u>	Prepared 08/01/23 11:10	Analyzed	
Method: SW846 8015B NM - I Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Diesel Range Result	Organics Qualifier	(DRO) (GC)	Unit	<u>D</u>	08/01/23 11:10	Analyzed	Dil Fa
Method: SW846 8015B NM - I Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Diesel Range Result <50.2	Organics Qualifier U	(DRO) (GC) RL 50.2	Unit mg/Kg	<u>D</u>	08/01/23 11:10 08/01/23 11:10	Analyzed 08/02/23 01:50	Dil Fac
Method: SW846 8015B NM - I Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Diesel Range Result <50.2	Organics Qualifier U	(DRO) (GC) RL 50.2	Unit mg/Kg mg/Kg	<u>D</u>	08/01/23 11:10 08/01/23 11:10	Analyzed 08/02/23 01:50 08/02/23 01:50	Dil Fac
Method: SW846 8015B NM - I Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate	Name	Organics Qualifier U	(DRO) (GC) RL 50.2 50.2	Unit mg/Kg mg/Kg	<u>D</u>	08/01/23 11:10 08/01/23 11:10 08/01/23 11:10	Analyzed 08/02/23 01:50 08/02/23 01:50 08/02/23 01:50	Dil Fac
Method: SW846 8015B NM - I Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane (Surr)	Name	Organics Qualifier U	(DRO) (GC) RL 50.2 50.2 50.2 Limits	Unit mg/Kg mg/Kg	<u>D</u>	08/01/23 11:10 08/01/23 11:10 08/01/23 11:10 Prepared	Analyzed 08/02/23 01:50 08/02/23 01:50 08/02/23 01:50 Analyzed 08/02/23 01:50	Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane (Surr) o-Terphenyl (Surr)	Name	Qualifier U U Qualifier S1+	(DRO) (GC) RL 50.2 50.2 50.2 Limits 70 - 130 70 - 130	Unit mg/Kg mg/Kg	<u>D</u>	08/01/23 11:10 08/01/23 11:10 08/01/23 11:10 Prepared 08/01/23 11:10	Analyzed 08/02/23 01:50 08/02/23 01:50 08/02/23 01:50 Analyzed 08/02/23 01:50	Dil Fac
Method: SW846 8015B NM - I Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate	Name	Qualifier U U Qualifier S1+	(DRO) (GC) RL 50.2 50.2 50.2 Limits 70 - 130 70 - 130	Unit mg/Kg mg/Kg	<u>D</u>	08/01/23 11:10 08/01/23 11:10 08/01/23 11:10 Prepared 08/01/23 11:10	Analyzed 08/02/23 01:50 08/02/23 01:50 08/02/23 01:50 Analyzed 08/02/23 01:50	Dil Fac

Client Sample ID: SW-04 Lab Sample ID: 880-31376-2 Date Collected: 07/26/23 12:30 **Matrix: Solid**

Date Received: 07/28/23 10:40

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		08/01/23 10:59	08/02/23 18:43	1
Toluene	<0.00201	U	0.00201	mg/Kg		08/01/23 10:59	08/02/23 18:43	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		08/01/23 10:59	08/02/23 18:43	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		08/01/23 10:59	08/02/23 18:43	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		08/01/23 10:59	08/02/23 18:43	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		08/01/23 10:59	08/02/23 18:43	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130			08/01/23 10:59	08/02/23 18:43	1
1.4-Difluorobenzene (Surr)	108		70 - 130			08/01/23 10:59	08/02/23 18:43	1

Client: TRC Solutions, Inc.

Project/Site: JR Horz Fed Com #6

Job ID: 880-31376-1

SDG: NM

Client Sample ID: SW-04

Date Received: 07/28/23 10:40

Lab Sample ID: 880-31376-2 Date Collected: 07/26/23 12:30

Matrix: Solid

Mothod: TAI	SOP Total RTEX	(- Total RTEY	Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			08/02/23 19:43	1

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

Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1 U	50 1	ma/Ka			08/02/23 10:27	1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1	mg/Kg		08/01/23 11:10	08/02/23 02:11	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1	mg/Kg		08/01/23 11:10	08/02/23 02:11	1
Oll Range Organics (Over C28-C36)	<50.1	U	50.1	mg/Kg		08/01/23 11:10	08/02/23 02:11	1
Surrogato	%Pocovory	Qualifier	l imite			Dropared	Analyzod	Dil Ess

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	114		70 - 130	08/01/23 11:10	08/02/23 02:11	1
o-Terphenyl (Surr)	127		70 - 130	08/01/23 11:10	08/02/23 02:11	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10600	100	mg/Kg			08/07/23 20:27	20

Client Sample ID: SW-06 Lab Sample ID: 880-31376-3

Date Collected: 07/26/23 13:15 Date Received: 07/28/23 10:40

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		08/01/23 10:59	08/02/23 19:04	1
Toluene	<0.00200	U	0.00200	mg/Kg		08/01/23 10:59	08/02/23 19:04	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		08/01/23 10:59	08/02/23 19:04	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		08/01/23 10:59	08/02/23 19:04	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		08/01/23 10:59	08/02/23 19:04	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		08/01/23 10:59	08/02/23 19:04	1
Surrogata	% Pagayary	Ouglifier	Limito			Droporod	Analyzad	Dil Ess

Surrogate	%Recovery	Qualifier	Limits	Prepared Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	08/01/23 10:59 08/02/23 19:0	1 1
1,4-Difluorobenzene (Surr)	109		70 - 130	08/01/23 10:59 08/02/23 19:0	1 1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Released to Imaging: 3/20/2024 10:55:29 AM

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	< 0.00401	U	0.00401	mg/Kg			08/02/23 19:43	1

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

Analyte	_		RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			08/02/23 10:27	1

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

	2 .000ug.	, -	(=:(=) (==)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0	mg/Kg		08/01/23 11:10	08/02/23 02:32	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<50.0	U	50.0	mg/Kg		08/01/23 11:10	08/02/23 02:32	1
C10-C28)								

Eurofins Midland

Matrix: Solid

Project/Site: JR Horz Fed Com #6

Job ID: 880-31376-1

SDG: NM

Client Sample ID: SW-06 Lab Sample ID: 880-31376-3 Date Collected: 07/26/23 13:15

Matrix: Solid

Date	Received:	07/28/23	10:40

Client: TRC Solutions, Inc.

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		08/01/23 11:10	08/02/23 02:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	115		70 - 130			08/01/23 11:10	08/02/23 02:32	1
o-Terphenyl (Surr)	124		70 - 130			08/01/23 11:10	08/02/23 02:32	1

Method: EPA 300.0 - Anions, Id	on Chromat	tography - S	Soluble					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	114		4.99	mg/Kg			08/01/23 13:24	1

Lab Sample ID: 880-31376-4 **Client Sample ID: SW-12** Date Collected: 07/26/23 13:30 **Matrix: Solid**

Date Received: 07/28/23 10:40

Total BTEX

(GRO)-C6-C10

o-Terphenyl (Surr)

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

<0.00399 U

129

Method: SW846 8021B - Vo	•		. ,		_	_		
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		08/01/23 10:59	08/02/23 19:25	1
Toluene	<0.00200	U	0.00200	mg/Kg		08/01/23 10:59	08/02/23 19:25	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		08/01/23 10:59	08/02/23 19:25	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		08/01/23 10:59	08/02/23 19:25	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		08/01/23 10:59	08/02/23 19:25	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		08/01/23 10:59	08/02/23 19:25	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130			08/01/23 10:59	08/02/23 19:25	1
1 4-Difluorobenzene (Surr)	111		70 - 130			08/01/23 10:59	08/02/23 19:25	1

Method: TAL SOP Total BTEX -	Total BTEX Calculation	n Di	linit D	Propared	Analyzod	Dil Esc
_ Г						
1,4-Difluorobenzene (Surr)	111	70 - 130		08/01/23 10:59	08/02/23 19:25	1
	• • • • • • • • • • • • • • • • • • • •			00/0//20 /0/00	00/02/20 /0/20	•

Method: SW846 8015 NM - Dies	sel Range Organic	s (DRO) (GC)					
Analyte	Result Qualifier	r RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2 U	50.2	mg/Kg			08/02/23 10:27	1

0.00399

mg/Kg

Total TPH	<50.2 U	50.2	mg/Kg			08/02/23 10:27	1
Method: SW846 8015B NM - D	iesel Range Oı	rganics (DRO) (GC)					
Analyte	Result Qu	alifier RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.2 U	50.2	ma/Ka		08/01/23 11:10	08/02/23 02:53	

1-Chlorooctane (Surr)	118		70 - 130		08/01/23 11:10	08/02/23 02:53	1
Surrogate	%Recovery	Qualifier	Limits		Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<50.2	U	50.2	mg/Kg	08/01/23 11:10	08/02/23 02:53	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2	mg/Kg	08/01/23 11:10	08/02/23 02:53	1

70 - 130

Method: EPA 300.0 - Anions, I	on Chromatography - S	oluble					
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	367	25.0	mg/Kg			08/01/23 13:31	5

Eurofins Midland

08/02/23 19:43

08/01/23 11:10 08/02/23 02:53

Project/Site: JR Horz Fed Com #6

Date Received: 07/28/23 10:40

Client: TRC Solutions, Inc.

Job ID: 880-31376-1

SDG: NM

Lab Sample ID: 880-31376-5 **Client Sample ID: SW-11** Date Collected: 07/26/23 13:45

Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00199	U	0.00199	mg/Kg		08/01/23 10:33	08/02/23 03:18	
Toluene	0.00331		0.00199	mg/Kg		08/01/23 10:33	08/02/23 03:18	
Ethylbenzene	< 0.00199	U	0.00199	mg/Kg		08/01/23 10:33	08/02/23 03:18	
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		08/01/23 10:33	08/02/23 03:18	
o-Xylene	< 0.00199	U	0.00199	mg/Kg		08/01/23 10:33	08/02/23 03:18	
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		08/01/23 10:33	08/02/23 03:18	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	148	S1+	70 - 130			08/01/23 10:33	08/02/23 03:18	
1,4-Difluorobenzene (Surr)	77		70 - 130			08/01/23 10:33	08/02/23 03:18	
Method: TAL SOP Total BTEX	. Total BTE	X Calculat	ion					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00398	U	0.00398	mg/Kg			08/02/23 15:47	
Method: SW846 8015 NM - Di	osol Pango (Organice (DPO) (GC)					
	eser italige	•	Dito) (GG)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
	Result		RL 49.8	mg/Kg	D	Prepared	Analyzed 08/02/23 10:27	Dil Fa
Total TPH	<49.8	U	49.8		<u>D</u>	Prepared		Dil Fa
Total TPH Method: SW846 8015B NM - [<49.8 Diesel Range	U	49.8		<u>D</u> D	Prepared Prepared		
Total TPH Method: SW846 8015B NM - I Analyte Gasoline Range Organics	<49.8 Diesel Range	Organics Qualifier	49.8 (DRO) (GC)	mg/Kg			08/02/23 10:27	
Total TPH Method: SW846 8015B NM - I Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	<49.8 Diesel Range Result	Organics Qualifier	49.8 (DRO) (GC)	mg/Kg Unit		Prepared	08/02/23 10:27 Analyzed 08/02/23 03:14	
Total TPH Method: SW846 8015B NM - I Analyte Gasoline Range Organics GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	<49.8 Diesel Range Result <49.8	Organics Qualifier U	49.8 (DRO) (GC) RL 49.8	mg/Kg Unit mg/Kg		Prepared 08/01/23 11:10 08/01/23 11:10	08/02/23 10:27 Analyzed 08/02/23 03:14	
Method: SW846 8015B NM - I Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	<49.8 Diesel Range Result <49.8 <49.8	Organics Qualifier U U	49.8 (DRO) (GC) RL 49.8 49.8	mg/Kg Unit mg/Kg mg/Kg		Prepared 08/01/23 11:10 08/01/23 11:10	08/02/23 10:27 Analyzed 08/02/23 03:14 08/02/23 03:14	Dil Fa
Method: SW846 8015B NM - I Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	<49.8 Diesel Range Result <49.8 <49.8 <49.8	Organics Qualifier U U	49.8 (DRO) (GC) RL 49.8 49.8 49.8	mg/Kg Unit mg/Kg mg/Kg		Prepared 08/01/23 11:10 08/01/23 11:10 08/01/23 11:10	08/02/23 10:27 Analyzed 08/02/23 03:14 08/02/23 03:14 08/02/23 03:14	Dil Fa
Method: SW846 8015B NM - I Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate	<49.8 Diesel Range Result <49.8 <49.8 <49.8 %Recovery	Organics Qualifier U U	49.8 (DRO) (GC) RL 49.8 49.8 49.8 Limits	mg/Kg Unit mg/Kg mg/Kg		Prepared 08/01/23 11:10 08/01/23 11:10 08/01/23 11:10 Prepared 08/01/23 11:10	08/02/23 10:27 Analyzed 08/02/23 03:14 08/02/23 03:14 08/02/23 03:14 Analyzed	Dil Fa
Method: SW846 8015B NM - EANAINTE Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane (Surr) o-Terphenyl (Surr)	<49.8 Diesel Range Result <49.8 <49.8 <49.8 <8ecovery 110 121	Organics Qualifier U U Qualifier	49.8 (DRO) (GC) RL 49.8 49.8 49.8 49.8 Limits 70 - 130 70 - 130	mg/Kg Unit mg/Kg mg/Kg		Prepared 08/01/23 11:10 08/01/23 11:10 08/01/23 11:10 Prepared 08/01/23 11:10	08/02/23 10:27 Analyzed 08/02/23 03:14 08/02/23 03:14 08/02/23 03:14 Analyzed 08/02/23 03:14	Dil Fa
Analyte Total TPH Method: SW846 8015B NM - E Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane (Surr) o-Terphenyl (Surr) Method: EPA 300.0 - Anions, Analyte	<49.8 Piesel Range Result <49.8 <49.8 <49.8 %Recovery 110 121 Ion Chroma	Organics Qualifier U U Qualifier	49.8 (DRO) (GC) RL 49.8 49.8 49.8 49.8 Limits 70 - 130 70 - 130	mg/Kg Unit mg/Kg mg/Kg		Prepared 08/01/23 11:10 08/01/23 11:10 08/01/23 11:10 Prepared 08/01/23 11:10	08/02/23 10:27 Analyzed 08/02/23 03:14 08/02/23 03:14 08/02/23 03:14 Analyzed 08/02/23 03:14	Dil Fa

Client Sample ID: SW-08 Lab Sample ID: 880-31376-6 Date Collected: 07/26/23 14:15 Matrix: Solid

Date Received: 07/28/23 10:40

Method: SW846 8021B - Vo	hod: SW846 8021B - Volatile Organic Compounds (GC)											
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac				
Benzene	<0.00200	U	0.00200	mg/Kg		08/01/23 10:33	08/02/23 03:43	1				
Toluene	< 0.00200	U	0.00200	mg/Kg		08/01/23 10:33	08/02/23 03:43	1				
Ethylbenzene	< 0.00200	U	0.00200	mg/Kg		08/01/23 10:33	08/02/23 03:43	1				
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		08/01/23 10:33	08/02/23 03:43	1				
o-Xylene	< 0.00200	U	0.00200	mg/Kg		08/01/23 10:33	08/02/23 03:43	1				
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		08/01/23 10:33	08/02/23 03:43	1				
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac				
4-Bromofluorobenzene (Surr)	171	S1+	70 - 130			08/01/23 10:33	08/02/23 03:43	1				
1,4-Difluorobenzene (Surr)	90		70 - 130			08/01/23 10:33	08/02/23 03:43	1				

Client: TRC Solutions, Inc.

Project/Site: JR Horz Fed Com #6

Job ID: 880-31376-1

SDG: NM

Client Sample ID: SW-08

Date Collected: 07/26/23 14:15 Date Received: 07/28/23 10:40

Lab Sample ID: 880-31376-6

Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			08/02/23 15:47	1

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

Analyte	Result Qu	ualifier RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7 U	49.7	mg/Kg			08/02/23 10:27	1

Hait

Method: SW846 8015B N	IM - Diesel Range Organics	(DRO) (GC)
Analyto	Pocult Qualifier	DI

Allalyte	Kesuit	Qualifier	NL.	Offic	D	riepaieu	Allalyzeu	DII Fac
Gasoline Range Organics	<49.7	U	49.7	mg/Kg		08/01/23 11:10	08/02/23 03:36	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<49.7	U	49.7	mg/Kg		08/01/23 11:10	08/02/23 03:36	1
C10-C28)								
Oll Range Organics (Over C28-C36)	<49.7	U	49.7	mg/Kg		08/01/23 11:10	08/02/23 03:36	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac

Junioguto	fortocovery quantito		, , opui ou	7 111 aly 20 a	
1-Chlorooctane (Surr)	117	70 - 130	08/01/23 11:10	08/02/23 03:36	
o-Terphenyl (Surr)	127	70 - 130	08/01/23 11:10	08/02/23 03:36	

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1560		25.3	mg/Kg			08/07/23 20:56	5

Client Sample ID: SW-05 Lab Sample ID: 880-31376-7 Date Collected: 07/26/23 13:00 **Matrix: Solid**

Date Received: 07/28/23 10:40

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

Analyte	Result	Qualifier	KL	Unit	D Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg	08/01/23 10:33	08/02/23 04:09	1
Toluene	< 0.00199	U	0.00199	mg/Kg	08/01/23 10:33	08/02/23 04:09	1
Ethylbenzene	< 0.00199	U	0.00199	mg/Kg	08/01/23 10:33	08/02/23 04:09	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg	08/01/23 10:33	08/02/23 04:09	1
o-Xylene	< 0.00199	U	0.00199	mg/Kg	08/01/23 10:33	08/02/23 04:09	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg	08/01/23 10:33	08/02/23 04:09	1
Surrogate	%Recovery	Qualifier	Limits		Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	138	S1+	70 - 130		08/01/23 10:33	08/02/23 04:09	1

	-		•	•	
4-Bromofluorobenzene (Surr)	138 S1+	70 - 130	08/01/23 10:33	08/02/23 04:09	1
1,4-Difluorobenzene (Surr)	89	70 - 130	08/01/23 10:33	08/02/23 04:09	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Released to Imaging: 3/20/2024 10:55:29 AM

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg		_	08/02/23 15:47	1

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

momount of the form	Diocol Harigo	J. garnee	(=::=) (==)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2	mg/Kg			08/02/23 10:27	1

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

	2 .000ug.	, -	(=::=) (==)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.2	U	50.2	mg/Kg		08/01/23 11:10	08/02/23 03:57	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<50.2	U	50.2	mg/Kg		08/01/23 11:10	08/02/23 03:57	1
C10-C28)								

Job ID: 880-31376-1

SDG: NM

Project/Site: JR Horz Fed Com #6 **Client Sample ID: SW-05**

Lab Sample ID: 880-31376-7

Matrix: Solid

Date Collected: 07/26/23 13:00 Date Received: 07/28/23 10:40

Client: TRC Solutions, Inc.

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<50.2	U	50.2	mg/Kg		08/01/23 11:10	08/02/23 03:57	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	104		70 - 130			08/01/23 11:10	08/02/23 03:57	1
o-Terphenyl (Surr)	114		70 - 130			08/01/23 11:10	08/02/23 03:57	1

Method: EPA 300.0 - Anions, I	on Chromat	tography - S	Soluble					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4880		50.3	mg/Kg			08/07/23 21:03	10

Lab Sample ID: 880-31376-8 Client Sample ID: SW-09

Date Received: 07/28/23 10:40

Date Collected: 07/27/23 12:30 **Matrix: Solid**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil F
Benzene	<0.00200	U	0.00200	mg/Kg		08/01/23 10:33	08/02/23 04:34	
Toluene	<0.00200	U	0.00200	mg/Kg		08/01/23 10:33	08/02/23 04:34	
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		08/01/23 10:33	08/02/23 04:34	
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		08/01/23 10:33	08/02/23 04:34	
o-Xylene	<0.00200	U	0.00200	mg/Kg		08/01/23 10:33	08/02/23 04:34	
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		08/01/23 10:33	08/02/23 04:34	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil F
4-Bromofluorobenzene (Surr)	170	S1+	70 - 130			08/01/23 10:33	08/02/23 04:34	
1,4-Difluorobenzene (Surr)	82		70 - 130			08/01/23 10:33	08/02/23 04:34	
Method: TAL SOP Total BTEX	. Total BTE	X Calculat	ion					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil F
Total BTEX	<0.00400	U	0.00400	mg/Kg			08/02/23 15:47	
Analyte Total TPH	<50.5	Qualifier U	RL 50.5	mg/Kg	<u>D</u>	Prepared	Analyzed 08/02/23 10:27	Dil F
Total TPH	<50.5	U	50.5	mg/Kg			08/02/23 10:27	
Method: SW846 8015B NM - D		_						
	_	_	. , . ,					
Analyte	Result	Qualifier	RL	Unit	<u>D</u>	Prepared	Analyzed	Dil F
Analyte Gasoline Range Organics	_	Qualifier	. , . ,	Unit mg/Kg	<u>D</u>	Prepared 08/01/23 11:10	Analyzed 08/02/23 04:17	Dil F
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result	Qualifier U	RL		<u>D</u>	08/01/23 11:10		Dil F
Analyte Gasoline Range Organics GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <50.5	Qualifier U	RL 50.5	mg/Kg	<u>D</u>	08/01/23 11:10 08/01/23 11:10	08/02/23 04:17	<u>Dil F</u>
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	<50.5 <50.5	Qualifier U U U	RL 50.5 50.5	mg/Kg	<u>D</u>	08/01/23 11:10 08/01/23 11:10	08/02/23 04:17 08/02/23 04:17	
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) DII Range Organics (Over C28-C36)	Result <50.5 <50.5 <50.5	Qualifier U U U	FRL 50.5 50.5 50.5	mg/Kg	<u>D</u>	08/01/23 11:10 08/01/23 11:10 08/01/23 11:10	08/02/23 04:17 08/02/23 04:17 08/02/23 04:17	
Analyte Gasoline Range Organics GRO)-C6-C10 Diesel Range Organics (Over C10-C28) DII Range Organics (Over C28-C36) Surrogate G-Chlorooctane (Surr)	Result <50.5 <50.5 <50.5 < 50.5	Qualifier U U U	8L 50.5 50.5 50.5 <i>Limits</i>	mg/Kg	<u>D</u>	08/01/23 11:10 08/01/23 11:10 08/01/23 11:10 Prepared 08/01/23 11:10	08/02/23 04:17 08/02/23 04:17 08/02/23 04:17 <i>Analyzed</i>	
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane (Surr) o-Terphenyl (Surr) Method: EPA 300.0 - Anions,	Result <50.5 <50.5 <50.5	Qualifier U U Qualifier	RL 50.5 50.5 50.5 Limits 70 - 130 70 - 130	mg/Kg	<u>D</u>	08/01/23 11:10 08/01/23 11:10 08/01/23 11:10 Prepared 08/01/23 11:10	08/02/23 04:17 08/02/23 04:17 08/02/23 04:17 Analyzed 08/02/23 04:17	Dil F
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane (Surr) D-Terphenyl (Surr)	Result	Qualifier U U Qualifier	RL 50.5 50.5 50.5 Limits 70 - 130 70 - 130	mg/Kg	<u>D</u>	08/01/23 11:10 08/01/23 11:10 08/01/23 11:10 Prepared 08/01/23 11:10	08/02/23 04:17 08/02/23 04:17 08/02/23 04:17 Analyzed 08/02/23 04:17	

Date Received: 07/28/23 10:40

Client: TRC Solutions, Inc. Project/Site: JR Horz Fed Com #6

Job ID: 880-31376-1

SDG: NM

Lab Sample ID: 880-31376-9 **Client Sample ID: SW-10** Date Collected: 07/27/23 13:45

Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		08/01/23 10:33	08/02/23 05:00	1
Toluene	0.00630		0.00200	mg/Kg		08/01/23 10:33	08/02/23 05:00	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		08/01/23 10:33	08/02/23 05:00	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		08/01/23 10:33	08/02/23 05:00	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		08/01/23 10:33	08/02/23 05:00	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		08/01/23 10:33	08/02/23 05:00	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	152	S1+	70 - 130			08/01/23 10:33	08/02/23 05:00	1
1,4-Difluorobenzene (Surr)	87		70 - 130			08/01/23 10:33	08/02/23 05:00	1
- Method: TAL SOP Total BTEX	(- Total BTE	X Calculat	ion					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00630		0.00401	mg/Kg			08/02/23 15:47	1
Method: SW846 8015 NM - Di	_	•	, , ,		_			
Analyte		Qualifier	RL	Unit	_ D	Prepared	Analyzed	Dil Fac
Total TPH	51.2		50.5	mg/Kg			08/02/23 10:27	1
Method: SW846 8015B NM - D	Diesel Range	Organics	(DRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.5	U	50.5	mg/Kg		08/01/23 11:10	08/02/23 04:38	1
Gasonine Mange Organics								
(GRO)-C6-C10								
(GRO)-C6-C10 Diesel Range Organics (Over	51.2		50.5	mg/Kg		08/01/23 11:10	08/02/23 04:38	1
(GRO)-C6-C10 Diesel Range Organics (Over C10-C28)				5 5				·
(GRO)-C6-C10 Diesel Range Organics (Over	51.2 <50.5	U	50.5 50.5	mg/Kg mg/Kg			08/02/23 04:38 08/02/23 04:38	1
(GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate	<50.5		50.5 <i>Limits</i>	5 5		08/01/23 11:10 Prepared	08/02/23 04:38 Analyzed	·
(GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	<50.5		50.5	5 5		08/01/23 11:10	08/02/23 04:38	1

RL

24.8

Unit

mg/Kg

Prepared

Analyzed

08/07/23 21:31

Analyte

Chloride

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Result Qualifier

1220

Surrogate Summary

Client: TRC Solutions, Inc. Job ID: 880-31376-1 Project/Site: JR Horz Fed Com #6

SDG: NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

			Percent S	urrogate Recovery (Acceptance Limits)
		BFB1	DFBZ1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-31298-A-1-D MS	Matrix Spike	137 S1+	97	
880-31298-A-1-E MSD	Matrix Spike Duplicate	149 S1+	97	
880-31375-A-21-B MS	Matrix Spike	112	100	
880-31375-A-21-C MSD	Matrix Spike Duplicate	105	99	
880-31376-1	SW-03	100	109	
880-31376-2	SW-04	98	108	
880-31376-3	SW-06	108	109	
880-31376-4	SW-12	95	111	
880-31376-5	SW-11	148 S1+	77	
880-31376-6	SW-08	171 S1+	90	
880-31376-7	SW-05	138 S1+	89	
880-31376-8	SW-09	170 S1+	82	
880-31376-9	SW-10	152 S1+	87	
LCS 880-58990/1-A	Lab Control Sample	128	108	
LCS 880-58998/1-A	Lab Control Sample	102	98	
LCSD 880-58990/2-A	Lab Control Sample Dup	114	74	
LCSD 880-58998/2-A	Lab Control Sample Dup	117	94	
MB 880-58815/5-A	Method Blank	73	93	
MB 880-58990/5-A	Method Blank	80	83	
MB 880-58998/5-A	Method Blank	85	89	

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

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

Matrix: Solid Prep Type: Total/NA

			Per
		1001	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-31375-A-26-D MS	Matrix Spike	103	107
880-31375-A-26-E MSD	Matrix Spike Duplicate	112	111
880-31376-1	SW-03	116	132 S1+
880-31376-2	SW-04	114	127
880-31376-3	SW-06	115	124
880-31376-4	SW-12	118	129
880-31376-5	SW-11	110	121
880-31376-6	SW-08	117	127
880-31376-7	SW-05	104	114
880-31376-8	SW-09	116	126
880-31376-9	SW-10	129	141 S1+
LCS 880-59001/2-A	Lab Control Sample	81	89
LCSD 880-59001/3-A	Lab Control Sample Dup	82	90
MB 880-59001/1-A	Method Blank	155 S1+	174 S1+

1CO = 1-Chlorooctane (Surr)

OTPH = o-Terphenyl (Surr)

Client: TRC Solutions, Inc. Job ID: 880-31376-1 Project/Site: JR Horz Fed Com #6

SDG: NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-58815/5-A

Matrix: Solid

Analysis Batch: 58964

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 58815

	MB	MR						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		07/31/23 09:23	08/01/23 11:55	1
Toluene	<0.00200	U	0.00200	mg/Kg		07/31/23 09:23	08/01/23 11:55	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/31/23 09:23	08/01/23 11:55	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		07/31/23 09:23	08/01/23 11:55	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/31/23 09:23	08/01/23 11:55	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		07/31/23 09:23	08/01/23 11:55	1

MB MB

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	73	70 - 130
1,4-Difluorobenzene (Surr)	93	70 - 130

Prepared Analyzed Dil Fac 07/31/23 09:23 08/01/23 11:55 07/31/23 09:23 08/01/23 11:55

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

Prep Batch: 58990

Matrix: Solid

Lab Sample ID: MB 880-58990/5-A

Analysis Batch: 58964

	MB I	MB						
Analyte	Result (Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200 U	U	0.00200	mg/Kg		08/01/23 10:33	08/02/23 01:11	1
Toluene	<0.00200 l	U	0.00200	mg/Kg		08/01/23 10:33	08/02/23 01:11	1
Ethylbenzene	<0.00200 l	U	0.00200	mg/Kg		08/01/23 10:33	08/02/23 01:11	1
m,p-Xylenes	<0.00400 l	U	0.00400	mg/Kg		08/01/23 10:33	08/02/23 01:11	1
o-Xylene	<0.00200 l	U	0.00200	mg/Kg		08/01/23 10:33	08/02/23 01:11	1
Xylenes, Total	<0.00400 l	U	0.00400	mg/Kg		08/01/23 10:33	08/02/23 01:11	1

MB MB

Surrogate	%Recovery Q	Qualifier Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	80	70 - 130	08/01/23 10:33	08/02/23 01:11	1
1,4-Difluorobenzene (Surr)	83	70 - 130	08/01/23 10:33	08/02/23 01:11	1

Lab Sample ID: LCS 880-58990/1-A

Matrix: Solid

Analysis Batch: 58964

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

Client Sample ID: Lab Control Sample Dup

Prep Batch: 58990

Spike	LCS	LCS				%Rec	
Added	Result	Qualifier	Unit	D	%Rec	Limits	
0.100	0.1132		mg/Kg		113	70 - 130	
0.100	0.1137		mg/Kg		114	70 - 130	
0.100	0.1119		mg/Kg		112	70 - 130	
0.200	0.2278		mg/Kg		114	70 - 130	
0.100	0.1085		mg/Kg		109	70 - 130	
	Added 0.100 0.100 0.100 0.200	Added Result 0.100 0.1132 0.100 0.1137 0.100 0.1119 0.200 0.2278	Added Result Qualifier 0.100 0.1132 0.100 0.1137 0.100 0.1119 0.200 0.2278	Added Result Qualifier Unit 0.100 0.1132 mg/Kg 0.100 0.1137 mg/Kg 0.100 0.1119 mg/Kg 0.200 0.2278 mg/Kg	Added Result Qualifier Unit D 0.100 0.1132 mg/Kg 0.100 0.1137 mg/Kg 0.100 0.1119 mg/Kg 0.200 0.2278 mg/Kg	Added Result Qualifier Unit D %Rec 0.100 0.1132 mg/Kg 113 0.100 0.1137 mg/Kg 114 0.100 0.1119 mg/Kg 112 0.200 0.2278 mg/Kg 114	Added Result Qualifier Unit D %Rec Limits 0.100 0.1132 mg/Kg 113 70 - 130 0.100 0.1137 mg/Kg 114 70 - 130 0.100 0.1119 mg/Kg 112 70 - 130 0.200 0.2278 mg/Kg 114 70 - 130

LCS LCS

Surrogate	%Recovery Qualified	r Limits
4-Bromofluorobenzene (Surr)	128	70 - 130
1,4-Difluorobenzene (Surr)	108	70 - 130

Lab Sample ID: LCSD 880-58990/2-A

Matrix: Solid							Prep Ty	pe: Tot	al/NA
Analysis Batch: 58964							Prep E	Batch: 8	58990
	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.09487		mg/Kg		95	70 - 130	18	35

QC Sample Results

Client: TRC Solutions, Inc. Job ID: 880-31376-1 Project/Site: JR Horz Fed Com #6

SDG: NM

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

Lab Sample ID: LCSD 880-58990/2-A

Matrix: Solid

Analysis Batch: 58964

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA Prep Batch: 58990

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Toluene	0.100	0.1006		mg/Kg		101	70 - 130	12	35
Ethylbenzene	0.100	0.1024		mg/Kg		102	70 - 130	9	35
m,p-Xylenes	0.200	0.2067		mg/Kg		103	70 - 130	10	35
o-Xylene	0.100	0.09669		mg/Kg		97	70 - 130	12	35

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	114		70 - 130
1,4-Difluorobenzene (Surr)	74		70 - 130

Lab Sample ID: 880-31298-A-1-D MS **Client Sample ID: Matrix Spike**

Matrix: Solid

Analysis Batch: 58964

Prep Type: Total/NA

Prep Batch: 58990

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00200	U	0.0996	0.1021		mg/Kg		103	70 - 130	
Toluene	<0.00200	U	0.0996	0.08881		mg/Kg		88	70 - 130	
Ethylbenzene	<0.00200	U	0.0996	0.07294		mg/Kg		73	70 - 130	
m,p-Xylenes	<0.00399	U	0.199	0.1536		mg/Kg		77	70 - 130	
o-Xylene	<0.00200	U	0.0996	0.07078		mg/Kg		71	70 - 130	

MS MS

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	137	S1+	70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: 880-31298-A-1-E MSD

Matrix: Solid

Analysis Batch: 58964

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 58990

_	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00200	U	0.0994	0.1033		mg/Kg		104	70 - 130	1	35
Toluene	<0.00200	U	0.0994	0.09014		mg/Kg		89	70 - 130	1	35
Ethylbenzene	<0.00200	U	0.0994	0.07476		mg/Kg		75	70 - 130	2	35
m,p-Xylenes	<0.00399	U	0.199	0.1561		mg/Kg		78	70 - 130	2	35
o-Xylene	<0.00200	U	0.0994	0.07104		mg/Kg		71	70 - 130	0	35

MSD MSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	149	S1+	70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: MB 880-58998/5-A

Matrix: Solid

Analysis Batch: 59072

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

Prep Batch: 58998

MB MB

Analyte	Result	Qualifier	RL	Unit	D Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg	08/01/23 10:59	08/02/23 11:28	1
Toluene	<0.00200	U	0.00200	mg/Kg	08/01/23 10:59	08/02/23 11:28	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg	08/01/23 10:59	08/02/23 11:28	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg	08/01/23 10:59	08/02/23 11:28	1

Client: TRC Solutions, Inc. Job ID: 880-31376-1 Project/Site: JR Horz Fed Com #6

SDG: NM

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

Lab Sample ID: MB 880-58998/5-A

Matrix: Solid Analysis Batch: 59072

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

Prep Batch: 58998

Analyte Result Qualifier RL Unit Prepared Analyzed Dil Fac o-Xylene <0.00200 U 0.00200 mg/Kg 08/01/23 10:59 08/02/23 11:28 <0.00400 U 0.00400 08/02/23 11:28 Xylenes, Total mg/Kg 08/01/23 10:59

MB MB

MB MB

Surrogate	%Recovery	Qualifier Lim	its	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85	70 -	130	08/01/23 10:59	08/02/23 11:28	1
1,4-Difluorobenzene (Surr)	89	70 -	130	08/01/23 10:59	08/02/23 11:28	1

Lab Sample ID: LCS 880-58998/1-A **Client Sample ID: Lab Control Sample** Prep Type: Total/NA

Matrix: Solid

o-Xylene

Analysis Batch: 59072

Prep Batch: 58998 LCS LCS Spike %Rec Analyte Added Result Qualifier Unit D %Rec Limits Benzene 0.100 0.08152 mg/Kg 82 70 - 130 Toluene 0.100 0.09894 mg/Kg 99 70 - 130 Ethylbenzene 0.100 0.09448 mg/Kg 94 70 - 130 m,p-Xylenes 0.200 0.1854 mg/Kg 93 70 - 130

0.09315

mg/Kg

0.100

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		70 - 130
1.4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: LCSD 880-58998/2-A

Matrix: Solid

Analysis Batch: 59072

Client Sample ID: Lab Control Sample Dup

93

70 - 130

Prep Type: Total/NA Prep Batch: 58998

Spike LCSD LCSD %Rec **RPD** Analyte Added Result Qualifier Unit D %Rec Limits **RPD** Limit Benzene 0.100 0.08176 70 - 130 mg/Kg 82 0 35 Toluene 0.100 0.1096 mg/Kg 110 70 - 130 10 35 Ethylbenzene 0.100 0.1114 mg/Kg 111 70 - 130 16 35 m,p-Xylenes 0.200 0.2243 mg/Kg 112 70 - 130 19 35 o-Xylene 0.100 0.1133 mg/Kg 113 70 - 130 20 35

LCSD LCSD

Surrogate	%Recovery Qualifie	er Limits
4-Bromofluorobenzene (Surr)	117	70 - 130
1,4-Difluorobenzene (Surr)	94	70 - 130

Lab Sample ID: 880-31375-A-21-B MS

Matrix: Solid

Analysis Batch: 59072

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 58998

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00202	U F1 F2	0.0996	0.08247		mg/Kg		83	70 - 130	
Toluene	<0.00202	U F1 F2	0.0996	0.1012		mg/Kg		102	70 - 130	
Ethylbenzene	<0.00202	U F1 F2	0.0996	0.09528		mg/Kg		96	70 - 130	
m,p-Xylenes	<0.00404	U F1 F2	0.199	0.1872		mg/Kg		94	70 - 130	
o-Xylene	<0.00202	U F1 F2	0.0996	0.09532		mg/Kg		96	70 - 130	

Client: TRC Solutions, Inc. Job ID: 880-31376-1 Project/Site: JR Horz Fed Com #6

SDG: NM

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

Lab Sample ID: 880-31375-A-21-B MS Client Sample ID: Matrix Spike

Matrix: Solid

Analysis Batch: 59072

Prep Type: Total/NA

Prep Batch: 58998

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	112		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: 880-31375-A-21-C MSD Client Sample ID: Matrix Spike Duplicate

Matrix: Solid

Analysis Batch: 59072

Prep Type: Total/NA

Prep Batch: 58998

•	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00202	U F1 F2	0.0998	0.04591	F1 F2	mg/Kg		46	70 - 130	57	35
Toluene	<0.00202	U F1 F2	0.0998	0.05534	F1 F2	mg/Kg		55	70 - 130	59	35
Ethylbenzene	<0.00202	U F1 F2	0.0998	0.04655	F1 F2	mg/Kg		47	70 - 130	69	35
m,p-Xylenes	<0.00404	U F1 F2	0.200	0.09047	F1 F2	mg/Kg		45	70 - 130	70	35
o-Xylene	<0.00202	U F1 F2	0.0998	0.04934	F1 F2	mg/Kg		49	70 - 130	64	35

MSD MSD

%Recovery Qualifier Surrogate Limits 4-Bromofluorobenzene (Surr) 105 70 - 130 99 70 - 130 1,4-Difluorobenzene (Surr)

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

Matrix: Solid

Analysis Batch: 58963

Lab Sample ID: MB 880-59001/1-A

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

Prep Batch: 59001

•	MB	MB					•	
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg	_	08/01/23 11:10	08/01/23 19:54	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		08/01/23 11:10	08/01/23 19:54	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		08/01/23 11:10	08/01/23 19:54	1

MB MB %Recovery Qualifier Surrogate Limits Prepared Analyzed Dil Fac 1-Chlorooctane (Surr) 155 S1+ 70 - 130 08/01/23 11:10 08/01/23 19:54 o-Terphenyl (Surr) 174 S1+ 70 - 130 08/01/23 11:10 08/01/23 19:54

Lab Sample ID: LCS 880-59001/2-A

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Matrix: Solid

Analysis Batch: 58963

Client Sample ID: Lab Control Sample

Prep Batch: 59001

•	Spike	LCS	LCS				%Rec
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits
Gasoline Range Organics	1000	956.2		mg/Kg		96	70 - 130
(GRO)-C6-C10							
Diesel Range Organics (Over	1000	914.6		mg/Kg		91	70 - 130
0.10.000)							

C10-C28)

	LCS LCS	
Surrogate	%Recovery Qualifie	r Limits
1-Chlorooctane (Surr)	81	70 - 130
o-Terphenyl (Surr)	89	70 - 130

Client: TRC Solutions, Inc. Job ID: 880-31376-1

SDG: NM

Project/Site: JR Horz Fed Com #6

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

Lab Sample ID: LCSD 880-59001/3-A Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Prep Type: Total/NA **Analysis Batch: 58963** Prep Batch: 59001

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	1000	898.4		mg/Kg		90	70 - 130	6	20
(GRO)-C6-C10									
Diesel Range Organics (Over	1000	879.9		mg/Kg		88	70 - 130	4	20
C10-C28)									

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	82		70 - 130
o-Terphenyl (Surr)	90		70 - 130

Client Sample ID: Matrix Spike Lab Sample ID: 880-31375-A-26-D MS

Matrix: Solid

Prep Type: Total/NA **Analysis Batch: 58963** Prep Batch: 59001

MS MS %Rec Sample Sample Spike

	Campic	Campic	Opinc	14.0					/01 CC	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	1010	1258		mg/Kg	_	122	70 - 130	
Diesel Range Organics (Over C10-C28)	<49.8	U	1010	899.4		mg/Kg		85	70 - 130	

MS MS Surrogate %Recovery Qualifier Limits 1-Chlorooctane (Surr) 103 70 - 130 o-Terphenyl (Surr) 107 70 - 130

Lab Sample ID: 880-31375-A-26-E MSD

Matrix: Solid

Analysis	Batch: 58963									Prep E	atch: 5	59001
		Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte		Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline R (GRO)-C6-	Range Organics •C10	<49.8	U	1010	1314		mg/Kg		127	70 - 130	4	20
Diesel Ran C10-C28)	ge Organics (Over	<49.8	U	1010	948.1		mg/Kg		90	70 - 130	5	20

MSD MSD Surrogate %Recovery Qualifier Limits 1-Chlorooctane (Surr) 112 70 - 130 111 70 - 130 o-Terphenyl (Surr)

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-58764/1-A **Client Sample ID: Method Blank Matrix: Solid Prep Type: Soluble**

Analysis Batch: 58908

	MB	MB							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	<5.00	U	5.00	mg/Kg			08/01/23 00:26	1	

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Client: TRC Solutions, Inc. Job ID: 880-31376-1 Project/Site: JR Horz Fed Com #6

SDG: NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-58764/2-A Client Sample ID: Lab Control Sample **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 58908

Spike LCS LCS %Rec Result Qualifier Added Limits Analyte Unit D %Rec Chloride 250 243.3 mg/Kg 97 90 - 110

Lab Sample ID: LCSD 880-58764/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 58908

Spike LCSD LCSD %Rec **RPD** Added Result Qualifier Unit D %Rec Limits RPD Limit Analyte 250 90 - 110 Chloride 243.8 mg/Kg 98 n

Lab Sample ID: 880-31410-A-1-B MS Client Sample ID: Matrix Spike **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 58908

Sample Sample Spike MS MS %Rec Result Qualifier Added Result Qualifier Limits Analyte Unit %Rec

Chloride 2490 F1 1250 4039 F1 124 90 - 110 mg/Kg **Client Sample ID: Matrix Spike Duplicate**

Lab Sample ID: 880-31410-A-1-C MSD

Matrix: Solid

Analysis Batch: 58908

Spike MSD MSD %Rec **RPD** Sample Sample Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits **RPD** Limit 1250 4041 F1 Chloride 2490 mg/Kg 124 90 - 110

Lab Sample ID: 880-31415-A-9-B MS **Client Sample ID: Matrix Spike Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 58908

Sample Sample Spike MS MS %Rec Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits Chloride 682 252 927.5 97 mg/Kg 90 - 110

Lab Sample ID: 880-31415-A-9-C MSD

Matrix: Solid

Analysis Batch: 58908

Sample Sample Spike MSD MSD %Rec **RPD** Result Qualifier Added %Rec **RPD** Analyte Result Qualifier Unit Limits Limit D 682 252 Chloride 930.3 mg/Kg 99 90 - 110

Lab Sample ID: MB 880-58766/1-A Client Sample ID: Method Blank **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 58916

MB MB

Result Qualifier RL Unit D Analyte Prepared Analyzed 5.00 Chloride <5.00 U mg/Kg 08/01/23 10:32

Lab Sample ID: LCS 880-58766/2-A **Client Sample ID: Lab Control Sample Matrix: Solid Prep Type: Soluble**

Analysis Batch: 58916

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Spike LCS LCS %Rec Added Analyte Result Qualifier Unit D %Rec Limits Chloride 250 238.0 mg/Kg 95 90 - 110

Eurofins Midland

Prep Type: Soluble

Prep Type: Soluble

Client Sample ID: Matrix Spike Duplicate

Dil Fac

Client: TRC Solutions, Inc. Job ID: 880-31376-1

Project/Site: JR Horz Fed Com #6 SDG: NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCSD 880-58766/3-A Client Sample ID: Lab Control Sample Dup **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 58916

	Spike	LCSD	LCSD				%Rec		RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Chloride	250	236.5		mg/Kg		95	90 - 110	1	20	

Lab Sample ID: 880-31375-A-32-B MS **Client Sample ID: Matrix Spike Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 58916

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	33200	F1	12400	44330		ma/Ka		90	90 - 110	 •

Lab Sample ID: 880-31375-A-32-C MSD **Client Sample ID: Matrix Spike Duplicate Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 58916

Sample Sample Spike MSD MSD %Rec RPD Analyte Result Qualifier Added Result Qualifier Limits RPD Limit Unit %Rec Chloride 33200 F1 12400 44280 F1 89 90 - 110 mg/Kg

Lab Sample ID: MB 880-59232/1-A **Client Sample ID: Method Blank Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 59240

MB MB

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00		5.00	mg/Kg			08/03/23 10:52	1

Lab Sample ID: LCS 880-59232/2-A **Client Sample ID: Lab Control Sample Matrix: Solid Prep Type: Soluble**

Analysis Batch: 59240

	Spike	LUS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	250	244.2		malka	_	0.8	00 110	

Lab Sample ID: LCSD 880-59232/3-A Client Sample ID: Lab Control Sample Dup **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 59240

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	250	244.3		mg/Kg	_	98	90 - 110	0	20

Lab Sample ID: 880-31376-2 MS Client Sample ID: SW-04

Matrix: Solid

Analysis Batch: 59240

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	10000		5000	14590		ma/Ka		91	90 - 110	

Lab Sample ID: 880-31376-2 MSD Client Sample ID: SW-04

Matrix: Solid

Analysis Batch: 59240

Released to Imaging: 3/20/2024 10:55:29 AM

·, ·											
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	10000		5000	14590		mg/Kg		91	90 - 110	0	20

Eurofins Midland

Prep Type: Soluble

Prep Type: Soluble

QC Sample Results

Client: TRC Solutions, Inc. Job ID: 880-31376-1 Project/Site: JR Horz Fed Com #6

SDG: NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-59533/1-A

Client Sample ID: Method Blank

Prep Type: Soluble

Analysis Batch: 59608

Matrix: Solid

MB MB

Analyte Result Qualifier RL Unit Analyzed Dil Fac D Prepared 5.00 08/07/23 20:06 Chloride <5.00 U mg/Kg

Lab Sample ID: LCS 880-59533/2-A **Client Sample ID: Lab Control Sample Matrix: Solid Prep Type: Soluble**

Analysis Batch: 59608

Spike LCS LCS %Rec Analyte Added Result Qualifier Unit D %Rec Limits Chloride 250 259.9 90 - 110 mg/Kg 104

Lab Sample ID: LCSD 880-59533/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 59608

Spike LCSD LCSD %Rec RPD Added Result Qualifier Limits **RPD** Limit **Analyte** Unit D %Rec Chloride 250 261.8 105 20 mg/Kg

Lab Sample ID: 880-31376-2 MS Client Sample ID: SW-04 **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 59608

Spike MS MS %Rec Sample Sample Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits Chloride 10600 5010 16030 108 mg/Kg 90 - 110

Lab Sample ID: 880-31376-2 MSD Client Sample ID: SW-04

Matrix: Solid

Analysis Batch: 59608

MSD MSD RPD Sample Sample Spike %Rec Analyte Result Qualifier Added Unit %Rec Limits Result Qualifier **RPD** Limit Chloride 10600 5010 16150 110 20 mg/Kg 90 - 110

Eurofins Midland

Prep Type: Soluble

Job ID: 880-31376-1 Client: TRC Solutions, Inc. Project/Site: JR Horz Fed Com #6 SDG: NM

GC VOA

Prep Batch: 58815

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-58815/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 58964

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31376-5	SW-11	Total/NA	Solid	8021B	58990
880-31376-6	SW-08	Total/NA	Solid	8021B	58990
880-31376-7	SW-05	Total/NA	Solid	8021B	58990
880-31376-8	SW-09	Total/NA	Solid	8021B	58990
880-31376-9	SW-10	Total/NA	Solid	8021B	58990
MB 880-58815/5-A	Method Blank	Total/NA	Solid	8021B	58815
MB 880-58990/5-A	Method Blank	Total/NA	Solid	8021B	58990
LCS 880-58990/1-A	Lab Control Sample	Total/NA	Solid	8021B	58990
LCSD 880-58990/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	58990
880-31298-A-1-D MS	Matrix Spike	Total/NA	Solid	8021B	58990
880-31298-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	58990

Prep Batch: 58990

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31376-5	SW-11	Total/NA	Solid	5035	<u> </u>
880-31376-6	SW-08	Total/NA	Solid	5035	
880-31376-7	SW-05	Total/NA	Solid	5035	
880-31376-8	SW-09	Total/NA	Solid	5035	
880-31376-9	SW-10	Total/NA	Solid	5035	
MB 880-58990/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-58990/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-58990/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-31298-A-1-D MS	Matrix Spike	Total/NA	Solid	5035	
880-31298-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 58998

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31376-1	SW-03	Total/NA	Solid	5035	
880-31376-2	SW-04	Total/NA	Solid	5035	
880-31376-3	SW-06	Total/NA	Solid	5035	
880-31376-4	SW-12	Total/NA	Solid	5035	
MB 880-58998/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-58998/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-58998/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-31375-A-21-B MS	Matrix Spike	Total/NA	Solid	5035	
880-31375-A-21-C MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 59072

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31376-1	SW-03	Total/NA	Solid	8021B	58998
880-31376-2	SW-04	Total/NA	Solid	8021B	58998
880-31376-3	SW-06	Total/NA	Solid	8021B	58998
880-31376-4	SW-12	Total/NA	Solid	8021B	58998
MB 880-58998/5-A	Method Blank	Total/NA	Solid	8021B	58998
LCS 880-58998/1-A	Lab Control Sample	Total/NA	Solid	8021B	58998
LCSD 880-58998/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	58998
880-31375-A-21-B MS	Matrix Spike	Total/NA	Solid	8021B	58998

Job ID: 880-31376-1 Client: TRC Solutions, Inc. Project/Site: JR Horz Fed Com #6

SDG: NM

GC VOA (Continued)

Analysis Batch: 59072 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31375-A-21-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	58998

Analysis Batch: 59134

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31376-1	SW-03	Total/NA	Solid	Total BTEX	
880-31376-2	SW-04	Total/NA	Solid	Total BTEX	
880-31376-3	SW-06	Total/NA	Solid	Total BTEX	
880-31376-4	SW-12	Total/NA	Solid	Total BTEX	
880-31376-5	SW-11	Total/NA	Solid	Total BTEX	
880-31376-6	SW-08	Total/NA	Solid	Total BTEX	
880-31376-7	SW-05	Total/NA	Solid	Total BTEX	
880-31376-8	SW-09	Total/NA	Solid	Total BTEX	
880-31376-9	SW-10	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 58963

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31376-1	SW-03	Total/NA	Solid	8015B NM	59001
880-31376-2	SW-04	Total/NA	Solid	8015B NM	59001
880-31376-3	SW-06	Total/NA	Solid	8015B NM	59001
880-31376-4	SW-12	Total/NA	Solid	8015B NM	59001
880-31376-5	SW-11	Total/NA	Solid	8015B NM	59001
880-31376-6	SW-08	Total/NA	Solid	8015B NM	59001
880-31376-7	SW-05	Total/NA	Solid	8015B NM	59001
880-31376-8	SW-09	Total/NA	Solid	8015B NM	59001
880-31376-9	SW-10	Total/NA	Solid	8015B NM	59001
MB 880-59001/1-A	Method Blank	Total/NA	Solid	8015B NM	59001
LCS 880-59001/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	59001
LCSD 880-59001/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	59001
880-31375-A-26-D MS	Matrix Spike	Total/NA	Solid	8015B NM	59001
880-31375-A-26-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	59001

Prep Batch: 59001

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31376-1	SW-03	Total/NA	Solid	8015NM Prep	
880-31376-2	SW-04	Total/NA	Solid	8015NM Prep	
880-31376-3	SW-06	Total/NA	Solid	8015NM Prep	
880-31376-4	SW-12	Total/NA	Solid	8015NM Prep	
880-31376-5	SW-11	Total/NA	Solid	8015NM Prep	
880-31376-6	SW-08	Total/NA	Solid	8015NM Prep	
880-31376-7	SW-05	Total/NA	Solid	8015NM Prep	
880-31376-8	SW-09	Total/NA	Solid	8015NM Prep	
880-31376-9	SW-10	Total/NA	Solid	8015NM Prep	
MB 880-59001/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-59001/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-59001/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-31375-A-26-D MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-31375-A-26-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Job ID: 880-31376-1 Client: TRC Solutions, Inc. SDG: NM Project/Site: JR Horz Fed Com #6

GC Semi VOA

Analysis Batch: 59096

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31376-1	SW-03	Total/NA	Solid	8015 NM	
880-31376-2	SW-04	Total/NA	Solid	8015 NM	
880-31376-3	SW-06	Total/NA	Solid	8015 NM	
880-31376-4	SW-12	Total/NA	Solid	8015 NM	
880-31376-5	SW-11	Total/NA	Solid	8015 NM	
880-31376-6	SW-08	Total/NA	Solid	8015 NM	
880-31376-7	SW-05	Total/NA	Solid	8015 NM	
880-31376-8	SW-09	Total/NA	Solid	8015 NM	
880-31376-9	SW-10	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 58764

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-58764/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-58764/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-58764/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-31410-A-1-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-31410-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	
880-31415-A-9-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-31415-A-9-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Leach Batch: 58766

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31376-1	SW-03	Soluble	Solid	DI Leach	
880-31376-3	SW-06	Soluble	Solid	DI Leach	
880-31376-4	SW-12	Soluble	Solid	DI Leach	
MB 880-58766/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-58766/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-58766/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-31375-A-32-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-31375-A-32-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 58908

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-58764/1-A	Method Blank	Soluble	Solid	300.0	58764
LCS 880-58764/2-A	Lab Control Sample	Soluble	Solid	300.0	58764
LCSD 880-58764/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	58764
880-31410-A-1-B MS	Matrix Spike	Soluble	Solid	300.0	58764
880-31410-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	58764
880-31415-A-9-B MS	Matrix Spike	Soluble	Solid	300.0	58764
880-31415-A-9-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	58764

Analysis Batch: 58916

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31376-1	SW-03	Soluble	Solid	300.0	58766
880-31376-3	SW-06	Soluble	Solid	300.0	58766
880-31376-4	SW-12	Soluble	Solid	300.0	58766
MB 880-58766/1-A	Method Blank	Soluble	Solid	300.0	58766
LCS 880-58766/2-A	Lab Control Sample	Soluble	Solid	300.0	58766
LCSD 880-58766/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	58766

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QC Association Summary

Client: TRC Solutions, Inc.

Project/Site: JR Horz Fed Com #6

Job ID: 880-31376-1

SDG: NM

HPLC/IC (Continued)

Analysis Batch: 58916 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31375-A-32-B MS	Matrix Spike	Soluble	Solid	300.0	58766
880-31375-A-32-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	58766

Leach Batch: 59232

Lab Sample ID MB 880-59232/1-A	Client Sample ID Method Blank	Prep Type Soluble	Matrix Solid	Method Prep Ba	atch
LCS 880-59232/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-59232/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-31376-2 MS	SW-04	Soluble	Solid	DI Leach	
880-31376-2 MSD	SW-04	Soluble	Solid	DI Leach	

Analysis Batch: 59240

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-59232/1-A	Method Blank	Soluble	Solid	300.0	59232
LCS 880-59232/2-A	Lab Control Sample	Soluble	Solid	300.0	59232
LCSD 880-59232/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	59232
880-31376-2 MS	SW-04	Soluble	Solid	300.0	59232
880-31376-2 MSD	SW-04	Soluble	Solid	300.0	59232

Leach Batch: 59533

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31376-2	SW-04	Soluble	Solid	DI Leach	<u> </u>
880-31376-5	SW-11	Soluble	Solid	DI Leach	
880-31376-6	SW-08	Soluble	Solid	DI Leach	
880-31376-7	SW-05	Soluble	Solid	DI Leach	
880-31376-8	SW-09	Soluble	Solid	DI Leach	
880-31376-9	SW-10	Soluble	Solid	DI Leach	
MB 880-59533/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-59533/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-59533/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-31376-2 MS	SW-04	Soluble	Solid	DI Leach	
880-31376-2 MSD	SW-04	Soluble	Solid	DI Leach	

Analysis Batch: 59608

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31376-2	SW-04	Soluble	Solid	300.0	59533
880-31376-5	SW-11	Soluble	Solid	300.0	59533
880-31376-6	SW-08	Soluble	Solid	300.0	59533
880-31376-7	SW-05	Soluble	Solid	300.0	59533
880-31376-8	SW-09	Soluble	Solid	300.0	59533
880-31376-9	SW-10	Soluble	Solid	300.0	59533
MB 880-59533/1-A	Method Blank	Soluble	Solid	300.0	59533
LCS 880-59533/2-A	Lab Control Sample	Soluble	Solid	300.0	59533
LCSD 880-59533/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	59533
880-31376-2 MS	SW-04	Soluble	Solid	300.0	59533
880-31376-2 MSD	SW-04	Soluble	Solid	300.0	59533

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Client: TRC Solutions, Inc.

Project/Site: JR Horz Fed Com #6

Job ID: 880-31376-1

SDG: NM

Client Sample ID: SW-03

Date Collected: 07/26/23 14:00 Date Received: 07/28/23 10:40 Lab Sample ID: 880-31376-1

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	58998	08/01/23 10:59	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59072	08/02/23 18:23	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59134	08/02/23 19:43	SM	EET MID
Total/NA	Analysis	8015 NM		1			59096	08/02/23 10:27	AJ	EET MID
Total/NA	Prep	8015NM Prep			9.96 g	10 mL	59001	08/01/23 11:10	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	58963	08/02/23 01:50	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	58766	07/28/23 17:25	KS	EET MID
Soluble	Analysis	300.0		5			58916	08/01/23 13:12	CH	EET MID

Client Sample ID: SW-04

Date Collected: 07/26/23 12:30

Lab Sample ID: 880-31376-2

Matrix: Solid

Date Collected: 07/26/23 12:30 Date Received: 07/28/23 10:40

6/23 12:30 8/23 10:40

Batch Batch Dil Initial Final Batch Prepared Method Number **Prep Type** Type Run **Factor Amount** Amount or Analyzed **Analyst** Lab Total/NA 5035 58998 08/01/23 10:59 EL EET MID Prep 4.98 g 5 mL 8021B Total/NA 5 mL 59072 08/02/23 18:43 SM **EET MID** Analysis 5 mL 1 Total/NA Total BTEX 08/02/23 19:43 SM Analysis 1 59134 **EET MID** Total/NA 8015 NM 59096 **EET MID** Analysis 1 08/02/23 10:27 AJ Total/NA Prep 8015NM Prep 9.99 g 10 mL 59001 08/01/23 11:10 TKC **EET MID** Total/NA 8015B NM 58963 08/02/23 02:11 AJ **EET MID** Analysis 1 1 uL 1 uL Soluble 50 mL 59533 08/07/23 12:00 CH Leach DI Leach 4.99 g **EET MID** Soluble 300.0 59608 08/07/23 20:27 CH Analysis 20 **EET MID**

Client Sample ID: SW-06

Date Collected: 07/26/23 13:15

Lab Sample ID: 880-31376-3

Matrix: Solid

Date Received: 07/28/23 10:40

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	58998	08/01/23 10:59	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59072	08/02/23 19:04	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59134	08/02/23 19:43	SM	EET MID
Total/NA	Analysis	8015 NM		1			59096	08/02/23 10:27	AJ	EET MIC
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	59001	08/01/23 11:10	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	58963	08/02/23 02:32	AJ	EET MIC
Soluble	Leach	DI Leach			5.01 g	50 mL	58766	07/28/23 17:25	KS	EET MID
Soluble	Analysis	300.0		1			58916	08/01/23 13:24	CH	EET MID

Client Sample ID: SW-12

Date Collected: 07/26/23 13:30

Lab Sample ID: 880-31376-4

Matrix: Solid

Date Received: 07/28/23 10:40

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	58998	08/01/23 10:59	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59072	08/02/23 19:25	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59134	08/02/23 19:43	SM	EET MID

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Client: TRC Solutions, Inc.

Project/Site: JR Horz Fed Com #6

Job ID: 880-31376-1

SDG: NM

Client Sample ID: SW-12

Date Collected: 07/26/23 13:30 Date Received: 07/28/23 10:40 Lab Sample ID: 880-31376-4

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			59096	08/02/23 10:27	AJ	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10 mL	59001	08/01/23 11:10	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	58963	08/02/23 02:53	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	58766	07/28/23 17:25	KS	EET MID
Soluble	Analysis	300.0		5			58916	08/01/23 13:31	CH	EET MID

Lab Sample ID: 880-31376-5

Client Sample ID: SW-11 Date Collected: 07/26/23 13:45 **Matrix: Solid**

Date Received: 07/28/23 10:40

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	58990	08/01/23 10:33	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58964	08/02/23 03:18	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59134	08/02/23 15:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			59096	08/02/23 10:27	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	59001	08/01/23 11:10	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	58963	08/02/23 03:14	AJ	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	59533	08/07/23 12:00	CH	EET MID
Soluble	Analysis	300.0		1			59608	08/07/23 20:48	CH	EET MID

Client Sample ID: SW-08 Lab Sample ID: 880-31376-6 **Matrix: Solid**

Date Collected: 07/26/23 14:15 Date Received: 07/28/23 10:40

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	58990	08/01/23 10:33	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58964	08/02/23 03:43	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59134	08/02/23 15:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			59096	08/02/23 10:27	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	59001	08/01/23 11:10	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	58963	08/02/23 03:36	AJ	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	59533	08/07/23 12:00	CH	EET MID
Soluble	Analysis	300.0		5			59608	08/07/23 20:56	CH	EET MID

Client Sample ID: SW-05 Lab Sample ID: 880-31376-7 Date Collected: 07/26/23 13:00 **Matrix: Solid**

Date Received: 07/28/23 10:40

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	58990	08/01/23 10:33	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58964	08/02/23 04:09	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59134	08/02/23 15:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			59096	08/02/23 10:27	AJ	EET MID
Total/NA Total/NA	Prep Analysis	8015NM Prep 8015B NM		1	9.97 g 1 uL	10 mL 1 uL	59001 58963	08/01/23 11:10 08/02/23 03:57	TKC AJ	EET MID EET MID

Job ID: 880-31376-1

SDG: NM

Client Sample ID: SW-05

Date Collected: 07/26/23 13:00 Date Received: 07/28/23 10:40 Lab Sample ID: 880-31376-7

Matrix: Solid

Batch Batch Dil Initial Batch Final Prepared **Prep Type** Method **Factor** Number or Analyzed Analyst Type Run **Amount** Amount Soluble DI Leach 4.97 g 50 mL 59533 08/07/23 12:00 CH EET MID Leach Soluble 300.0 08/07/23 21:03 CH Analysis 10 59608 **EET MID**

Client Sample ID: SW-09 Lab Sample ID: 880-31376-8

Date Collected: 07/27/23 12:30 Matrix: Solid

Date Received: 07/28/23 10:40

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	58990	08/01/23 10:33	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58964	08/02/23 04:34	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59134	08/02/23 15:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			59096	08/02/23 10:27	AJ	EET MID
Total/NA	Prep	8015NM Prep			9.91 g	10 mL	59001	08/01/23 11:10	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	58963	08/02/23 04:17	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	59533	08/07/23 12:00	CH	EET MID
Soluble	Analysis	300.0		5			59608	08/07/23 21:10	CH	EET MID

Client Sample ID: SW-10 Lab Sample ID: 880-31376-9

Date Collected: 07/27/23 13:45 Matrix: Solid

Date Received: 07/28/23 10:40

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	58990	08/01/23 10:33	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58964	08/02/23 05:00	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59134	08/02/23 15:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			59096	08/02/23 10:27	AJ	EET MI
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	59001	08/01/23 11:10	TKC	EET MI
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	58963	08/02/23 04:38	AJ	EET MI
Soluble	Leach	DI Leach			5.04 g	50 mL	59533	08/07/23 12:00	CH	EET MI
Soluble	Analysis	300.0		5			59608	08/07/23 21:31	CH	EET MII

Laboratory References:

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

Eurofins Midland

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Accreditation/Certification Summary

Job ID: 880-31376-1 Client: TRC Solutions, Inc. Project/Site: JR Horz Fed Com #6

SDG: NM

Laboratory: Eurofins Midland

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

Authority		ogram	Identification Number	Expiration Date	
Texas		LAP	T104704400-23-26	06-30-24	
The following englyte	: : !				
0 ,		ort, but the laboratory is r	not certified by the governing authority.	This list may include analytes for	
the agency does not	offer certification.	•	, , ,	This list may include analytes for	
the agency does not of Analysis Method		Matrix	Analyte	I his list may include analytes for	
the agency does not	offer certification.	•	, , ,	I his list may include analytes for	

Method Summary

Client: TRC Solutions, Inc.

Project/Site: JR Horz Fed Com #6

Job ID: 880-31376-1

SDG: NM

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Eurofins Midland

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Sample Summary

Client: TRC Solutions, Inc.

Project/Site: JR Horz Fed Com #6

Job ID: 880-31376-1

SDG: NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-31376-1	SW-03	Solid	07/26/23 14:00	07/28/23 10:40
880-31376-2	SW-04	Solid	07/26/23 12:30	07/28/23 10:40
880-31376-3	SW-06	Solid	07/26/23 13:15	07/28/23 10:40
880-31376-4	SW-12	Solid	07/26/23 13:30	07/28/23 10:40
880-31376-5	SW-11	Solid	07/26/23 13:45	07/28/23 10:40
880-31376-6	SW-08	Solid	07/26/23 14:15	07/28/23 10:40
880-31376-7	SW-05	Solid	07/26/23 13:00	07/28/23 10:40
880-31376-8	SW-09	Solid	07/27/23 12:30	07/28/23 10:40
880-31376-9	SW-10	Solid	07/27/23 13:45	07/28/23 10:40

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Bill to (if different)

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Environment Testing

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Chain of Custody

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

1	Work Order No:		
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Work Order Comments

Reporting Level II Level III PST/UST TRRP Level IV Seliverables EDD ADaPT Other Preservative Codes		
II Level III PST/UST TRRP ADAPT Other Preservative Co None NO DI Cool Cool Me HCL. HC H ₂ SO ₄ H ₂ NaHSO ₄ . NABIS Na ₂ S ₂ O ₃ NaSO ₃ Zn Acetate+NaOH Zn NaOH+Ascorbic Acid: Sample Comm S Ag SiO ₂ Na Sr TI Sn U V Zn Hg 1631/2451/7470/7471 E Ag SiO ₂ Na Sr TI Sn U V Zn Hg 1631/2451/7470/7471 Date/Ti		5
II Level III PST/UST TRRP ADAPT Other Preservative Co None NO DI Cool Cool Me HCL.HC HN H ₂ S0 ₄ H ₂ NaBIS Na ₂ S ₂ O ₃ NaSO ₃ Zn Acetate+NaOH Zn NaOH+Ascorbic Acid : Sample Comm Sochain of Custody Ag SiO ₂ Na Sr TI Sn U V Zn Hg 1631/2451/7470 /7471 Enved by (Signature) Date/Ti	4	3
II Level III PST/UST TRRP ADAPT Other Preservative Co None NO DI Cool Cool Me HCL.HC H ₂ SO ₄ H ₂ NaMSO ₄ .NABIS Na ₂ S ₂ O ₃ NaSO ₃ Zn Acetate+NaOH Zn NaOH+Ascorbic Acid: Sample Comm Sample Comm S Ag SiO ₂ Na Sr TI Sn U V Zn H ₃ 1631 / 245 1 / 7470 / 7471 Date/Ti	1/00/1/3°	JA SA
II Level III PST/UST TRRP ADAPT Other Preservative Co None NO DI Cool Cool Me HCL. HC H ₂ SO ₄ H ₂ NaHSO ₄ . NABIS Na ₂ S ₂ O ₃ NaSO ₃ Zn Acetate+NaOH Zn NaOH+Ascorbic Acid: Sample Comm S Ag SiO ₂ Na Sr TI Sn U V Zn Hg 1631/2451/7470/7471	re) — Regined by: (Signature) — Date/Time — Relinquished by: (Signature)	Relinquished by: (Signature)
Level III PST/UST TRRP Other es EDD ADaPT Other Preservative Co None NO D1 Cool Cool Me HCL. HC Ha, PO 4 HP NaHSO 4. NABIS Na 25 20 3 NASO 3 Zn Acetate+NaOH Zn NaOH+Ascorbic Acid: Sample Comm Sample Comm Li K Se Ag SiO ₂ Na Sr Tl Sn U V Zn Hg 1631/245 1/7470 /7471	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.	of service, Eurofins Xenco will be liable onl of Eurofins Xenco. A minimum charge of \$
Peliverables EDD ADAPT Other Preservative Co None NO DI Cool Cool Me HCL. HC H ₂ SO ₄ H ₂ NaH ₃ PO ₄ HP NaH ₅ SO ₄ NaSO ₃ Zn Acetate+NaOH Zn NaOH+Ascorbic Acid: Sample Comm B80-31376 Chain of Custody NO NI K Se Ag SiO ₂ Na Sr TI Sn U V Zn	alis) to be analyzed TCLP / SPLP 6010 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl	CITCLE Method(s) and Metal(s) to be analyzed
Peliverables EDD ADAPT Other ADAPT Other Preservative Co None NO DI Cool Cool Me HCL. HC H ₂ SO ₄ H ₂ NaSO NaHSO ₄ . NABIS Na ₂ S ₂ O ₃ NaSO Zn Acetate+NaOH Zn NaOH+Ascorbic Acid: Sample Comm B80-31376 Chain of Custody	8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe	Total 200.7 / 6010 20
Peliverables EDD ADaPT Other Other Ocol Cool Me HCL. HC HA PRO 4. NABIS Na 25 20 3 NASO 3 Zn Acetate+NaOH Zn NaOH+Ascorbic Acid: 880-31376 Chain of Custody		
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Peliverables EDD ADAPT Other ADAPT Other Preservative Co None NO DI Cool Cool Me HCL. HC H ₂ SO ₄ H ₂ NaSO NaHSO 4. NABIS Na ₂ S ₂ O ₃ NaSO 3 Zn Acetate+NaOH Zn NaOH+Ascorbic Acid: Sample Comm	5 7,273 /230 - 640 1 1 1 1	5W-09
Peliverables EDD Level III PST/UST TRRP Peliverables EDD ADaPT Other Preservative Co None NO DI Cool Cool Me HCL. HC HA H ₂ SO ₄ H ₂ NaBIS Na ₂ S ₂ O ₃ NaSO ₃ Zn Acetate+NaOH Zn NaOH+Ascorbic Acid Sample Comm	, ,	Sw -65
Peliverables EDD ADAPT Other Preservative Co None NO DI Cool Cool Me HCL. HC H ₂ SO ₄ H ₂ NaHSO ₄ NABIS Na ₂ S ₂ O ₃ NaSO ₃ Zn Acetate+NaOH Zn NaOH+Ascorbic Acid: Sample Comm	1415 - 11 0, 0, 0, 0	SW-88
PST/UST TRRP Peliverables EDD None NO DI Cool Cool Me HCL.HC H ₂ SO ₄ H ₂ NaSO ₃ Zn Acetate+NaOH Zn NaOH+Ascorbic Acid: Sample Comm	1 / 3/5 - 1 1 2 V	Sw-11
Peliverables EDD ADAPT Other ADAPT OTHER ADAPT OTHER	1 1 1 330 - 1 1 0 0 0	5m-12
Peliverables EDD ADAPT Other Preservative Co None NO DI Cool Cool Me HCL. HC H ₂ SO ₄ H ₂ NaHSO ₄ . NABIS Na ₂ S ₂ O ₃ NaSO ₃ Zn Acetate+NaOH Zn NaOH+Ascorbic Acid: Sample Comm	1 / 1315 ~ 1 1 1 1 1 1	5w-06
Peliverables EDD ADaPT Other ADaPT Other Preservative Coll Cool Me	1230 -	40-05
PST/UST TRRP Peliverables EDD None NO DI Cool Cool Mel HCL.HC HN H2SO 4. NABIS Na 25 20 3. NaSO 3 Zn Acetate+NaOH Zn NaOH+Ascorbic Acid: Sample Comm.	5 \$72-3 1400 - Conf 1 V J V	50,03
Perporting Level III Level III PST/UST TRRP Peliverables EDD None NO DI Cool Cool MeHCL.HC HN H2SO 4. NABIS Na 25 20 3 NaSO 3 Zn Acetate+NaOH Zn NaOH+Ascorbic Acid :	Matrix Sampled Sampled Depth Comp Cont	Sample Identification
Peliverables EDD ADAPT Other ADAPT Other Preservative Co None NO DI Cool Cool Me HCL. HC HASO 4 H2 NAHSO 4. NABIS Na 25 20 3 NASO 3 Zn Accetate+NaOH Zn	Corrected Temperature: 1, 5	Total Containers:
Peliverables EDD ADAPT Other Preservative Co Cool Cool Me HCL. HC HASO 4 HP NaHSO 4 NABIS Na-S-O-3 NASO 5	Yes No Wax Temperature Reading / > O	Seals.
Peliverables EDD ADAPT Other Preservative Co Cool Cool Me HCL.HC HN H3PO 4 HP NARIS	ァ ジ Pa	Cooler Custody Seals
Peliverables EDD ADAPT Other Peliverables EDD None NO DI Cool Cool Mel H.SO. HB Preservative Co H.SO. HB NADAPT NONE NO DI H.SO. HB	Thermometer ID-	Samples Received Intact:
Preservative Col Cool Me	Temp Blank. Yes (Ng Wet Ice: Wee No to to Ng &	SAMPLE RECEIPT
Peliverables EDD ADaPT Other Peliverables EDD None NO DI Cool Cool Me	the lab, if received by 4:30pm	PO #
Peliverables EDD ADaPT Other Preservative Co	Scillabored TAT starts the day received by	Sampler's Name 7255c4
peliverables EDD ADaPT Other Preservative Co	Due Date	
eporting Level II Level III PST/UST TRRP Peliverables EDD ADAPT Other	Routine Rush Pres.	Project Number 53/504
Level II □ Level III □ PST/UST □ TRRP □ □ EDD □ ADaPT □ Other	Feb Cour #6 Jurn Around	Project Name: JR H
el II 🔲 Level III 🗎 PST/UST 📗 TRRP 🗍	.238,3003 Email SS TEXTREL @ TOC G. PAPIES. COM///C/A	Phone 432
	e ZIP	City State ZIP
oiect:		Address.
Program: UST/PST PRP Brownfields RRC Superfund	TCLC Company Name Program	Company Name

Login Sample Receipt Checklist

Client: TRC Solutions, Inc.

Job Number: 880-31376-1 SDG Number: NM

Login Number: 31376 **List Source: Eurofins Midland**

List Number: 1

Creator: Teel, Brianna

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

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Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Jared Stoffel TRC Solutions, Inc. 10 Desta Drive Suite #130E Midland, Texas 79705

Generated 8/2/2023 9:08:13 AM

JOB DESCRIPTION

JR's Horz FED Com #006H SDG NUMBER Eddy Co, NM

JOB NUMBER

880-30774-1

Eurofins Midland 1211 W. Florida Ave Midland TX 79701

Eurofins Midland

Job Notes

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

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

Authorization

Generated 8/2/2023 9:08:13 AM

Authorized for release by Jessica Kramer, Project Manager <u>Jessica.Kramer@et.eurofinsus.com</u> (432)704-5440 Client: TRC Solutions, Inc. Project/Site: JR's Horz FED Com #006H Laboratory Job ID: 880-30774-1 SDG: Eddy Co, NM

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Definitions/Glossary

Job ID: 880-30774-1 Client: TRC Solutions, Inc. Project/Site: JR's Horz FED Com #006H

SDG: Eddy Co, NM

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier Qualifier Description

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

HPLC/IC

Qualifier **Qualifier Description**

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

Glossary

Abbreviation These commonly used abbreviations may or may not be present in this report. Listed under the "D" column to designate that the result is reported on a dry weight basis

%R Percent Recovery CFL Contains Free Liquid CFU Colony Forming Unit **CNF** Contains No Free Liquid

DFR 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

Decision Level Concentration (Radiochemistry) DLC

EDL Estimated Detection Limit (Dioxin) LOD Limit of Detection (DoD/DOE) LOQ Limit of Quantitation (DoD/DOE)

EPA recommended "Maximum Contaminant Level" MCL MDA Minimum Detectable Activity (Radiochemistry) MDC Minimum Detectable Concentration (Radiochemistry)

Method Detection Limit MDL 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

Toxicity Equivalent Factor (Dioxin) TEF Toxicity Equivalent Quotient (Dioxin) TEQ

TNTC Too Numerous To Count

Case Narrative

Client: TRC Solutions, Inc.

Project/Site: JR's Horz FED Com #006H

Job ID: 880-30774-1

SDG: Eddy Co, NM

Job ID: 880-30774-1

Laboratory: Eurofins Midland

Narrative

Job Narrative 880-30774-1

Receipt

The samples were received on 7/14/2023 4:00 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 3.4°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: SW-01 (880-30774-1) and SW-02 (880-30774-2).

GC VOA

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-58258 recovered below the lower control limit for o-Xylene. An acceptable CCV was ran within the 12 hour window, therefore the data has been qualified and reported. The associated sample is impacted: (CCV 880-58258/33).

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-58258 recovered below the lower control limit for Benzene. An acceptable CCV was ran within the 12 hour window, therefore the data has been qualified and reported. The associated sample is impacted: (CCV 880-58258/51).

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-57843 and analytical batch 880-58258 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

GC Semi VOA

Method 8015MOD NM: Surrogate recovery for the following samples were outside control limits: SW-02 (880-30774-2), (MB 880-58485/1-A) and (880-30743-A-1-G). 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: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-57835 and analytical batch 880-57913 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

Client Sample Results

Client: TRC Solutions, Inc.

Project/Site: JR's Horz FED Com #006H

Job ID: 880-30774-1

SDG: Eddy Co, NM

Client Sample ID: SW-01

Date Collected: 07/13/23 13:30 Date Received: 07/14/23 16:00 Lab Sample ID: 880-30774-1

Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		07/17/23 13:25	07/23/23 14:59	1
Toluene	< 0.00199	U	0.00199	mg/Kg		07/17/23 13:25	07/23/23 14:59	1
Ethylbenzene	< 0.00199	U	0.00199	mg/Kg		07/17/23 13:25	07/23/23 14:59	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		07/17/23 13:25	07/23/23 14:59	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		07/17/23 13:25	07/23/23 14:59	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		07/17/23 13:25	07/23/23 14:59	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130			07/17/23 13:25	07/23/23 14:59	1
1,4-Difluorobenzene (Surr)	114		70 - 130			07/17/23 13:25	07/23/23 14:59	1
Method: TAL SOP Total BTEX -	Total BTEX Cald	culation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			07/24/23 08:47	1
Method: SW846 8015 NM - Diese	el Range Organ	ics (DRO) (GC)					
Analyte	•	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			08/02/23 09:46	1
- Method: SW846 8015B NM - Die		. (556)						
	sel Range Orga	nics (DRO)	(GC)					
Analyte		Qualifier	(GC)	Unit	D	Prepared	Analyzed	Dil Fac
Analyte Gasoline Range Organics		Qualifier	• •	Unit mg/Kg	<u>D</u>	Prepared 07/25/23 14:17	Analyzed 08/01/23 14:26	Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result	Qualifier U	RL		<u>D</u>	<u>.</u>		
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result <49.9	Qualifier U	RL 49.9	mg/Kg	<u>D</u>	07/25/23 14:17	08/01/23 14:26	1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result <49.9 <49.9	Qualifier U U U	RL 49.9 49.9 49.9	mg/Kg	<u>D</u>	07/25/23 14:17 07/25/23 14:17 07/25/23 14:17	08/01/23 14:26 08/01/23 14:26 08/01/23 14:26	1 1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate	Result <49.9 <49.9 <49.9 <49.9 %Recovery	Qualifier U U U	RL 49.9 49.9 49.9 <i>Limits</i>	mg/Kg	<u> </u>	07/25/23 14:17 07/25/23 14:17 07/25/23 14:17 <i>Prepared</i>	08/01/23 14:26 08/01/23 14:26 08/01/23 14:26 Analyzed	1 1 1 Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane (Surr)	Result <49.9 <49.9	Qualifier U U U	RL 49.9 49.9 49.9	mg/Kg	<u>D</u>	07/25/23 14:17 07/25/23 14:17 07/25/23 14:17	08/01/23 14:26 08/01/23 14:26 08/01/23 14:26	1 1 1 1 Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane (Surr) o-Terphenyl (Surr)	Result	Qualifier U U Qualifier	RL 49.9 49.9 49.9 Limits 70 - 130 70 - 130	mg/Kg	<u> </u>	07/25/23 14:17 07/25/23 14:17 07/25/23 14:17 Prepared 07/25/23 14:17	08/01/23 14:26 08/01/23 14:26 08/01/23 14:26 Analyzed 08/01/23 14:26	1 1 1 1 1 Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate	Result	Qualifier U U Qualifier	RL 49.9 49.9 49.9 Limits 70 - 130 70 - 130	mg/Kg	<u>D</u>	07/25/23 14:17 07/25/23 14:17 07/25/23 14:17 Prepared 07/25/23 14:17	08/01/23 14:26 08/01/23 14:26 08/01/23 14:26 Analyzed 08/01/23 14:26	1 1 1 1 1 Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane (Surr) o-Terphenyl (Surr)	Result	Qualifier U U Qualifier	RL 49.9 49.9 49.9 Limits 70 - 130 70 - 130	mg/Kg	<u>D</u>	07/25/23 14:17 07/25/23 14:17 07/25/23 14:17 Prepared 07/25/23 14:17	08/01/23 14:26 08/01/23 14:26 08/01/23 14:26 Analyzed 08/01/23 14:26	1 1 1 1 1 Dil Fac

Client Sample ID: SW-02

Date Collected: 07/13/23 10:00

Lab Sample ID: 880-30774-2

Matrix: Solid

Date Received: 07/14/23 16:00

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		07/17/23 13:25	07/23/23 15:20	1
Toluene	<0.00200	U	0.00200	mg/Kg		07/17/23 13:25	07/23/23 15:20	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/17/23 13:25	07/23/23 15:20	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		07/17/23 13:25	07/23/23 15:20	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/17/23 13:25	07/23/23 15:20	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		07/17/23 13:25	07/23/23 15:20	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130			07/17/23 13:25	07/23/23 15:20	1
1.4-Difluorobenzene (Surr)	109		70 - 130			07/17/23 13:25	07/23/23 15:20	1

Client Sample Results

Client: TRC Solutions, Inc.

Client Sample ID: SW-02

Date Collected: 07/13/23 10:00

Date Received: 07/14/23 16:00

o-Terphenyl (Surr)

Analyte

Chloride

Project/Site: JR's Horz FED Com #006H

Job ID: 880-30774-1

SDG: Eddy Co, NM

Lab Sample ID: 880-30774-2

08/01/23 14:48

Analyzed 07/17/23 19:34

07/25/23 14:17

Prepared

D

Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			07/24/23 08:47	1
- Method: SW846 8015 NM - Diese	l Range Organ	ics (DRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3	mg/Kg			08/02/23 09:46	1
Method: SW846 8015B NM - Dies	•		` '		_	_		
	•		` '	Unit	D	Prepared	Analyzed	Dil Fac
Analyte	Result	Qualifier	RL	Unit ma/Ka	<u>D</u>	Prepared 07/25/23 14:17	Analyzed 08/01/23 14:48	Dil Fac
	•	Qualifier	` '	Unit mg/Kg	<u>D</u>	Prepared 07/25/23 14:17	Analyzed 08/01/23 14:48	Dil Fac
Analyte Gasoline Range Organics	Result	Qualifier U	RL		<u>D</u>			Dil Fac 1
Analyte Gasoline Range Organics (GRO)-C6-C10	Result < 50.3	Qualifier U	RL 50.3	mg/Kg	<u>D</u>	07/25/23 14:17	08/01/23 14:48	Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result < 50.3	Qualifier U	RL 50.3	mg/Kg	<u>D</u>	07/25/23 14:17	08/01/23 14:48	Dil Fac 1 1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <50.3	Qualifier U U U	RL 50.3	mg/Kg	<u> </u>	07/25/23 14:17 07/25/23 14:17	08/01/23 14:48 08/01/23 14:48	Dil Fac 1 1 1 Dil Fac

70 - 130

RL

4.96

Unit

mg/Kg

111

172

Result Qualifier

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

14

Surrogate Summary

Client: TRC Solutions, Inc.

Job ID: 880-30774-1

Project/Site: JR's Horz FED Com #006H

SDG: Eddy Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

		BFB1	DFBZ1	Percent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-30757-A-21-D MS	Matrix Spike	111	102	
880-30757-A-21-E MSD	Matrix Spike Duplicate	111	99	
880-30774-1	SW-01	93	114	
880-30774-2	SW-02	97	109	
LCS 880-57843/1-A	Lab Control Sample	109	106	
LCSD 880-57843/2-A	Lab Control Sample Dup	99	99	
MB 880-57843/5-A	Method Blank	89	90	
MB 880-57972/5-A	Method Blank	81	95	

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid Prep Type: Total/NA

_			
		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-30743-A-1-H MS	Matrix Spike	122	94
880-30743-A-1-I MSD	Matrix Spike Duplicate	124	97
880-30774-1	SW-01	127	109
880-30774-2	SW-02	132 S1+	111
LCS 880-58485/2-A	Lab Control Sample	114	111
LCSD 880-58485/3-A	Lab Control Sample Dup	113	111
MB 880-58485/1-A	Method Blank	179 S1+	155 S1+

Surrogate Legend

1CO = 1-Chlorooctane (Surr)

OTPH = o-Terphenyl (Surr)

Client: TRC Solutions, Inc.

Project/Site: JR's Horz FED Com #006H

Job ID: 880-30774-1

SDG: Eddy Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-57843/5-A

Matrix: Solid

Analysis Batch: 58258

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 57843

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		07/17/23 13:25	07/23/23 07:21	1
Toluene	<0.00200	U	0.00200	mg/Kg		07/17/23 13:25	07/23/23 07:21	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/17/23 13:25	07/23/23 07:21	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		07/17/23 13:25	07/23/23 07:21	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/17/23 13:25	07/23/23 07:21	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		07/17/23 13:25	07/23/23 07:21	1

MB MB

Surrogate	%Recovery Qu	ualifier Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89	70 - 130	07/17/23 13:25	07/23/23 07:21	1
1,4-Difluorobenzene (Surr)	90	70 - 130	07/17/23 13:25	07/23/23 07:21	1

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 57843

Lab Sample ID: LCS 880-57843/1-A Matrix: Solid

Analysis Batch: 58258

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.09778		mg/Kg		98	70 - 130	
Toluene	0.100	0.1086		mg/Kg		109	70 - 130	
Ethylbenzene	0.100	0.1025		mg/Kg		102	70 - 130	
m,p-Xylenes	0.200	0.2015		mg/Kg		101	70 - 130	
o-Xylene	0.100	0.1033		mg/Kg		103	70 - 130	

LCS LCS

Surrogate	%Recovery Qualifi	ier Limits
4-Bromofluorobenzene (Surr)	109	70 - 130
1,4-Difluorobenzene (Surr)	106	70 - 130

Lab Sample ID: LCSD 880-57843/2-A

Matrix: Solid

Analysis Batch: 58258

Prep Type: Total/NA

Prep Batch: 57843

	Spike	LCSD	LCSD				%Rec		RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Benzene	0.100	0.08826		mg/Kg		88	70 - 130	10	35	
Toluene	0.100	0.09673		mg/Kg		97	70 - 130	12	35	
Ethylbenzene	0.100	0.09096		mg/Kg		91	70 - 130	12	35	
m,p-Xylenes	0.200	0.1779		mg/Kg		89	70 - 130	12	35	
o-Xylene	0.100	0.09089		mg/Kg		91	70 - 130	13	35	

LCSD LCSD

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

Lab Sample ID: 880-30757-A-21-D MS

Matrix: Solid

Analysis Batch: 58258

Client Sample ID: Matrix Spik	е
Prep Type: Total/N	Α

Prep Batch: 57843

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00202	U F1	0.0994	0.05179	F1	mg/Kg		52	70 - 130	
Toluene	< 0.00202	U F1	0.0994	0.05361	F1	mg/Kg		54	70 - 130	

QC Sample Results

Client: TRC Solutions, Inc. Project/Site: JR's Horz FED Com #006H Job ID: 880-30774-1 SDG: Eddy Co, NM

Prep Type: Total/NA

Client Sample ID: Matrix Spike

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

Lab Sample ID: 880-30757-A-21-D MS

Analysis Batch: 58258

o-Xylene

Matrix: Solid

Lab Sample ID: 880-30757-A-21-E MSD

Prep Batch: 57843 Sample Sample Spike MS MS %Rec Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits Ethylbenzene <0.00202 U F1 0.0994 0.06011 F1 60 70 - 130 mg/Kg m,p-Xylenes <0.00404 UF1 0.199 0.1152 F1 mg/Kg 58 70 - 130

0.06502 F1

mg/Kg

0.0994

MS MS

<0.00202 UF1

Surrogate	%Recovery Qualifi	ier Limits
4-Bromofluorobenzene (Surr)	111	70 - 130
1,4-Difluorobenzene (Surr)	102	70 ₋ 130

Client Sample ID: Matrix Spike Duplicate

70 - 130

65

Prep Type: Total/NA

Prep Batch: 57843

Matrix: Solid Analysis Batch: 58258

MSD MSD Sample Sample Spike RPD Result Qualifier Added Result Qualifier RPD Limit Analyte Unit %Rec Limits 0.0998 0.05448 F1 Benzene <0.00202 UF1 mg/Kg 55 70 - 130 5 35 0.0998 0.05878 F1 Toluene <0.00202 UF1 mg/Kg 59 70 - 130 9 35 Ethylbenzene <0.00202 U F1 0.0998 0.06606 F1 mg/Kg 66 70 - 130 9 35 0.200 70 - 130 35 m,p-Xylenes <0.00404 U F1 0.1281 F1 mg/Kg 11 0.0998 <0.00202 U F1 0.07211 72 70 - 130 o-Xylene mg/Kg 10

MSD MSD

MB MB

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	111	70 - 130
1,4-Difluorobenzene (Surr)	99	70 - 130

Lab Sample ID: MB 880-57972/5-A

Matrix: Solid

Analysis Batch: 58258

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

Prep Batch: 57972

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		07/18/23 16:18	07/22/23 20:42	1
Toluene	<0.00200	U	0.00200	mg/Kg		07/18/23 16:18	07/22/23 20:42	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/18/23 16:18	07/22/23 20:42	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		07/18/23 16:18	07/22/23 20:42	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/18/23 16:18	07/22/23 20:42	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		07/18/23 16:18	07/22/23 20:42	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	81		70 - 130	07/18/23 16:18	07/22/23 20:42	1
1,4-Difluorobenzene (Surr)	95		70 - 130	07/18/23 16:18	07/22/23 20:42	1

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

Lab Sample ID: MB 880-58485/1-A

Matrix: Solid

Analysis Batch: 58960

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

Prep Batch: 58485

MB MB Analyte Result Qualifier RL Unit Prepared Analyzed <50.0 U 50.0 mg/Kg 07/25/23 14:17 08/01/23 07:24 Gasoline Range Organics

(GRO)-C6-C10

Client: TRC Solutions, Inc.

Project/Site: JR's Horz FED Com #006H

Job ID: 880-30774-1

SDG: Eddy Co, NM

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

Lab Sample ID: MB 880-58485/1-A

Lab Sample ID: LCS 880-58485/2-A

Matrix: Solid

Matrix: Solid

Analysis Batch: 58960

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 58485

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over	<50.0	U	50.0	mg/Kg		07/25/23 14:17	08/01/23 07:24	1
C10-C28)								
OII Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		07/25/23 14:17	08/01/23 07:24	1

MB MB

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	179	S1+	70 - 130	07/25/23 14:17	08/01/23 07:24	1
o-Terphenyl (Surr)	155	S1+	70 - 130	07/25/23 14:17	08/01/23 07:24	1

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 58485

Analysis Batch: 58960 LCS LCS Spike Analyte Added Result Qualifier Unit %Rec Limits Gasoline Range Organics 1000 1062 mg/Kg 106 70 - 130 (GRO)-C6-C10 Diesel Range Organics (Over 1000 1082 108 70 - 130 mg/Kg C10-C28)

LCS LCS

Surrogate	%Recovery Qua	lifier Limits
1-Chlorooctane (Surr)	114	70 - 130
o-Terphenyl (Surr)	111	70 - 130

Lab Sample ID: LCSD 880-58485/3-A

Matrix: Solid

Analysis Batch: 58960

Prep Type: Total/NA

Prep Batch: 58485

	Spike	LCSD	LCSD				%Rec		RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics	1000	1024		mg/Kg		102	70 - 130	4	20	
(GRO)-C6-C10										
Diesel Range Organics (Over	1000	1101		mg/Kg		110	70 - 130	2	20	
040 000)										

C10-C28)

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	113		70 - 130
o-Terphenyl (Surr)	111		70 - 130

Lab Sample ID: 880-30743-A-1-H MS

Matrix: Solid

Analysis Batch: 58960

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 58485

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	993	874.0		mg/Kg		83	70 - 130	
Diesel Range Organics (Over	<50.3	U	993	1175		mg/Kg		115	70 - 130	

C10-C28)

	IVIS	IVIS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	122		70 - 130
o-Terphenyl (Surr)	94		70 - 130

Client: TRC Solutions, Inc. Project/Site: JR's Horz FED Com #006H Job ID: 880-30774-1

SDG: Eddy Co, NM

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

Lab Sample ID: 880-30743-A-1-I MSD Client Sample ID: Matrix Spike Duplicate

Matrix: Solid Prep Type: Total/NA Analysis Batch: 58960 Prep Batch: 58485

Sample Sample Spike MSD MSD RPD Result Qualifier RPD Limit Analyte Added Result Qualifier Unit %Rec Limits Gasoline Range Organics <50.3 U 993 873.6 mg/Kg 83 70 - 130 0 20 (GRO)-C6-C10 993 Diesel Range Organics (Over <50.3 U 1199 mg/Kg 117 70 - 130 2

C10-C28)

MSD MSD

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	124		70 - 130
o-Terphenyl (Surr)	97		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-57835/1-A Client Sample ID: Method Blank **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 57913

мв мв

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00	mg/Kg			07/17/23 18:02	1

Lab Sample ID: LCS 880-57835/2-A **Client Sample ID: Lab Control Sample Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 57913

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	250	248.1		mg/Kg		99	90 - 110	

Lab Sample ID: LCSD 880-57835/3-A Client Sample ID: Lab Control Sample Dup **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 57913

	Spike	LCSD	LCSD				%Rec		RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Chloride	250	248.1		mg/Kg		99	90 - 110	0	20	

Lab Sample ID: 880-30759-A-1-B MS Client Sample ID: Matrix Spike **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 57913

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	76.4	F1	250	278 9	F1	ma/Ka		81	90 110	

Lab Sample ID: 880-30759-A-1-C MSD Client Sample ID: Matrix Spike Duplicate

Matrix: Solid

Analysis Batch: 57913

Alialysis Datell. 37313											
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	76.4	F1	250	278.6	F1	mg/Kg		81	90 - 110	0	20

Eurofins Midland

Prep Type: Soluble

QC Association Summary

Client: TRC Solutions, Inc.

Project/Site: JR's Horz FED Com #006H

Job ID: 880-30774-1 SDG: Eddy Co, NM

D, NM

GC VOA

Prep Batch: 57843

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30774-1	SW-01	Total/NA	Solid	5035	
880-30774-2	SW-02	Total/NA	Solid	5035	
MB 880-57843/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-57843/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-57843/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-30757-A-21-D MS	Matrix Spike	Total/NA	Solid	5035	
880-30757-A-21-E MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 57972

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-57972/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 58258

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30774-1	SW-01	Total/NA	Solid	8021B	57843
880-30774-2	SW-02	Total/NA	Solid	8021B	57843
MB 880-57843/5-A	Method Blank	Total/NA	Solid	8021B	57843
MB 880-57972/5-A	Method Blank	Total/NA	Solid	8021B	57972
LCS 880-57843/1-A	Lab Control Sample	Total/NA	Solid	8021B	57843
LCSD 880-57843/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	57843
880-30757-A-21-D MS	Matrix Spike	Total/NA	Solid	8021B	57843
880-30757-A-21-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	57843

Analysis Batch: 58300

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30774-1	SW-01	Total/NA	Solid	Total BTEX	
880-30774-2	SW-02	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 58485

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30774-1	SW-01	Total/NA	Solid	8015NM Prep	
880-30774-2	SW-02	Total/NA	Solid	8015NM Prep	
MB 880-58485/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-58485/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-58485/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-30743-A-1-H MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-30743-A-1-I MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 58960

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30774-1	SW-01	Total/NA	Solid	8015B NM	58485
880-30774-2	SW-02	Total/NA	Solid	8015B NM	58485
MB 880-58485/1-A	Method Blank	Total/NA	Solid	8015B NM	58485
LCS 880-58485/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	58485
LCSD 880-58485/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	58485
880-30743-A-1-H MS	Matrix Spike	Total/NA	Solid	8015B NM	58485
880-30743-A-1-I MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	58485

QC Association Summary

Client: TRC Solutions, Inc.

Project/Site: JR's Horz FED Com #006H

Job ID: 880-30774-1 SDG: Eddy Co, NM

GC Semi VOA

Analysis Batch: 59088

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30774-1	SW-01	Total/NA	Solid	8015 NM	
880-30774-2	SW-02	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 57835

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30774-1	SW-01	Soluble	Solid	DI Leach	
880-30774-2	SW-02	Soluble	Solid	DI Leach	
MB 880-57835/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-57835/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-57835/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-30759-A-1-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-30759-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 57913

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30774-1	SW-01	Soluble	Solid	300.0	57835
880-30774-2	SW-02	Soluble	Solid	300.0	57835
MB 880-57835/1-A	Method Blank	Soluble	Solid	300.0	57835
LCS 880-57835/2-A	Lab Control Sample	Soluble	Solid	300.0	57835
LCSD 880-57835/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	57835
880-30759-A-1-B MS	Matrix Spike	Soluble	Solid	300.0	57835
880-30759-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	57835

Lab Chronicle

Client: TRC Solutions, Inc.

Project/Site: JR's Horz FED Com #006H

Job ID: 880-30774-1

SDG: Eddy Co, NM

Lab Sample ID: 880-30774-1

Matrix: Solid

Client Sample ID: SW-01

Date Collected: 07/13/23 13:30 Date Received: 07/14/23 16:00

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	57843	07/17/23 13:25	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58258	07/23/23 14:59	SM	EET MID
Total/NA	Analysis	Total BTEX		1			58300	07/24/23 08:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			59088	08/02/23 09:46	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	58485	07/25/23 14:17	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	58960	08/01/23 14:26	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	57835	07/17/23 11:12	KS	EET MID
Soluble	Analysis	300.0		1			57913	07/17/23 19:27	CH	EET MID

Client Sample ID: SW-02

Date Collected: 07/13/23 10:00

Date Received: 07/14/23 16:00

Lab Sample	ID: 880-30774-2
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Matrix: Solid

Batch Dil Initial Final Batch Batch Prepared Prep Type Туре Method Run Factor Amount Amount Number or Analyzed Analyst Lab 5035 Total/NA Prep 5.01 g 5 mL 57843 07/17/23 13:25 EL EET MID 8021B Total/NA 5 mL 58258 07/23/23 15:20 **EET MID** Analysis 1 5 mL SM Total/NA Total BTEX 58300 07/24/23 08:47 SM Analysis 1 **EET MID** Total/NA Analysis 8015 NM 59088 08/02/23 09:46 ΑJ **EET MID** Total/NA 58485 TKC Prep 8015NM Prep 9.94 g 10 mL 07/25/23 14:17 **EET MID** Total/NA Analysis 8015B NM 1 uL 1 uL 58960 08/01/23 14:48 ΑJ **EET MID** Soluble 5.04 g KS EET MID Leach DI Leach 50 mL 57835 07/17/23 11:12 Soluble Analysis 300.0 57913 07/17/23 19:34 СН **EET MID**

Laboratory References:

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

Accreditation/Certification Summary

Client: TRC Solutions, Inc.

Job ID: 880-30774-1 Project/Site: JR's Horz FED Com #006H SDG: Eddy Co, NM

Laboratory: Eurofins Midland

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

uthority		ogram	Identification Number	Expiration Date		
Texas	NE	ELAP	T104704400-23-26	06-30-24		
The following analytes	are included in this report, bu	t the laboratory is not certifi	ed by the governing authority. This list ma	av include analytes for y		
the agency does not of			od by the governing addressity. This list his	ay moldae analytes for		
0 ,	• •	Matrix	Analyte	ay molade analytes for t		
the agency does not of	fer certification.	•	, , ,			

Method Summary

Client: TRC Solutions, Inc.

Project/Site: JR's Horz FED Com #006H

Job ID: 880-30774-1

SDG: Eddy Co, NM

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: TRC Solutions, Inc.

Project/Site: JR's Horz FED Com #006H

Job ID: 880-30774-1

SDG: Eddy Co, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-30774-1	SW-01	Solid	07/13/23 13:30	07/14/23 16:00
880-30774-2	SW-02	Solid	07/13/23 10:00	07/14/23 16:00

Circle Method(s) as

Total 200.7 / 6010

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eurofins.

Xenco

Environment Testing

Project Manager

AMED

STORRES

Bill to (if different)

Company Name

City, State ZIP

Address.

Chain of Custody

Houston TX (281) 240-4200 Dallac TX (214) 600 0200	Pa CA	Work Order No:	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
	7		Houston TV (281) 2/0-4200 Dallac TV (217) 000 0000

nent 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 be lable 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 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. Receive by (Signature) Relinquished by (Signature) Relinquished by (Signature) Relinquished by (Signature) Relinquished by (Signature)	200.8 / 6020: 8RCRA 13PPM Texas nd Metal(s) to be analyzed TCLP / SPLP 6010		5 7,13,8 1000 -	5 7,13,23 1530 -	cation Matrix Sampled Sampled Depth		Yes No W/A Temperature Reading	es No Thermometer ID:	Temp Blank Yer No Wet Ice: (Yes)	1-198:5	\dashv	JIC'S HORZ I-ED COMM Turn Around	Email		MOLIND A Address	TPC Company Name	STOPPE
it company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms an any losses or expenses incurred by the client if such losses are due to circumstances beyond uple submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless pre ### Rellinguished by: (Signature) ### Rellinguished by: (Signature)	Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni 6010 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U		2 2 2	011	Comp Cont	HO.	nier	arame	ters	20 21 15	Code	Pres,	SKREO, IZWY	'		y Name·	BIII TO (If different)
ndard terms and conditions stances beyond the control reed unless previously negotiated. (Signature) Received by: (Signature)	Pb Mg Mn Mo Ni K Se Ag SiO ₂ Na Sr Tl Sn U V Zn 10 Ni Se Ag Tl U Hg 1631/2451/7470/7471	880-30774 Chain of Custody			Sample	Zn Acetate+NaOH Zn NaOH+Ascorbic Acid S	Na ₂ S ₂ O ₃ NaSO ₃	H ₃ PO ₄ HP NaHSO 4 NABIS	H ₂ SO ₄ . H ₂	HCL. HC	None NO	ANALYSIS REQUEST Preserv	Deliverables EDD ADaPT ☐ Other	Reporting Level III Level III PST/UST TRRP	roject:		Work Order Comments
Date/Time	Zn				Sample Comments	Zn Acetate+NaOH Zn NaOH+Ascorbic Acıd SAPC	30	BIS	NaOH Na	HNO 3 HN	DI Water: H ₂ O	Preservative Codes	ier:	RRP Level IV		RRC Superfund	

Samples Received Intac Cooler Custody Seals: SAMPLE RECEIPT

Total Containers

Sample Identifi

SW-07

ample Custody Seals:

Sampler's Name

Project Location. Project Number Project Name:

ंद

Revised Date: 08/25/2020 Rev 2020.2

Login Sample Receipt Checklist

Client: TRC Solutions, Inc.

Job Number: 880-30774-1

SDG Number: Eddy Co, NM

List Source: Eurofins Midland

Login Number: 30774 List Number: 1

Creator: Rodriguez, Leticia

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

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Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Jared Stoffel TRC Solutions, Inc. 10 Desta Drive Suite #130E Midland, Texas 79705

Generated 10/12/2023 3:04:12 PM

JOB DESCRIPTION

JR Horz Federal 016 SDG NUMBER Rural Malaga NM

JOB NUMBER

890-5434-1

Eurofins Carlsbad 1089 N Canal St. Carlsbad NM 88220



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 10/12/2023 3:04:12 PM

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

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

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Client: TRC Solutions, Inc.

Laboratory Job ID: 890-5434-1

Project/Site: JR Horz Federal 016

SDG: Rural Malaga NM

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Definitions/Glossary

Client: TRC Solutions, Inc.

Job ID: 890-5434-1

Project/Site: JR Horz Federal 016

SDG: Rural Malaga NM

Qualifiers

HPLC/IC

 Qualifier
 Qualifier Description

 F1
 MS and/or MSD recovery exceeds control limits.

 U
 Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)

MCL EPA recommended "Maximum Contaminant Level"

MDA Minimum Detectable Activity (Radiochemistry)

MDC Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit
ML Minimum Level (Dioxin)
MPN Most Probable Number
MQL Method Quantitation Limit

NC Not Calculated

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

NEG Negative / Absent
POS Positive / Present
PQL Practical Quantitati

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

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Case Narrative

Client: TRC Solutions, Inc.

Job ID: 890-5434-1

Project/Site: JR Horz Federal 016

SDG: Rural Malaga NM

Job ID: 890-5434-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative 890-5434-1

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

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

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

Receipt

The samples were received on 10/10/2023~3:50~PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was $1.0^{\circ}C$

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: SW-10A (890-5434-1), SW-9A (890-5434-2), SW-8A (890-5434-3) and SW-5A (890-5434-4).

HPLC/IC

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-64546 and analytical batch 880-64548 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

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Client Sample Results

Client: TRC Solutions, Inc. Job ID: 890-5434-1 Project/Site: JR Horz Federal 016 SDG: Rural Malaga NM

Client Sample ID: SW-10A Lab Sample ID: 890-5434-1

Date Collected: 10/10/23 12:00 Matrix: Solid Date Received: 10/10/23 15:50

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble Dil Fac Analyte Result Qualifier RL MDL Unit D Prepared Analyzed 5.02 Chloride 54.9 F1 mg/Kg 10/12/23 12:09

Client Sample ID: SW-9A Lab Sample ID: 890-5434-2 Date Collected: 10/10/23 12:05 **Matrix: Solid**

Date Received: 10/10/23 15:50

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier RL MDL D Analyzed Dil Fac Unit Prepared Chloride 5.04 10/12/23 12:23 74.9 mg/Kg

Client Sample ID: SW-8A Lab Sample ID: 890-5434-3

Date Collected: 10/10/23 12:10 Date Received: 10/10/23 15:50

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble Result Qualifier Analyte RL MDL Unit D Prepared Analyzed Dil Fac Chloride 250 4.99 10/12/23 12:28 mg/Kg

Client Sample ID: SW-5A Lab Sample ID: 890-5434-4

Date Collected: 10/10/23 12:15

Date Received: 10/10/23 15:50

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble Result Qualifier Analyte RL MDL Unit D Prepared Analyzed Dil Fac 4.97 10/12/23 12:33 Chloride 102 mg/Kg

Eurofins Carlsbad

Matrix: Solid

Matrix: Solid

QC Sample Results

Client: TRC Solutions, Inc. Job ID: 890-5434-1 Project/Site: JR Horz Federal 016 SDG: Rural Malaga NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-64546/1-A

Matrix: Solid

Analysis Batch: 64548

Analyte

Chloride

Client Sample ID: Method Blank **Prep Type: Soluble**

MB MB MDL Unit Dil Fac Result Qualifier RL D Prepared Analyzed <5.00 U 5.00 mg/Kg 10/12/23 11:39

Lab Sample ID: LCS 880-64546/2-A Client Sample ID: Lab Control Sample **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 64548

Spike LCS LCS %Rec Added %Rec Analyte Result Qualifier Unit D Limits

Chloride 250 230.6 mg/Kg 92 90 - 110

Lab Sample ID: LCSD 880-64546/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 64548

LCSD LCSD %Rec RPD Spike Analyte Added Result Qualifier Unit D %Rec Limits **RPD** Limit Chloride 250 229.3 20 mg/Kg 90 - 110

Lab Sample ID: 890-5434-1 MS Client Sample ID: SW-10A **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 64548

Spike MS MS Sample Sample %Rec Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits 283.3 Chloride 54.9 F1 251 90 - 110 mg/Kg

Lab Sample ID: 890-5434-1 MSD Client Sample ID: SW-10A **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 64548

Sample Sample Spike MSD MSD %Rec RPD Added Analyte Result Qualifier Result Qualifier Unit %Rec Limits RPD Limit Chloride 54.9 F1 251 273.7 F1 mg/Kg 87 90 - 110 20

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QC Association Summary

Client: TRC Solutions, Inc.

Job ID: 890-5434-1

Project/Site: JR Horz Federal 016

SDG: Rural Malaga NM

HPLC/IC

Leach Batch: 64546

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5434-1	SW-10A	Soluble	Solid	DI Leach	
890-5434-2	SW-9A	Soluble	Solid	DI Leach	
890-5434-3	SW-8A	Soluble	Solid	DI Leach	
890-5434-4	SW-5A	Soluble	Solid	DI Leach	
MB 880-64546/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-64546/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-64546/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-5434-1 MS	SW-10A	Soluble	Solid	DI Leach	
890-5434-1 MSD	SW-10A	Soluble	Solid	DI Leach	

Analysis Batch: 64548

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5434-1	SW-10A	Soluble	Solid	300.0	64546
890-5434-2	SW-9A	Soluble	Solid	300.0	64546
890-5434-3	SW-8A	Soluble	Solid	300.0	64546
890-5434-4	SW-5A	Soluble	Solid	300.0	64546
MB 880-64546/1-A	Method Blank	Soluble	Solid	300.0	64546
LCS 880-64546/2-A	Lab Control Sample	Soluble	Solid	300.0	64546
LCSD 880-64546/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	64546
890-5434-1 MS	SW-10A	Soluble	Solid	300.0	64546
890-5434-1 MSD	SW-10A	Soluble	Solid	300.0	64546

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Job ID: 890-5434-1

SDG: Rural Malaga NM

Client Sample ID: SW-10A Lab Sample ID: 890-5434-1 Date Collected: 10/10/23 12:00

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.98 g	50 mL	64546	10/12/23 10:50	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	64548	10/12/23 12:09	CH	EET MID

Client Sample ID: SW-9A Lab Sample ID: 890-5434-2

Matrix: Solid

Date Collected: 10/10/23 12:05 Date Received: 10/10/23 15:50

Date Received: 10/10/23 15:50

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 g	50 mL	64546	10/12/23 10:50	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	64548	10/12/23 12:23	CH	EET MID

Client Sample ID: SW-8A Lab Sample ID: 890-5434-3

Date Collected: 10/10/23 12:10 Matrix: Solid

Date Received: 10/10/23 15:50

Batch Batch Dil Initial Final Batch Prepared **Prep Type** Туре Method Factor Amount Amount Number or Analyzed Run Analyst Lab Soluble Leach DI Leach 5.01 g 50 mL 64546 10/12/23 10:50 SMC **EET MID** 10/12/23 12:28 Soluble Analysis 300.0 50 mL 50 mL 64548 СН **EET MID** 1

Client Sample ID: SW-5A Lab Sample ID: 890-5434-4

Date Collected: 10/10/23 12:15 **Matrix: Solid**

Date Received: 10/10/23 15:50

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	64546	10/12/23 10:50	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	64548	10/12/23 12:33	CH	EET MID

Laboratory References:

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

Eurofins Carlsbad

Accreditation/Certification Summary

Client: TRC Solutions, Inc.

Job ID: 890-5434-1

Project/Site: JR Horz Federal 016

SDG: Rural Malaga NM

Laboratory: Eurofins Midland

The accreditations/certifications listed below are applicable to this report.

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

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Method Summary

Client: TRC Solutions, Inc.

Project/Site: JR Horz Federal 016

Job ID: 890-5434-1

SDG: Rural Malaga NM

ODO.	Mulai	ivialaga	INIVI	

Method	Method Description	Protocol	Laboratory
300.0	Anions, Ion Chromatography	EPA	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

Laboratory References:

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

Eurofins Carlsbad

Sample Summary

Client: TRC Solutions, Inc. Project/Site: JR Horz Federal 016 Job ID: 890-5434-1 SDG: Rural Malaga NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
890-5434-1	SW-10A	Solid	10/10/23 12:00	10/10/23 15:50
890-5434-2	SW-9A	Solid	10/10/23 12:05	10/10/23 15:50
890-5434-3	SW-8A	Solid	10/10/23 12:10	10/10/23 15:50
890-5434-4	SW-5A	Solid	10/10/23 12:15	10/10/23 15:50

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Work Order No:

Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334 Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300 Chain of Custody

Environment Testing

eurofins 🛟

gnature) Date/Time	Received by: (Signature)	Relinquished by: (Signature) ১	10/10/24 1550	(e) 2	Received by: (Signature)	(Signature)	Relinquished by: (Signature)
	d conditions the control viously negotiated.	Notice: Signature of this document and relinquishment of samples on stitutes 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 service. 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.	o Eurofins Xenco, its affiliates and : expenses incurred by the client if i ed to Eurofins Xenco, but not analy	der from client company to onsibility for any losses or i s for each sample submitte	es constitutes a valld purchase or les and shall not assume any resp o each project and a charge of \$	ment and relinquishment of sample be liable only for the cost of sample rhage of \$85.00 will be applied t	Notice: Signature of this docur of service. Eurofins Xenco will of Eurofins Xenco. A minimum
Ag SiO ₂ Na Sr Tl Sn U V Zn Hg: 1631/245.1/7470/7471	Ii K Se Ag SiO ₂ Hg: 1631	PM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo P SPLP6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U	Al Sb As Ba Be B Cd Ca CRA Sb As Ba Be Cd Cr Co	PM Texas 11 Al SPLP 6010:8RCR	8RCRA 13P yzed TCLP/	Total 200.7 / 6010 200.8 / 6020: Circle Method(s) and Metal(s) to be analyzed	Total 200.7 / 6010 Circle Method(s) ar
			ブ	>	7 1215	>	8m- 5 A
			X		1210		
			ソ	1	5021		SW-9 A
Sample Comments			#of Cont	Depth Gomp C	Sampled Sampled	ication Matrix	Sample Identification
NaOH+Ascorbic Acid: SAPC			1010	00	Temperature Reading: Corrected Temperature:	Yes No N/A	Sample Custody Seals: Total Containers:
Na ₂ S ₂ O ₃ : NaSO ₃	ustody	890-5434 Chain of Custody		000	Correction Factor:	Yes Ne N/A	Samples Received Intact: Cooler Custody Seals:
H ₃ PO ₄ : HP			ietem 3	Yes No	Yes No Wet Ice:	Temp Blank:	SAMPLE RECEIPT
H ₂ SO ₄ : H ₂ NaOH: Na			0E.	reived by 4:30pm	the lab, if re		PO #:
			94	Oue Date: TAT starts the day received by		Roal mange, in	Project Location: Sampler's Name:
None: NO DI Water: H ₂ O			Pres. Code	7 hz us	Routine		Project Number:
Preservative Codes		ANALYSIS REQUEST		Turn Around	Federal Over Turn	Je Horz Fe	Project Name:
ADaPT Other:	Deliverables: EDD		74.	Jases, Miss	Email:	452-238-3007	
PST/UST	Reporting: Level II Level III			City, State ZIP:	79705	Misland, TX	e ZIP:
	State of Project:			Address:	STE 130E	10 Deste De	Address:
] Brownfields ☐ RRC ☐ Superfund [Program: UST/PST ☐ PRP☐			Company Name:		TR	Company Name:
	work Order Comments			Bill to: (if different)	(26)	Jacel Stotler	Project Manager:

Login Sample Receipt Checklist

Client: TRC Solutions, Inc.

Job Number: 890-5434-1

SDG Number: Rural Malaga NM

Login Number: 5434
List Source: Eurofins Carlsbad
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	

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Eurofins Carlsbad

Login Sample Receipt Checklist

Job Number: 890-5434-1 Client: TRC Solutions, Inc. SDG Number: Rural Malaga NM

List Source: Eurofins Midland Login Number: 5434 List Number: 2

List Creation: 10/12/23 10:38 AM

Creator: Rodriguez, Leticia

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

<6mm (1/4").

<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720

District II 811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III 1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS

Action 321621

QUESTIONS

Operator:	OGRID:
COG OPERATING LLC	229137
600 W Illinois Ave	Action Number:
Midland, TX 79701	321621
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAB1721454768
Incident Name	NAB1721454768 JR HORZ FEDERAL COM 006H @ 30-015-37904
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received
Incident Well	[30-015-37904] JR'S HORZ FEDERAL COM #006H

Location of Release Source	
Please answer all the questions in this group.	
Site Name	JR Horz Federal Com 006H
Date Release Discovered	07/28/2017
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	Cause: Corrosion Fitting Crude Oil Released: 0 BBL Recovered: 0 BBL Lost: 0 BBL.
Produced Water Released (bbls) Details	Cause: Corrosion Fitting Produced Water Released: 10 BBL Recovered: 0 BBL Lost: 10 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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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 321621

1220 S. St Francis Dr., Santa Fe, MM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462	
QUEST	TONS (continued)
Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137 Action Number: 321621 Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)
QUESTIONS	
Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No
Reasons why this would be considered a submission for a notification of a major release	Unavailable.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i	.e. gas only) are to be submitted on the C-129 form.
Initial Response	
The responsible party must undertake the following actions immediately unless they could create a	safety hazard that would result in injury.
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.
	flation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative o sted or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of evaluation in the follow-up C-141 submission.
to report and/or file certain release notifications and perform corrective actions for rele the OCD does not relieve the operator of liability should their operations have failed to	knowledge and understand that pursuant to OCD rules and regulations all operators are required tasses 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 rt 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: Jared Stoffel Title: Scientist Email: jstoffel@trccompanies.com

Date: 03/08/2024

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

QUESTIONS, Page 3

Action 321621

QUESTIONS (continued)

Operator:	OGRID:
COG OPERATING LLC	229137
600 W Illinois Ave	Action Number:
Midland, TX 79701	321621
	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 51 and 75 (ft.)
What method was used to determine the depth to ground water	Direct Measurement
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 500 and 1000 (ft.)
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	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Greater than 5 (mi.)
Any other fresh water well or spring	Greater than 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1000 (ft.) and ½ (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	Medium
A 100-year floodplain	Between 500 and 1000 (ft.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

Remediation Plan		
Please answer all the questions that apply or are indicated. This info	ormation must be provided to the	he appropriate district office no later than 90 days after the release discovery date.
Requesting a remediation plan approval with this submi	ssion	Yes
Attach a comprehensive report demonstrating the lateral and vertical	extents of soil contamination	associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.
Have the lateral and vertical extents of contamination bee	en fully delineated	Yes
Was this release entirely contained within a lined contain	nment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)		
Chloride (EPA 300.0 or SM4500	CIB)	37600
TPH (GRO+DRO+MRO) (EPA SW-846 Method 80	15M)	0
GRO+DRO (EPA SW-846 Method 8	8015M)	0
BTEX (EPA SW-846 Method 8	3021B or 8260B)	0
Benzene (EPA SW-846 Method 8	8021B or 8260B)	0
Per Subsection B of 19.15.29.11 NMAC unless the site characterizat which includes the anticipated timelines for beginning and completir		efforts 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		07/03/2023
On what date will (or did) the final sampling or liner inspe	ection occur	10/10/2023
On what date will (or was) the remediation complete(d)		10/13/2023
What is the estimated surface area (in square feet) that v	vill be reclaimed	0
What is the estimated volume (in cubic yards) that will be	reclaimed	0
What is the estimated surface area (in square feet) that v	will be remediated	8000
What is the estimated volume (in cubic yards) that will be	remediated	1560
These estimated dates and measurements are recognized to be the b	est 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 ac	cordance 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.

District I

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

QUESTIONS, Page 4

Action 321621

QUESTIONS (continued)

Operator:	OGRID:
COG OPERATING LLC	229137
600 W Illinois Ave	Action Number:
Midland, TX 79701	321621
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
(Select all answers below that apply.)	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	Not answered.
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Yes
In which state is the disposal taking place	Texas
What is the name of the out-of-state facility	R360 Red Bluff
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

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

I hereby agree and sign off to the above statement

Name: Jared Stoffel Title: Scientist

Email: jstoffel@trccompanies.com

Date: 03/08/2024

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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QUESTIONS, Page 5

Action 321621

QUESTIONS (continued)

Operator:	OGRID:
COG OPERATING LLC	229137
600 W Illinois Ave	Action Number:
Midland, TX 79701	321621
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS, Page 6

Action 321621

QUESTIONS (continued)

Operator:	OGRID:
COG OPERATING LLC	229137
600 W Illinois Ave	Action Number:
Midland, TX 79701	321621
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	321529
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	03/12/2024
What was the (estimated) number of samples that were to be gathered	41
What was the sampling surface area in square feet	8000

Remediation Closure Request		
Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.		
Requesting a remediation closure approval with this submission	Yes	
Have the lateral and vertical extents of contamination been fully delineated	Yes	
Was this release entirely contained within a lined containment area	No	
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes	
What was the total surface area (in square feet) remediated	8000	
What was the total volume (cubic yards) remediated	1560	
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	8000	
What was the total volume (in cubic yards) reclaimed	1560	
Summarize any additional remediation activities not included by answers (above)	Upper 4 feet were excavated and a liner was installed at the base of the excavation (above dense rock layer) as approved by BLM and OCD. The site was returned to grade with clean imported material. Excavated material was transported to offsite disposal.	

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

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

Name: Jared Stoffel
Title: Scientist
Email: jstoffel@trccompanies.com
Date: 03/08/2024

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QUESTIONS, Page 7

Action 321621

QUESTIONS (continued)

Operator:	OGRID:
COG OPERATING LLC	229137
600 W Illinois Ave	Action Number:
Midland, TX 79701	321621
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	No

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COMMENTS

Action 321621

COMMENTS

Operator:	OGRID:
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600 W Illinois Ave	Action Number:
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	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

COMMENTS

Created By		Comment Date
csmith	Returned to OCD Review, Operator Contacted OCD and provided Approved work Plan. Pending Review	3/20/2024

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CONDITIONS

Action 321621

CONDITIONS

Operator:	OGRID:
COG OPERATING LLC	229137
600 W Illinois Ave	Action Number:
Midland, TX 79701	321621
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
amaxwell	Remediation plan approved.	3/20/2024
amaxwell	The reclamation report will need to include: Executive Summary of the reclamation activities; Scaled Site Map including sampling locations; Analytical results including, but not limited to, results showing that any remaining impacts meet the reclamation standards and results to prove the backfill is non-waste containing; At least one (1) representative 5-point composite sample will need to be collected from the backfill material that will be used for the reclamation of the top four feet of the excavation. OCD reserves the right to request additional sampling if needed; pictures of the backfilled areas showing that the area is back, as nearly as practical, to the original condition or the final land use and maintain those areas to control dust and minimize erosion to the extent practical; pictures of the top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater; and a revegetation plan.	3/20/2024