



# Remediation Summary and Site Closure Request

February 28, 2024

## Rocket Federal Com #5H

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TABLE OF CONTENTS

1.0 INTRODUCTION AND BACKGROUND INFORMATION .....2

2.0 SITE CHARACTERIZATION .....2

3.0 NMOCD APPROVED WORK PLAN .....2

4.0 SUMMARY OF SOIL REMEDIATION ACTIVITIES .....3

5.0 SITE CLOSURE REQUEST .....6

6.0 LIMITATION.....6

7.0 DISTRIBUTION.....7



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## TABLES

Table 1: Re-Delineation Sample Analytical Results

Table 2: Confirmation Sample Analytical Results

## FIGURES

Figure 1: Site Location Map

Figure 2: Wellhead Protection Area Map

Figure 3: Karst Potential Map

Figure 4: Wetlands and FEMA Floodplain Map

Figure 5: Approved Workplan Delineation Figure From Tetra Tech

Figure 6: Excavation and Sample Location Map

## APPENDICES

Appendix A – NMOCD Approved Workplan – Appendix Removed

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

Appendix C –Photographic Documentation

Appendix D – Groundwater Database Results and DTW Confirmation Boring Log

Appendix E – Laboratory Analytical Reports



## 1.0 Introduction and Background Information

TRC Environmental Corporation (TRC), on behalf of ConocoPhillips, LLC (COP), has prepared this *Remediation Summary and Site Closure Request* for the Release Site known as the Rocket Federal Com #5H (Release Site). The legal description of the Site is Unit Letter "B", Section 10, Township 26 South, Range 29 East, in Eddy County, New Mexico. The GPS coordinates for the Site are N 32.06408° W-103.96908°. **Figures 1 and 2** depict the Site location.

On July 10, 2019, COP discovered the leak due to a damaged flowline, which resulted in a release of approximately 320 barrels (bbls) of produced water to the ground surface. Approximately 32,793 square feet of soils were impacted. The release was reported to the New Mexico Oil Conservation Division (NMOCD) on a C-141 form. A copy of the submitted Form C-141 for the Release is provided in Appendix A.

## 2.0 Site Characterization

A site investigation documented by Tetra Tech in a Revised Work Plan dated October 6, 2020, 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 1,000 feet southwest of the Site. The groundwater data and boring log are provided as **Appendix D**.

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 Rocket Federal Com #005 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 most stringent NMOCD guidelines were applied to the Site due to the adjacent watercourse as shown on **Figure 4**:

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

## 3.0 NMOCD Approved Work Plan

On October 6, 2020, a revised workplan was submitted to the New Mexico Oil Conservation Division (NMOCD) by Tetra Tech, on behalf of COP. Depth to groundwater at the Site is estimated to be greater than fifty (50) feet but less than one hundred (100) ft bgs based on the





adjacent groundwater determination borehole. **Figure 5** documents the sample locations on which the workplan was based.

In the approved workplan, the remediation activities were to occur following the removal of the chloride impacted soils. Based on laboratory results, COP proposes to excavate the areas to below NMOCD Closure Criteria in the areas representative of Trench-1 through Trench-4.

- Excavation of impacted soil will range from a depth of 1 ft bgs to 4 ft bgs.
- Excavation activities will proceed until the final excavation extent confirms compliance with Site Closure Criteria.
- Impacted soil will be disposed of at a licensed disposal facility.
- Following removal of impacted soil, five-point composite confirmation samples will be collected from the sidewalls and floor of the excavation every 400-500 square feet.
- Install a 20-mil polyvinyl liner in the areas excavated to 4 ft bgs or immediately above the underlying dense rock refusal layer, whichever occurs first.
- Collected samples will be submitted to the laboratory for TPH analysis by Method SW 846 8015 modified, BTEX by Method SW 846 8021B, and chloride by EPA Method 300.0.
- Once excavation activities are concluded and removed, the excavation will be backfilled with material purchased locally and recontoured to match pre-existing site conditions.

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 Secondary Site Investigation and Pipeline Site Assessment Activity and Results (July 2022)**

A secondary site investigation was conducted by TRC on July 14, 2022 at the request of COP due to the amount of time elapsed since the original Tetra Tech delineation. Vertical delineation was established at depths between 3 and 11 feet bgs utilizing trenching investigation data collected by TRC, with the exception of TT-9 and TT-10. The re-delineation data is presented in **Table 1**. The area represented by TT-9 and TT-10 was delineated fully at depth with a drill rig at 15 feet bgs during workplan development, and the onsite equipment utilized for the secondary site investigation was unable to reach these depths. The TT-9 and TT-10 data simply confirmed previously documented elevated chloride concentrations in the upper 11 feet of the area represented by Borehole-5 in the workplan. TRC modified the existing workplan within the approved framework at the request of COP. The modified plan includes:

- Excavation of the area represented by sample location TT-3 to a depth of 3.0 feet bgs and backfill with clean material to surface grade.
- Excavation of the areas represented by sample locations TT-4, TT-8, TT-9 and TT-10 to 4.0 feet bgs or until the dense rock refusal layer is encountered.



- Collect five-point composite bottom hole and sidewall samples every 400 square feet to represent the Release Area (a variance, requested per 19.15.29.14. A NMAC, approved by NMOCD by their approval of the workplan).
- Analyze the bottom hole and sidewall samples for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B, and Chloride by EPA method 300.0.
- Install a 20-mil polyvinyl liner in the areas excavated to 4.0 feet bgs.
- Remove affected soils and haul material to a disposal facility.
- Backfill excavated areas with clean “like” material to grade.

Additionally, prior to enactment of the soil remediation 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 **5 and 6**.

#### Kinder Morgan Fiberglass Water Pipeline

One (1) twelve (12) inch fiberglass water pipeline runs parallel to the northern edge of the Release site. The top of the line is located at approximately 2 feet bgs.

#### Energy Transfer High Pressure Pipeline

One (1) high pressure steel 30” pipeline runs parallel to the Kinder Morgan water line through the Release site, approximately 30 feet south of the 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 run atop the spill area.

#### 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) lines, ConocoPhillips discussed clearance distances with each of the Stakeholders. Kinder Morgan requested that excavation should not occur within 3 feet of their pipeline after potholing for



positive location. 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 Soil Remediation Activities

Soil remediation activities commenced on June 1, 2023 at the Site. An onsite geologist field screened for chloride concentrations to guide the excavation activities, both laterally and vertically. The excavation was advanced to the maximum extent practicable around the onsite pipeline infrastructure. At four (4) feet bgs, a very hard rock layer was encountered as described in the NMOCD approved workplan. The excavation depths ranged from approximately three (3) to four (4) ft bgs. Excavations did not exceed a depth of 4 feet bgs. A 20-mil polyvinyl liner was placed at the base of the 4-foot excavation to inhibit rainwater percolation through the areas with elevated chloride concentrations as documented by the confirmation soil samples. **Figure 6** depicts the excavation footprint and the associated soil sample locations. All soil was temporarily staged on polyvinyl sheeting adjacent to the excavation until it was transported to the R360 Red Bluff disposal facility in Orla, TX.

Confirmation soil samples were collected from the sidewalls and floor of the excavation on a one five-point composite soil sample every 400 square feet to verify all affected soils were removed during excavation activities. This frequency was approved by the NMOCD in the approval of the workplan. 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.

Each confirmation soil sample collected exhibited TPH and BTEX concentrations below NMOCD guidelines. Sidewall confirmation samples were each below NMOCD guidelines for chlorides except for SW-10 and SW-10A. The sidewall represented by these soil samples were laterally advanced to sidewall sample location SW-10B, which was below NMOCD guidelines. The floor confirmation samples were each below NMOCD guidelines for chlorides with the exception of FL-04 @ 4', FL-05 @ 4', FL-07 @ 4', FL-09 @ 4', FL-10 @ 4', FL-12 @ 4', FL-13 @ 4', FL-14 @ 4', FL-15 @ 4', FL-16 @ 4', FL-18 @ 4', FL-19 @ 4', and FL-20 @ 4'. The 20-mil polyvinyl liner was placed on top of these sample locations. The analytical results are summarized in **Table 2**. Photographic documentation of the remediation activities is provided as **Appendix C**. Laboratory analytical packets are provided as **Appendix E**.

After review of all the analytical results, the excavation was backfilled to grade with COP approved backfill material. The site was contoured and compacted to meet COP requirements. All excavated soils, approximately 1,920 cubic yards, were transported offsite to the R360 Red Bluff Facility in Orla, TX.



## 6.0 Site Closure Request

Remediation activities were conducted in accordance with the NMOCD approved workplan and NMOCD regulatory guidelines. Laboratory analytical results from excavation confirmation soil samples indicated chloride concentrations were below the NMOCD regulatory guidelines in the submitted 3 ft floor and sidewall sample locations. On the 4 ft excavation areas where chloride results were above NMOCD regulatory guidelines, a 20-mil liner was installed. Approximately 1,920 cubic yards of affected soil was transported to the R360 Red Bluff Facility in Orla, TX, and the Site was returned to grade with locally sourced non-impacted 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 Rocket Federal Com #5 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, LLC. 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, LLC.



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## 8.0 Distribution

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## TABLES

| Table 1.<br>Rocket Federal Com #5H<br>Re-Delineation Soil Samples |          |                     |
|---|----------|---------------------|
| Sample Name   | Date     | Chloride<br>(mg/kg) |
| NMOCD Guidelines  |          | 600                 |
| Trench Chloride Re-Delineation Samples                            |          |                     |
| TT-1 @ 0-1'   | 07/15/22 | 41.4                |
| TT-1 @ 2'   | 07/15/22 | 28.2                |
| TT-1 @ 3'   | 07/15/22 | 78.2                |
| TT-1 @ 4'   | 07/15/22 | 127                 |
| TT-1 @ 5'   | 07/15/22 | 89.1                |
| TT-2 @ 0-1'   | 07/14/22 | 155                 |
| TT-2 @ 2'   | 07/14/22 | 64.3                |
| TT-2 @ 3'   | 07/14/22 | 22.5                |
| TT-2 @ 4'   | 07/14/22 | 83.9                |
| TT-2 @ 5'   | 07/14/22 | 118                 |
| TT-3 @ 0-1'   | 07/15/22 | 3650                |
| TT-3 @ 2'   | 07/15/22 | 1970                |
| TT-3 @ 3'   | 07/15/22 | 181                 |
| TT-3 @ 4'   | 07/15/22 | 110                 |
| TT-3 @ 5'   | 07/15/22 | 175                 |
| TT-4 @ 0-1'   | 07/14/22 | 5160                |
| TT-4 @ 2'   | 07/14/22 | 4750                |
| TT-4 @ 3'   | 07/14/22 | 1120                |
| TT-4 @ 4'   | 07/14/22 | 93.7                |
| TT-4 @ 5'   | 07/14/22 | 86.1                |
| TT-4 @ 6'   | 07/14/22 | 232                 |
| TT-5 @ 0-1'   | 07/15/22 | 42.4                |
| TT-5 @ 2'   | 07/15/22 | 13.2                |
| TT-5 @ 3'   | 07/15/22 | 7.45                |
| TT-5 @ 4'   | 07/15/22 | 13.0                |
| TT-5 @ 5'   | 07/15/22 | 19.7                |
| TT-6 @ 0-1'   | 07/14/22 | <4.98               |
| TT-6 @ 2'   | 07/14/22 | 9.86                |
| TT-6 @ 3'   | 07/14/22 | <4.95               |
| TT-6 @ 4'   | 07/14/22 | 6.83                |
| TT-6 @ 5'   | 07/14/22 | <4.99               |
| TT-6 @ 6'   | 07/14/22 | 5.06                |
| TT-6 @ 7'   | 07/14/22 | 14.5                |
| TT-6 @ 8'   | 07/14/22 | 13.7                |
| TT-6 @ 9'   | 07/14/22 | 10.6                |
| TT-6 @ 10'  | 07/14/22 | 229                 |

| Table 1.<br>Rocket Federal Com #5H<br>Re-Delineation Soil Samples |          |                     |
|---|----------|---------------------|
| Sample Name   | Date     | Chloride<br>(mg/kg) |
| NMOCD Guidelines  |          | 600                 |
| TT-7 @ 0-1'   | 07/15/22 | 24.5                |
| TT-7 @ 2'   | 07/15/22 | 75.8                |
| TT-7 @ 3'   | 07/15/22 | 382                 |
| TT-7 @ 4'   | 07/15/22 | 416                 |
| TT-7 @ 5'   | 07/15/22 | 290                 |
| TT-8 @ 0-1'   | 07/14/22 | 2140                |
| TT-8 @ 2'   | 07/14/22 | 2490                |
| TT-8 @ 3'   | 07/14/22 | 3860                |
| TT-8 @ 4'   | 07/14/22 | 5940                |
| TT-8 @ 5'   | 07/14/22 | 3290                |
| TT-8 @ 6'   | 07/14/22 | 2290                |
| TT-8 @ 7'   | 07/14/22 | 1680                |
| TT-8 @ 8'   | 07/14/22 | 824                 |
| TT-8 @ 9'   | 07/14/22 | 600                 |
| TT-8 @ 10'  | 07/14/22 | 286                 |
| TT-8 @ 11'  | 07/14/22 | 371                 |
| TT-9 @ 0-1'   | 07/15/22 | 892                 |
| TT-9 @ 2'   | 07/15/22 | 651                 |
| TT-9 @ 3'   | 07/15/22 | 912                 |
| TT-9 @ 4'   | 07/15/22 | 1480                |
| TT-9 @ 5'   | 07/15/22 | 1850                |
| TT-9 @ 6'   | 07/15/22 | 1210                |
| TT-9 @ 7'   | 07/15/22 | 2110                |
| TT-9 @ 8'   | 07/15/22 | 1730                |
| TT-9 @ 9'   | 07/15/22 | 3210                |
| TT-9 @ 10'  | 07/15/22 | 3360                |
| TT-9 @ 11'  | 07/15/22 | 1660                |
| TT-10 @ 0-1'  | 07/14/22 | 642                 |
| TT-10 @ 2'  | 07/14/22 | 1340                |
| TT-10 @ 3'  | 07/14/22 | 1050                |
| TT-10 @ 4'  | 07/14/22 | 1050                |
| TT-10 @ 5'  | 07/14/22 | 602                 |
| TT-10 @ 6'  | 07/14/22 | 628                 |
| TT-10 @ 7'  | 07/14/22 | 1210                |
| TT-10 @ 8'  | 07/14/22 | 1460                |
| TT-10 @ 9'  | 07/14/22 | 4860                |
| TT-10 @ 10'   | 07/14/22 | 4450                |
| TT-10 @ 11'   | 07/15/22 | 2270                |



| Table 1.<br>Rocket Federal Com #5H<br>Re-Delineation Soil Samples |          |                     |
|---|----------|---------------------|
| Sample Name   | Date     | Chloride<br>(mg/kg) |
| NMOCD Guidelines  |          | 600                 |
| TT-11 @ 0-1'  | 07/15/22 | <b>7.93</b>         |
| TT-11 @ 2'  | 07/15/22 | <b>49.6</b>         |
| TT-11 @ 3'  | 07/15/22 | <b>152</b>          |
| TT-11 @ 4'  | 07/15/22 | <b>627</b>          |
| TT-11 @ 5'  | 07/15/22 | <b>116</b>          |
| Soil Sample Exhibits COC Concentrations above<br>NMOCD Guidelines |          |                     |

Table 2. Confirmation Sample Analytical Results

| Sample Name                   | Date      | Soil Status    | Benzene<br>(mg/kg) | Toluene<br>(mg/kg) | Ethylbenzene<br>(mg/kg) | Total<br>Xylenes<br>(mg/kg) | Total BTEX<br>(mg/kg) | Gasoline Range<br>Organics<br>(GRO) C6-C10<br>(mg/kg) | Diesel Range<br>Organics<br>(DRO) C11-C28<br>(mg/kg) | Oil Range<br>Organics<br>(ORO) (C29-C36)<br>(mg/kg) | Total TPH<br>(mg/kg) | Chloride<br>(mg/kg) |
|-------------------------------|-----------|----------------|--------------------|--------------------|-------------------------|-----------------------------|-----------------------|---|--|---|----------------------|---------------------|
| NMOCD Guidelines              |           |                | 5                  | -                  | -                       | -                           | 50                    | -   | -  | -   | 100                  | 600                 |
| Floor Confirmation Samples    |           |                |                    |                    |                         |                             |                       |   |  |   |                      |                     |
| FL-01 @ 3'                    | 06/01/23  | In Situ        | <0.00198           | <0.00198           | <0.00198                | <0.00396                    | <0.00396              | <49.9   | <49.9  | <49.9   | <49.9                | 419                 |
| FL-02 @ 3'                    | 06/01/23  | In Situ        | <0.00201           | <0.00201           | <0.00201                | <0.00402                    | <0.00402              | <49.9   | <49.9  | <49.9   | <49.9                | 152                 |
| FL-03 @ 3'                    | 06/01/23  | In Situ        | <0.00202           | <0.00202           | <0.00202                | <0.00404                    | <0.00404              | <50.0   | <50.0  | <50.0   | <50.0                | 261                 |
| FL-04 @ 4'                    | 06/01/23  | In Situ -Lined | <0.00200           | <0.00200           | <0.00200                | <0.00401                    | <0.00401              | <50.0   | <50.0  | <50.0   | <50.0                | 1000                |
| FL-05 @ 4'                    | 06/01/23  | In Situ -Lined | <0.00199           | <0.00199           | <0.00199                | <0.00398                    | <0.00398              | <49.9   | <49.9  | <49.9   | <49.9                | 1110                |
| FL-06 @ 4'                    | 06/01/23  | In Situ -Lined | <0.00198           | <0.00198           | <0.00198                | <0.00396                    | <0.00396              | <49.8   | <49.8  | <49.8   | <49.8                | 591                 |
| FL-07 @ 4'                    | 06/01/23  | In Situ -Lined | <0.00201           | <0.00201           | <0.00201                | <0.00402                    | <0.00402              | <49.9   | <49.9  | <49.9   | <49.9                | 1040                |
| FL-8 @ 4'                     | 06/07/23  | In Situ -Lined | <0.00199           | <0.00199           | <0.00199                | <0.00398                    | <0.00398              | <49.9   | <49.9  | <49.9   | <49.9                | 381                 |
| FL-9 @ 4'                     | 06/07/23  | In Situ -Lined | <0.00198           | <0.00198           | <0.00198                | <0.00396                    | <0.00396              | <49.9   | <49.9  | <49.9   | <49.9                | 779                 |
| FL-10 @ 4'                    | 06/07/23  | In Situ -Lined | <0.00200           | <0.00200           | <0.00200                | <0.00401                    | <0.00401              | <50.0   | <50.0  | <50.0   | <50.0                | 1620                |
| FL-11 @ 4'                    | 06/07/23  | In Situ -Lined | <0.00201           | <0.00201           | <0.00201                | <0.00402                    | <0.00402              | <50.0   | <50.0  | <50.0   | <50.0                | 110                 |
| FL-12 @ 4'                    | 06/07/23  | In Situ -Lined | <0.00200           | <0.00200           | <0.00200                | <0.00401                    | <0.00401              | <50.0   | <50.0  | <50.0   | <50.0                | 777                 |
| FL-13 @ 4'                    | 06/07/23  | In Situ -Lined | <0.00202           | <0.00202           | <0.00202                | <0.00404                    | <0.00404              | <49.8   | <49.8  | <49.8   | <49.8                | 764                 |
| FL-14 @ 4'                    | 06/07/23  | In Situ -Lined | <0.00202           | <0.00202           | <0.00202                | <0.00403                    | <0.00403              | <49.9   | <49.9  | <49.9   | <49.9                | 646                 |
| FL-15 @ 4'                    | 06/07/23  | In Situ -Lined | <0.00199           | <0.00199           | <0.00199                | <0.00398                    | <0.00398              | <49.9   | <49.9  | <49.9   | <49.9                | 1220                |
| FL-16 @ 4'                    | 06/08/23  | In Situ -Lined | <0.00202           | 0.00204            | <0.00202                | <0.00404                    | <0.00404              | <49.8   | <49.8  | <49.8   | <49.8                | 707                 |
| FL-17 @ 4'                    | 06/08/23  | In Situ -Lined | <0.00199           | <0.00199           | <0.00199                | <0.00398                    | <0.00398              | <50.0   | <50.0  | <50.0   | <50.0                | 330                 |
| FL-18 @ 4'                    | 06/08/23  | In Situ -Lined | <0.00198           | <0.00198           | <0.00198                | <0.00396                    | <0.00396              | <49.9   | <49.9  | <49.9   | <49.9                | 1730                |
| FL-19 @ 4'                    | 06/08/23  | In Situ -Lined | <0.00201           | <0.00201           | <0.00201                | <0.00402                    | <0.00402              | <49.8   | <49.8  | <49.8   | <49.8                | 2040                |
| FL-20 @ 4'                    | 06/08/23  | In Situ -Lined | <0.00200           | <0.00200           | <0.00200                | <0.00401                    | <0.00401              | <50.0   | <50.0  | <50.0   | <50.0                | 1710                |
| FL-21 @ 4'                    | 06/08/23  | In Situ -Lined | <0.00198           | <0.00198           | <0.00198                | <0.00396                    | <0.00396              | <49.9   | <49.9  | <49.9   | <49.9                | 139                 |
| Sidewall Confirmation Samples |           |                |                    |                    |                         |                             |                       |   |  |   |                      |                     |
| SW-01                         | 06/01/23  | In Situ        | <0.00198           | <0.00198           | <0.00198                | <0.00396                    | <0.00396              | <49.9   | <49.9  | <49.9   | <49.9                | 523                 |
| SW-02                         | 06/01/23  | In Situ        | <0.00198           | <0.00198           | <0.00198                | <0.00397                    | <0.00397              | <49.9   | <49.9  | <49.9   | <49.9                | 175                 |
| SW-03                         | 06/01/23  | In Situ        | <0.00202           | <0.00202           | <0.00202                | <0.00403                    | <0.00403              | <49.8   | <49.8  | <49.8   | <49.8                | 245                 |
| SW-04                         | 06/01/23  | In Situ        | <0.00201           | <0.00201           | <0.00201                | <0.00402                    | <0.00402              | <50.0   | <50.0  | <50.0   | <50.0                | 218                 |
| SW-05                         | 06/01/23  | In Situ        | <0.00200           | <0.00200           | <0.00200                | <0.00399                    | <0.00399              | <50.0   | <50.0  | <50.0   | <50.0                | 212                 |
| SW-06                         | 06/01/23  | In Situ        | <0.00200           | <0.00200           | <0.00200                | <0.00400                    | <0.00400              | <49.8   | <49.8  | <49.8   | <49.8                | 209                 |
| SW-07                         | 06/01/23  | In Situ        | <0.000990          | <0.00495           | <0.000990               | <0.00198                    | <0.00198              | <49.8   | <49.8  | <49.8   | <49.8                | 53.6                |
| SW-08                         | 06/01/23  | In Situ        | <0.00101           | <0.00503           | <0.00101                | <0.00201                    | <0.00201              | <49.9   | <49.9  | <49.9   | <49.9                | 395                 |
| SW-09                         | 06/01/23  | In Situ        | <0.00101           | <0.00504           | <0.00101                | <0.00202                    | <0.00202              | <50.0   | <50.0  | <50.0   | <50.0                | 282                 |
| SW-10                         | 06/01/23  | Excavated      | <0.000996          | <0.00498           | <0.000996               | <0.00199                    | <0.00199              | <50.0   | <50.0  | <50.0   | <50.0                | 844                 |
| SW-10A                        | 06/07/23  | Excavated      | <0.00198           | <0.00198           | <0.00198                | <0.00396                    | <0.00396              | <50.0   | <50.0  | <50.0   | <50.0                | 684                 |
| SW-10B                        | 6/13/2023 | In Situ        | <0.00200           | <0.00200           | <0.00200                | <0.00401                    | <0.00401              | <50.0   | <50.0  | <50.0   | <50.0                | 94.0                |
| SW-11                         | 06/07/23  | In Situ        | <0.00202           | <0.00202           | <0.00202                | <0.00403                    | <0.00403              | <49.8   | <49.8  | <49.8   | <49.8                | 106                 |
| SW-12                         | 06/07/23  | In Situ        | <0.00198           | <0.00198           | <0.00198                | <0.00397                    | <0.00397              | <49.9   | <49.9  | <49.9   | <49.9                | 284                 |
| SW-13                         | 06/08/23  | In Situ        | <0.00199           | <0.00199           | <0.00199                | <0.00398                    | <0.00398              | <49.9   | <49.9  | <49.9   | <49.9                | 67.0                |
| SW-14                         | 06/09/23  | In Situ        | <0.00199           | <0.00199           | <0.00199                | <0.00398                    | <0.00398              | <49.8   | <49.8  | <49.8   | <49.8                | 70.4                |
| SW-15                         | 06/07/23  | In Situ        | <0.00200           | <0.00200           | <0.00200                | <0.00399                    | <0.00399              | <50.0   | <50.0  | <50.0   | <50.0                | 84.5                |
| SW-16                         | 06/07/23  | In Situ        | <0.00198           | <0.00198           | <0.00198                | <0.00396                    | <0.00396              | <50.0   | <50.0  | <50.0   | <50.0                | 106                 |
| SW-17                         | 06/08/23  | In Situ        | <0.00201           | 0.00214            | <0.00201                | <0.00402                    | <0.00402              | <49.8   | <49.8  | <49.8   | <49.8                | 68.5                |
| SW-18                         | 06/08/23  | In Situ        | <0.00201           | <0.00201           | <0.00201                | <0.00402                    | <0.00402              | <49.8   | <49.8  | <49.8   | <49.8                | 80.9                |

Soil Sample Exhibits COC Concentrations above NMOCD Guidelines

Soil Status Options - Sidewalls and Floors:

In Situ - COCs all below NMOCD guidelines

Excavated - COCs above NMOCD guidelines

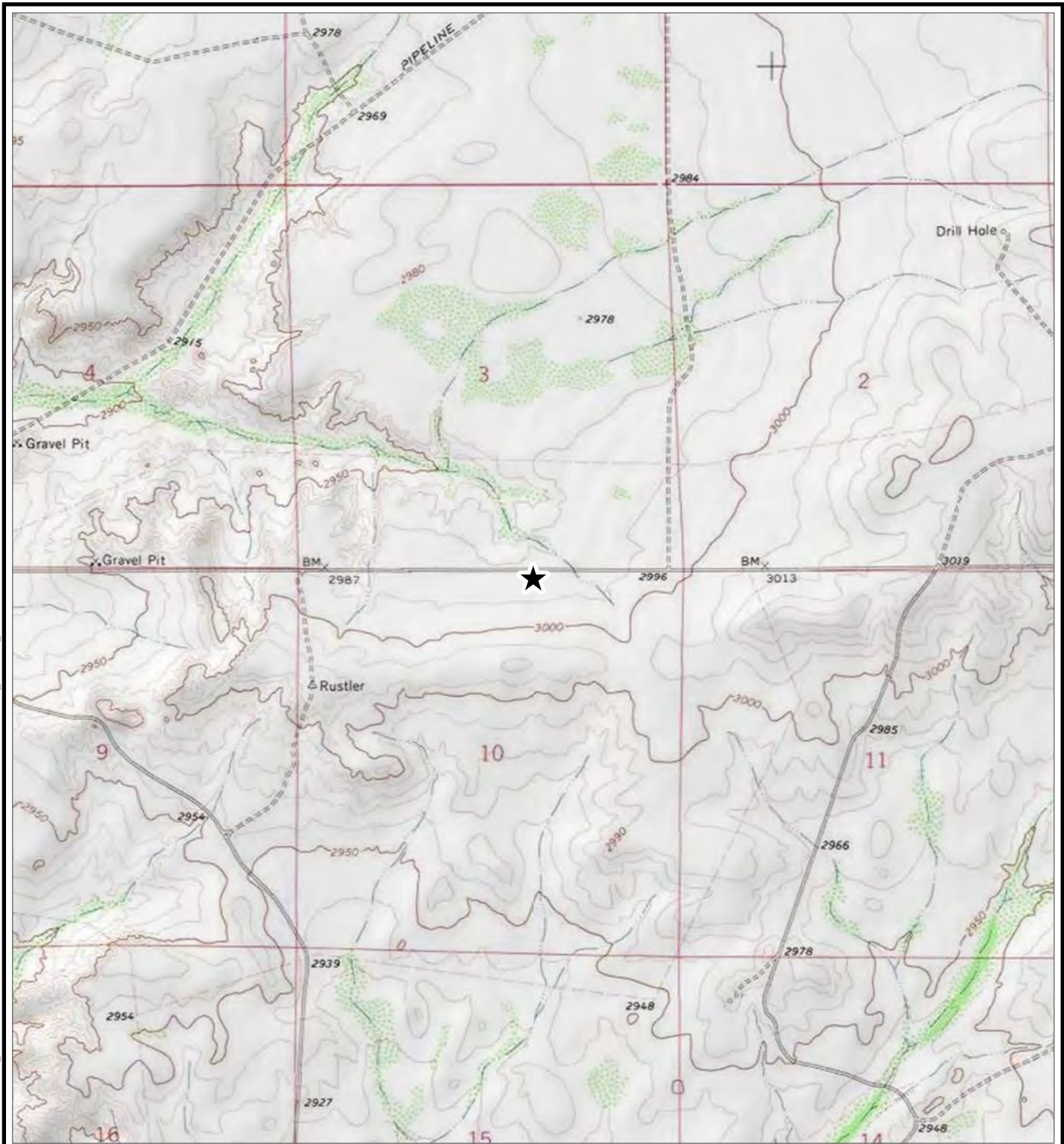
Soil Status Options - Overburden:

Re-used for backfill material - COCs all below NMOCD guidelines

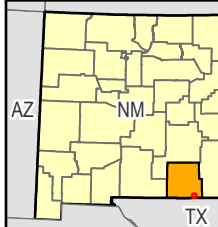
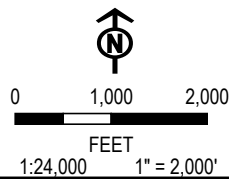
Transported to Disposal - COCs above NMOCD guidelines



## FIGURES



★ SITE LOCATION



BASE MAP: USGS TOPO MAPS  
DATA SOURCES: TRC  
QUAD: ROSS RANCH

PROJECT: **CONOCOPHILLIPS  
ROCKET FEDERAL COM #5H  
EDDY COUNTY, NEW MEXICO**

TITLE: **SITE LOCATION MAP**

DRAWN BY: A. CLINE PROJ. NO.: 495496

CHECKED BY: M. JAGOE

APPROVED BY: P. SHIN

DATE: SEPTEMBER 2023

**FIGURE 1**

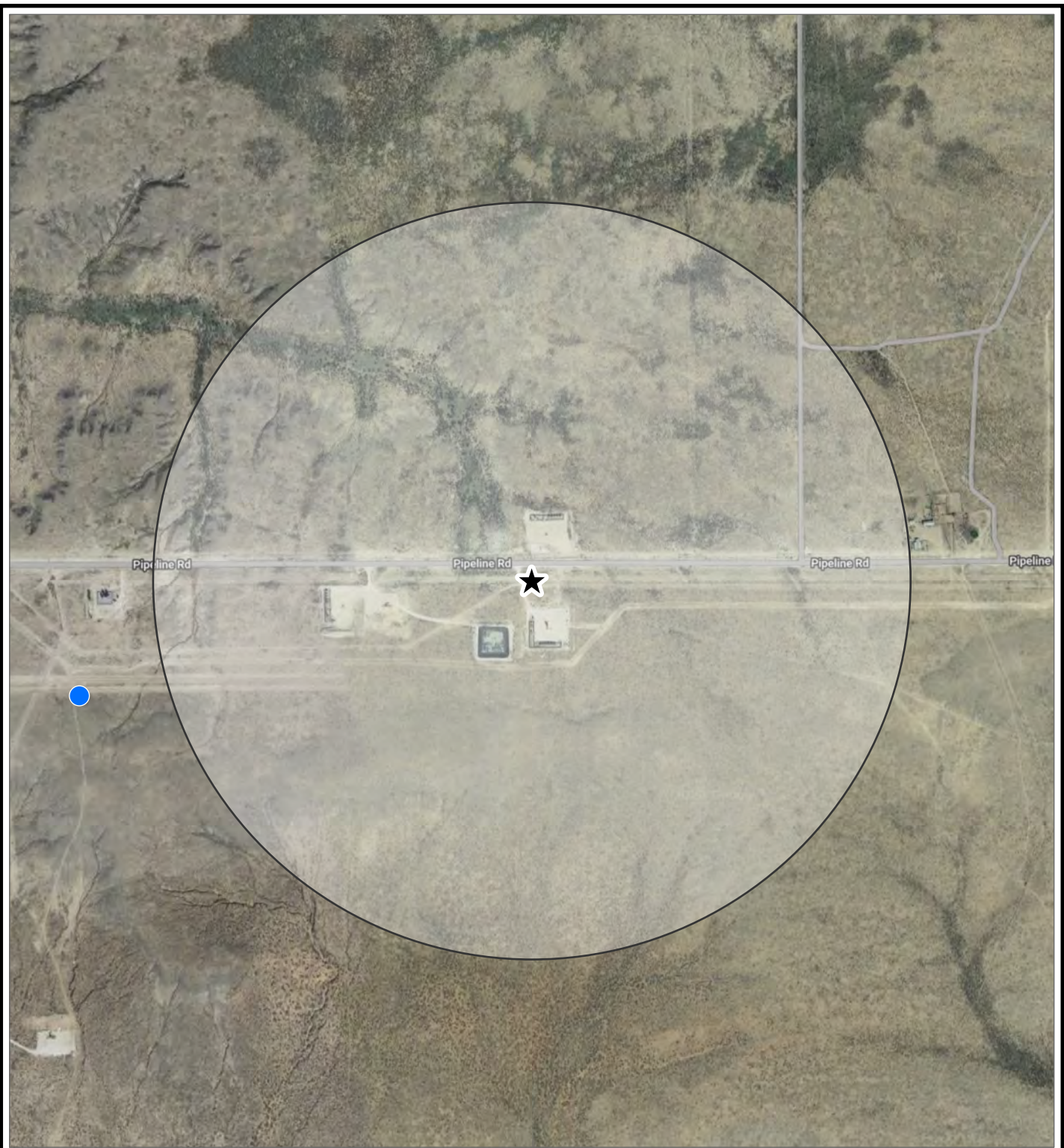





505 EAST HUNTLAND DRIVE  
SUITE #250  
AUSTIN, TX 78752  
PHONE: 512.329.6080

FILE: ROCKETFEDERAL

COORDINATE SYSTEM: NAD 1983 STATEPLANE NEW MEXICO EAST FIPS 3001 FEET; MAP ROTATION: 0  
— SAVED BY: A. CLINE ON 9/7/2023, 17:41:47 PM. FILE PATH: T:\1-PROJECTS\ROCKET\_FEDERAL\495496\2-APRX\ROCKETFEDERAL\APRX: LAYOUT NAME: 495496 FIGURE1 SITELOCATION.MXD





|  |  |   |   |  |  |  |                    |                   |                      |                 |                      |                      |  |  |  |                     |  |
|--|--|---|---|--|--|--|--------------------|-------------------|----------------------|-----------------|----------------------|----------------------|--|--|--|---------------------|--|
| <p>★ SITE LOCATION</p> <p>○ HALF MILE BUFFER</p> <p>● WELLHEAD</p> <p>BASE MAP: GOOGLE EARTH, 6/22/2022<br/>DATA SOURCES: TRC</p>  | <p>0 500 1,000<br/>FEET<br/>1:12,000 1" = 1,000'</p> | <table border="1"> <tr> <td colspan="2">PROJECT: <b>CONOCOPHILLIPS<br/>ROCKET FEDERAL COM #5H<br/>EDDY COUNTY, NEW MEXICO</b></td> </tr> <tr> <td colspan="2">TITLE: <b>WELLHEAD PROTECTION AREA MAP</b></td> </tr> <tr> <td>DRAWN BY: A. CLINE</td> <td>PROJ. NO.: 495496</td> </tr> <tr> <td>CHECKED BY: M. JAGOE</td> <td rowspan="2"><b>FIGURE 2</b></td> </tr> <tr> <td>APPROVED BY: P. SHIN</td> </tr> <tr> <td>DATE: SEPTEMBER 2023</td> <td></td> </tr> <tr> <td colspan="2">  <div> 505 EAST HUNTLAND DRIVE<br/> SUITE #250<br/> AUSTIN, TX 78752<br/> PHONE: 512.329.6080 </div> </td> </tr> <tr> <td colspan="2">FILE: ROCKETFEDERAL</td> </tr> </table> | PROJECT: <b>CONOCOPHILLIPS<br/>ROCKET FEDERAL COM #5H<br/>EDDY COUNTY, NEW MEXICO</b> |  | TITLE: <b>WELLHEAD PROTECTION AREA MAP</b> |  | DRAWN BY: A. CLINE | PROJ. NO.: 495496 | CHECKED BY: M. JAGOE | <b>FIGURE 2</b> | APPROVED BY: P. SHIN | DATE: SEPTEMBER 2023 |  |  <div> 505 EAST HUNTLAND DRIVE<br/> SUITE #250<br/> AUSTIN, TX 78752<br/> PHONE: 512.329.6080 </div> |  | FILE: ROCKETFEDERAL |  |
| PROJECT: <b>CONOCOPHILLIPS<br/>ROCKET FEDERAL COM #5H<br/>EDDY COUNTY, NEW MEXICO</b>  |  |   |   |  |  |  |                    |                   |                      |                 |                      |                      |  |  |  |                     |  |
| TITLE: <b>WELLHEAD PROTECTION AREA MAP</b>   |  |   |   |  |  |  |                    |                   |                      |                 |                      |                      |  |  |  |                     |  |
| DRAWN BY: A. CLINE   | PROJ. NO.: 495496                                    |   |   |  |  |  |                    |                   |                      |                 |                      |                      |  |  |  |                     |  |
| CHECKED BY: M. JAGOE   | <b>FIGURE 2</b>                                      |   |   |  |  |  |                    |                   |                      |                 |                      |                      |  |  |  |                     |  |
| APPROVED BY: P. SHIN   |  |   |   |  |  |  |                    |                   |                      |                 |                      |                      |  |  |  |                     |  |
| DATE: SEPTEMBER 2023   |  |   |   |  |  |  |                    |                   |                      |                 |                      |                      |  |  |  |                     |  |
|  <div> 505 EAST HUNTLAND DRIVE<br/> SUITE #250<br/> AUSTIN, TX 78752<br/> PHONE: 512.329.6080 </div> |  |   |   |  |  |  |                    |                   |                      |                 |                      |                      |  |  |  |                     |  |
| FILE: ROCKETFEDERAL  |  |   |   |  |  |  |                    |                   |                      |                 |                      |                      |  |  |  |                     |  |





★ SITE LOCATION

WETLANDS

100 YEAR FLOODPLAIN

0 500 1,000  
FEET  
1:12,000 1" = 1,000'

PROJECT: CONOCOPHILLIPS  
ROCKET FEDERAL COM #5H  
EDDY COUNTY, NEW MEXICO

TITLE: WETLANDS AND FEMA FLOODPLAIN MAP

DRAWN BY: A. CLINE  
CHECKED BY: M. JAGOE  
APPROVED BY: P. SHIN  
DATE: SEPTEMBER 2023

PROJ. NO.: 495496

FIGURE 3

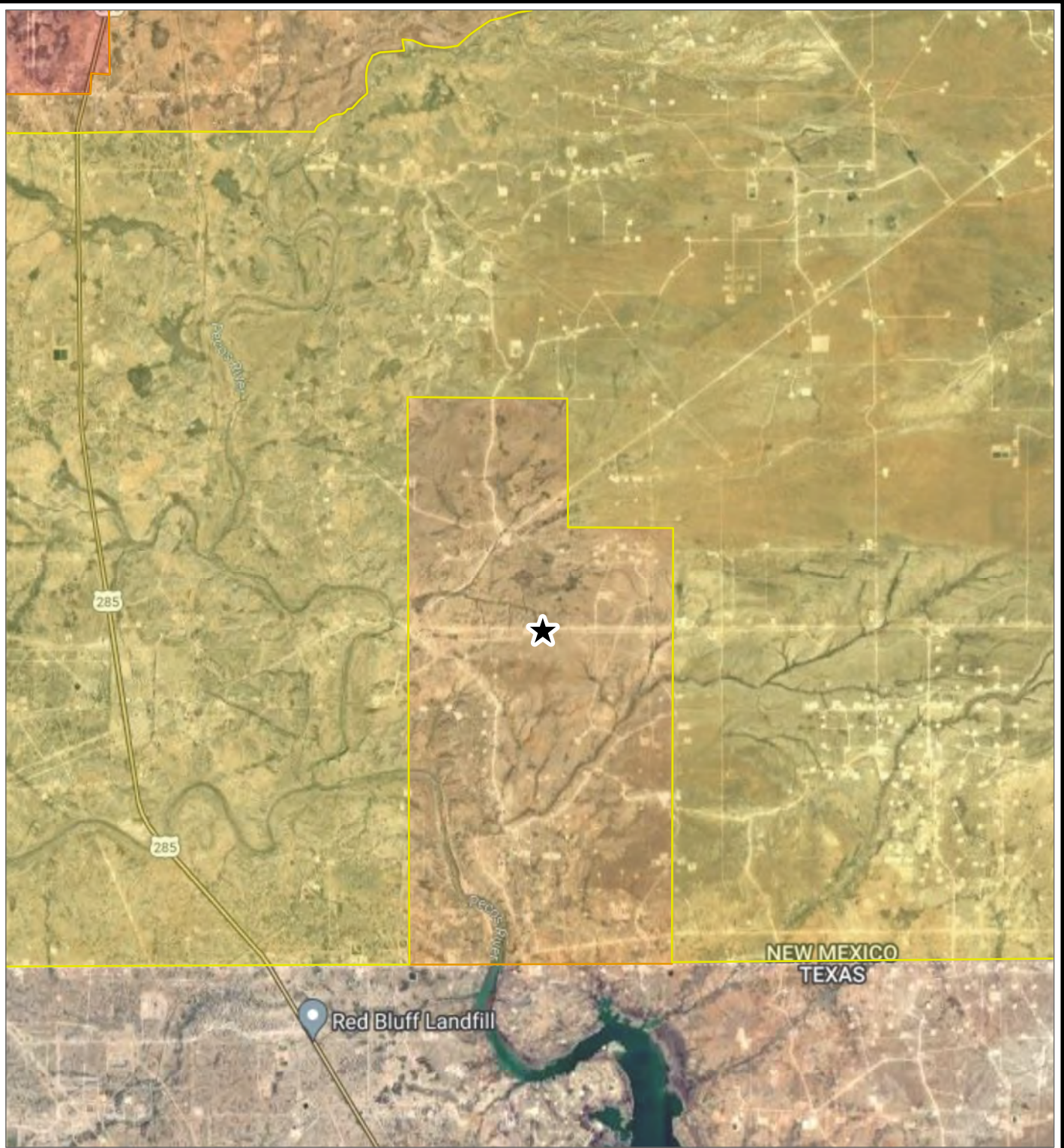
505 EAST HUNTLAND DRIVE  
SUITE #250  
AUSTIN, TX 78752  
PHONE: 512.329.6080

FILE: ROCKETFEDERAL

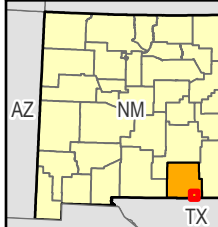
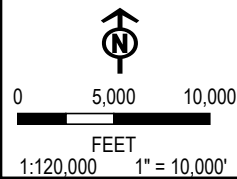
BASE MAP: GOOGLE EARTH, 6/22/2022  
DATA SOURCES: TRC

Released to Imaging: 5/15/2024 2:25:32 PM





- ★ SITE LOCATION
- CRITICAL KARST POTENTIAL
- HIGH KARST POTENTIAL
- MEDIUM KARST POTENTIAL



BASE MAP: GOOGLE EARTH, 6/22/2022  
DATA SOURCES: TRC

PROJECT: **CONOCOPHILLIPS  
ROCKET FEDERAL COM #5H  
EDDY COUNTY, NEW MEXICO**

TITLE: **KARST POTENTIAL MAP**

DRAWN BY: A. CLINE PROJ. NO.: 495496

CHECKED BY: M. JAGOE

APPROVED BY: P. SHIN

DATE: SEPTEMBER 2023

**FIGURE 4**



505 EAST HUNTLAND DRIVE  
SUITE #250  
AUSTIN, TX 78752  
PHONE: 512.329.6080

FILE: ROCKETFEDERAL

COORDINATE SYSTEM: NAD 1983 STATEPLANE NEW MEXICO EAST FIPS 3001 FEET; MAP ROTATION: 0  
— SAVED BY: A. CLINE ON 9/7/2023, 17:41:47 PM; FILE PATH: T:\PROJECTS\ROCKET\_FEDERAL\495496\2-APRX\ROCKETFEDERAL.APRX; LAYOUT NAME: 495496\_FIGURE4\_KARSTPOTENTIAL.MAP



Coordinate System: NAD 1983 StatePlane New Mexico East FIPS 3001 Feet, Map Rotation: 0  
-- Saved By: SRAY on 1/22/2024, 12:51:49 PM, File Path: T:\1-PROJECTS\Rocket Federal\495496\c-APPROX\RocketFederal.aprx, Layout Name: RocketFederal\_Fig2\_ApprovedWorkplanDelineation



- HORIZONTAL DELINEATION SAMPLE LOCATION
- VERTICAL DELINEATION SAMPLE LOCATION
- BURIED HIGH PRESSURE ENERGY TRANSFER LINE
- KINDER MORGAN BURIED WATER LINE
- SURFACE FLOWLINE
- RELEASE EXTENT

BASE MAP: GOOGLE EARTH PRO, 12/16/2019.  
DATA SOURCES: TRC, TETRATECH



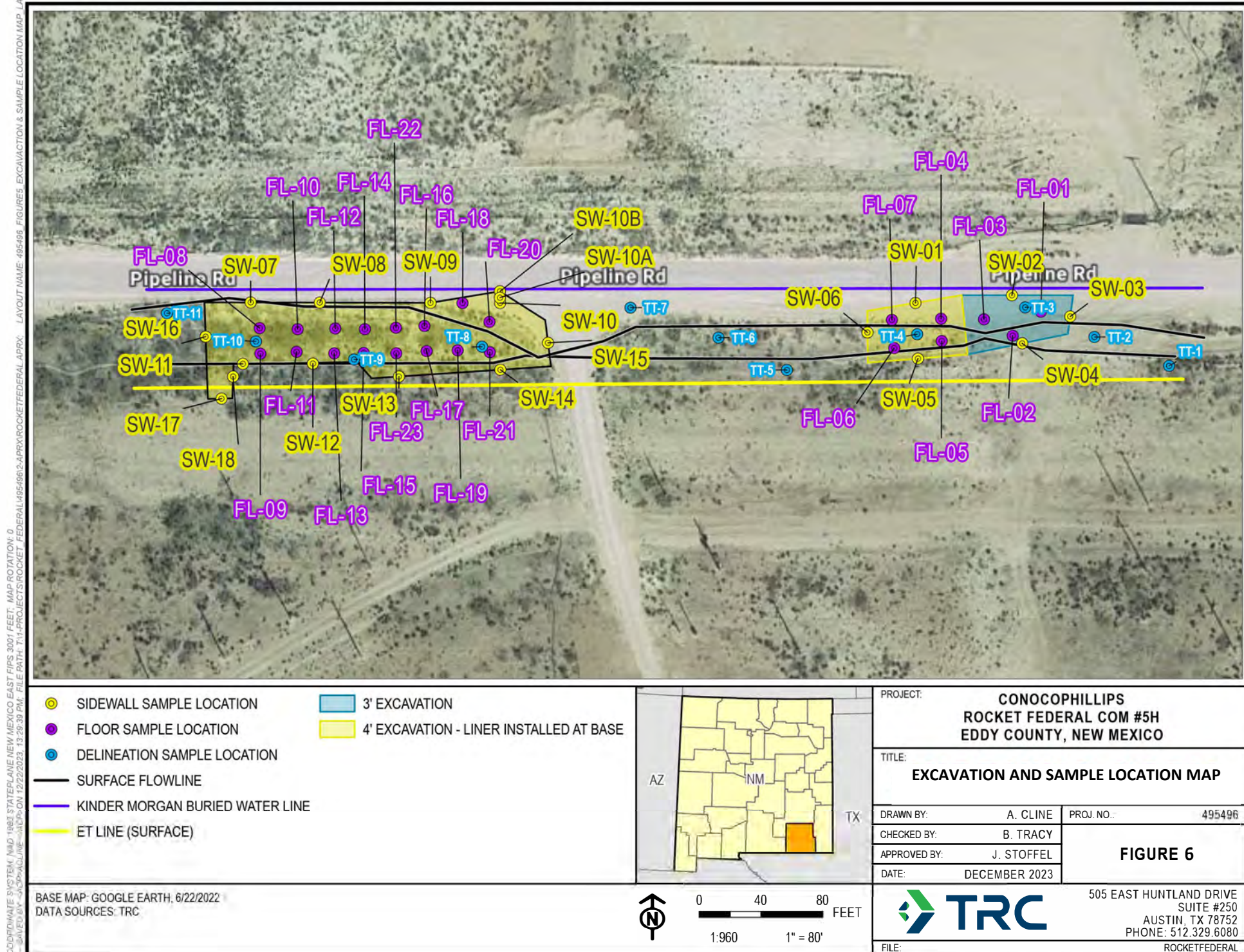
1:720

1" = 60'



|  |  |
|--|--|
| PROJECT:<br><b>CONOCOPHILLIPS<br/>ROCKET FEDERAL COM #5H<br/>EDDY COUNTY, NEW MEXICO</b> |  |
| TITLE:<br><b>APPROVED WORKPLAN DELINEATION FIGURE<br/>FROM TETRATECH</b>                 |  |
| DRAWN BY: S. RAY   | PROJ. NO.: 495496.0000.0000  |
| CHECKED BY: M. BRYANT  | <b>FIGURE 5</b>  |
| APPROVED BY: J. STOFFEL  |  |
| DATE: JANUARY 2024   |  |
|  | 505 EAST HUNTLAND DRIVE<br>SUITE #250<br>AUSTIN, TX 78752<br>PHONE: 512.329.6080 |
|  | FILE: RocketFederal.aprx   |







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**Appendix A: NMOCD Approved Workplan – Analytical Appendix  
Removed**

## SITE INFORMATION

### Report Type: Revised Work Plan Incident ID # 1922033443

#### General Site Information:

|                             |   |         |       |            |  |  |
|-----------------------------|---|---------|-------|------------|--|--|
| Site:                       | Rocket Federal Com #5H  |         |       |            |  |  |
| Company:                    | COG Operating LLC   |         |       |            |  |  |
| Section, Township and Range | Unit B  | Sec. 10 | T 26S | R 29E      |  |  |
| Lease Number:               |   |         |       |            |  |  |
| County:                     | Eddy County   |         |       |            |  |  |
| GPS:                        | 32.06408  |         |       | -103.96908 |  |  |
| Surface Owner:              | Federal   |         |       |            |  |  |
| Directions:                 | From the intersection of US 285 and Longhorn Rd, travel east on Longhorn Rd for 4.3 miles, turn northeast onto Pipeline Rd for 1.75 miles to location along the lease road. |         |       |            |  |  |
|                             |   |         |       |            |  |  |
|                             |   |         |       |            |  |  |
|                             |   |         |       |            |  |  |
|                             |   |         |       |            |  |  |

#### Release Data:

|                                 |                |
|---------------------------------|----------------|
| <b>Date Released:</b>           | 7/10/2019      |
| <b>Type Release:</b>            | Produced Water |
| <b>Source of Contamination:</b> | Flowline       |
| <b>Fluid Released:</b>          | 320 bbls       |
| <b>Fluids Recovered:</b>        | 300 bbls       |

#### Official Communication:

|                      |  |  |  |
|----------------------|--|--|--|
| <b>Name:</b>         | Ike Tavaréz  |  | Clair Gonzales   |
| <b>Company:</b>      | COG Operating, LLC   |  | Tetra Tech   |
| <b>Address:</b>      | One Concho Center  |  | 901 West Wall Street   |
|                      | 600 W. Illinois Ave.   |  | Suite 100  |
| <b>City:</b>         | Midland Texas, 79701   |  | Midland, Texas   |
| <b>Phone number:</b> | (432) 686-3023   |  | (432) 687-8110   |
| <b>Fax:</b>          | (432) 684-7137   |  |  |
| <b>Email:</b>        | <a href="mailto:itavarez@concho.com">itavarez@concho.com</a> |  | <a href="mailto:Clair.Gonzales@tetrattech.com">Clair.Gonzales@tetrattech.com</a> |

#### Site Characterization

|                              |                                 |
|------------------------------|---------------------------------|
| <b>Depth to Groundwater:</b> | >55'                            |
| <b>Karst Potential:</b>      | Medium                          |
| <b>Surface Water:</b>        | 145' from USGS Blue Dotted Line |

#### Recommended Remedial Action Levels (RRALs)

| <b>Benzene</b> | <b>Total BTEX</b> | <b>TPH (GRO+DRO+MRO)</b> | <b>Chlorides</b> |
|----------------|-------------------|--------------------------|------------------|
| 10 mg/kg       | 50 mg/kg          | 100 mg/kg                | 600 mg/kg        |





October 6, 2020

Mr. Mike Bratcher  
District Supervisor  
Oil Conservation Division, District 2  
811 S. First Street  
Artesia, New Mexico 88210

**Re: Revised Work Plan for the COG Operating, LLC, Rocket Fed Com #5H, Unit B, Section 10, Township 26 South, Range 29 East, Eddy County, New Mexico. Incident ID # 1922033443**

Mr. Bratcher:

Tetra Tech, Inc. (Tetra Tech) was contacted by COG Operating, LLC (COG), to assess a release that occurred at the Rocket Fed Com #5H, Unit B, Section 10, Township 26 South, Range 29 East, Eddy County, New Mexico (Site). The spill site coordinates are 32.06408°, -103.96908°. The site location is shown on Figures 1 and 2.

The NMOCD denied the work plan, dated April 7, 2020. The OCD requested samples for horizontal extents and denied the liner due to lack of groundwater in the area.

## Background

According to the State of New Mexico C-141 Initial Report, the leak was discovered on July 10, 2019, and released approximately 320 barrels of produced water due to a damaged flowline. A vacuum truck was dispatched to remove all freestanding fluids, recovering approximately 300 barrels of produced water. The release occurred along Pipeline Rd impacting areas measuring 643' x 51'. The initial C-141 form is included in Appendix A.

## Site Characterization

A site characterization was performed for the site, and no lakebeds, sinkholes, playa lakes, residences, schools, hospitals, institutions, churches, springs, private domestic water wells, wetlands, incorporated municipal boundaries, subsurface mines, or floodplains are located within the specified distances. However, the site is located in a medium karst potential area. Additionally, the release occurred within 300' of a watercourse, as defined as a blue dotted line on the USGS quadrangle map. No water wells were listed within Section 10 on the New Mexico Office of the State Engineer's (NMOSE) database, the Geology and Groundwater Resources of Eddy County (Report 3), or the USGS National Water Information Database. The nearest well is listed in Section 16 on the USGS Water Information Database, approximately 1.20 miles southeast of the site, and has a reported depth to groundwater of 120' below surface. The groundwater data is shown in Appendix B.

Tetra Tech

4000 North Big Spring, Suite 401, Midland, TX 79705

Tel 432.682.4559 Fax 432.682.3946 www.tetrattech.com

**TETRA TECH**

### Depth to Water Determination

On August 3, 2020, Scarborough Drilling, Inc was onsite to drill a groundwater determination borehole to 55' below ground surface and within a ½ mile radius of the location. The borehole was left open for 72 hours and checked borehole for the presence of groundwater. No water was detected at 55' below surface. The borehole coordinates are 32.063589 -103.972770. The driller log is shown in Appendix B.

### **Regulatory**

A risk-based evaluation was performed for the site in accordance with the New Mexico Oil Conservation Division (NMOCD) Guidelines for Remediation of Leaks, Spills, and Releases, updated August 14, 2018. The guidelines require a risk-based evaluation of the site to determine recommended remedial action levels (RRAL) for benzene, toluene, ethylbenzene and xylene (collectively referred to as BTEX) and total petroleum hydrocarbons (TPH) in soil. A site characterization was performed for the site and no watercourses, lakebeds, sinkholes, playa lakes, residences, schools, hospitals, institutions, churches, springs, private domestic water wells, springs, wetlands, incorporated municipal boundaries, subsurface mines, or floodplains are located within the specified distances. Additionally, the site is located in a low karst potential area. The proposed RRAL for benzene was determined to be 10 parts per million (ppm) or milligrams per kilogram (mg/kg) and 50 ppm for total BTEX (sum of benzene, toluene, ethylbenzene, and xylene). Based upon the site characterization, the proposed RRAL for TPH is 100 mg/kg (GRO + DRO + MRO). Additionally, based on the site characterization, the proposed RRAL for chlorides is 600 mg/kg.

### **Soil Assessment and Analytical Results**

#### Initial Assessment

On August 26, 2019, Tetra Tech personnel were onsite to evaluate and sample the release area. A total of five auger holes (AH-1 through AH-5) were installed in the release footprint to total depths of 0-1' below surface. Deeper samples could not be collected due to a dense formation in the area. Additionally, five horizontal delineation samples were collected (East 1 Horizontal, West 1 Horizontal, South 1 Horizontal, South 2 Horizontal, and South 3 Horizontal). Soil samples were collected and submitted to the laboratory for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B, and chloride by EPA method 300.0. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix C. The results of the sampling are summarized in Table 1. The sample locations are shown on Figure 3.

Referring to Table 1, none of the samples collected showed benzene, total BTEX, or TPH concentrations above the laboratory reporting limits. Additionally, all of the horizontal delineation samples showed chloride concentrations below the RRAL, with concentrations ranging from 15.4 mg/kg to 69.5 mg/kg. However, the areas of AH-1 through AH-5 showed elevated chloride concentrations in the shallow soils, with concentrations of 10,300 mg/kg, 14,800 mg/kg, 7,600 mg/kg, 12,400 mg/kg, and 5,380 mg/kg at 0-1' below surface, respectively.

**TETRA TECH**

### Boreholes

Based on the laboratory data, Tetra Tech personnel returned to the site on October 17, 2019, to vertically define the chloride concentrations in the areas of AH-1 through AH-5. A total of five boreholes (Borehole #1 through Borehole #5) were installed in the areas of AH-1 through AH-5 to total depths ranging from 9'-10' and 19'-20' below surface using a truck mounted air rotary drilling rig. Soil samples were collected and submitted to the laboratory for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B, and chloride by EPA method 300.0. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix C. The results of the sampling are summarized in Table 1. The sample locations are shown on Figure 3.

Referring to Table 1, none of the samples analyzed for benzene, total BTEX, or TPH showed concentrations above the laboratory reporting limits.

The area of Borehole #1 did not show any significant chloride concentrations to the soils, with chloride concentrations ranging from <10.01 mg/kg (2'-3') to 111 mg/kg (6'-7'). The area of Borehole #2 showed elevated chlorides in the shallow soils, with a chloride high of 6,650 mg/kg at 2'-3', which then declined with depth to 36.3 mg/kg at 4'-5' and showed a bottom hole concentration of 74.0 mg/kg at 9'-10' below surface. The areas of Borehole #3 and Borehole #5 showed minimal chloride concentrations in the shallow soils. However, the chloride concentrations spiked to chloride highs of 1,720 mg/kg and 6,400 mg/kg at 6'-7', respectively. The chloride concentrations in these areas then declined with depth to below the RRAL at 9'-10' below surface. The area of Borehole #4 showed elevated chloride concentrations in the shallow soils that decreased to 363 mg/kg at 4'-5' before increasing to 7,340 mg/kg at 6'-7' below surface. The chloride concentrations then steadily declined with depth and showed a bottom hole concentration of 619 mg/kg at 19'-20' below surface.

On June 20, 2020, Tetra Tech personnel were onsite to collect horizontal samples near the lease road. A total of three (3) horizontal delineation samples were collected (North 1 Horizontal, North 2 Horizontal, and North 3 Horizontal ) to total depths of 0'-1' below surface. Soil samples were collected and submitted to the laboratory for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B, and chloride by EPA method 300.0. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix C. The results of the sampling are summarized in Table 1. The sample locations are shown on Figure 3.

Referring to Table 1, none of the samples collected showed benzene, total BTEX, or TPH concentrations above the laboratory reporting limits. Additionally, all of the horizontal delineation samples showed chloride concentrations below the RRAL, with concentrations <4.95 mg/kg, 5.48 mg/kg, and <4.99 mg/kg.

### **Work Plan**

Based on the laboratory results, COG proposes to remove the chloride impacted soils, as shown on Figure 4 and highlighted (green) on Table 1. Due to access issues and safety concerns, the proposed excavation will be performed to remove the impacted soil to the maximum extent practicable. The areas of borehole #1 will be excavated to approximately 1.0' below surface and borehole #2 will be excavated to approximately 3.0' below surface. The

**TETRA TECH**

area of boreholes #3, #4, and #5 will be excavated to a depth of 4.0' below surface and capped with a 20-mil liner to prevent further vertical migration of the deeper impacts.

Prior to the remediation, the areas of boreholes #3 and #5 did show chloride spikes at 6.0-7.0' below surface of 1,720 mg/kg and 6,400 m/kg, respectively. These areas will be re-sampled and evaluated to confirm the chloride spikes. In addition, the areas of boreholes #3 and #5 did not show a chloride impact to the soils from surface to approximately 3.0' below surface. The excavated material (0-3') will be segregated into approximately 50 cubic yard stockpiles and then sampled for evaluation. Based on the results, the material will be place back into the excavated areas. If the stockpiles are above the RRALs, the material will then be hauled to disposal.

Once completed, the excavated areas will then be backfilled with clean material to surface grade. All the excavated material will be transported offsite for proper disposal. COG estimates approximately 4,663 cubic yards will be excavated and will be implemented within ninety (90) days of the work plan being approved.

#### Sampling Plan

Five-point composite bottom and sidewall confirmation samples will be collected every 400-500 square feet to ensure proper removal of the impacted areas. The proposed excavation depths may not be reached due to wall cave-ins, pipelines, or safety concerns for onsite personnel. Also, impacted soil around oil and gas equipment, structures or lines may not be viable or practicable to be removed due to safety concerns for onsite personnel. As such, COG will excavate the impacted soils to the maximum extent possible.

#### **Conclusion**

Upon completion, a final report detailing the remediation activities will be submitted to the NMOCD. If you have any questions or comments concerning the assessment or the proposed remediation activities for this site, please call at (432) 682-4559.

Respectfully submitted,  
TETRA TECH

A handwritten signature in black ink, appearing to read 'Mike Carmona'.

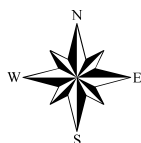
Mike Carmona  
Geologist

## Figures





 SITE LOCATION



0 10,416.5 20,833

Approximate Scale in Feet



Service Layer Credits: Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community

OVERVIEW MAP  
ROCKET FEDERAL #005  
Property Located at coordinates 32.064798°,-103.969330°  
EDDY COUNTY, NEW MEXICO



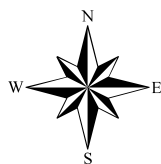
Project #: 212C-MD-001901  
Date: 01-09-2020  
Drawn By: MLM

FIGURE  
1





▲ SITE LOCATION



0 1,000 2,000  
Approximate Scale in Feet

TOPOGRAPHIC MAP  
ROCKET FEDERAL #005  
Property Located at coordinates 32.064798°,-103.969330°  
EDDY COUNTY, NEW MEXICO

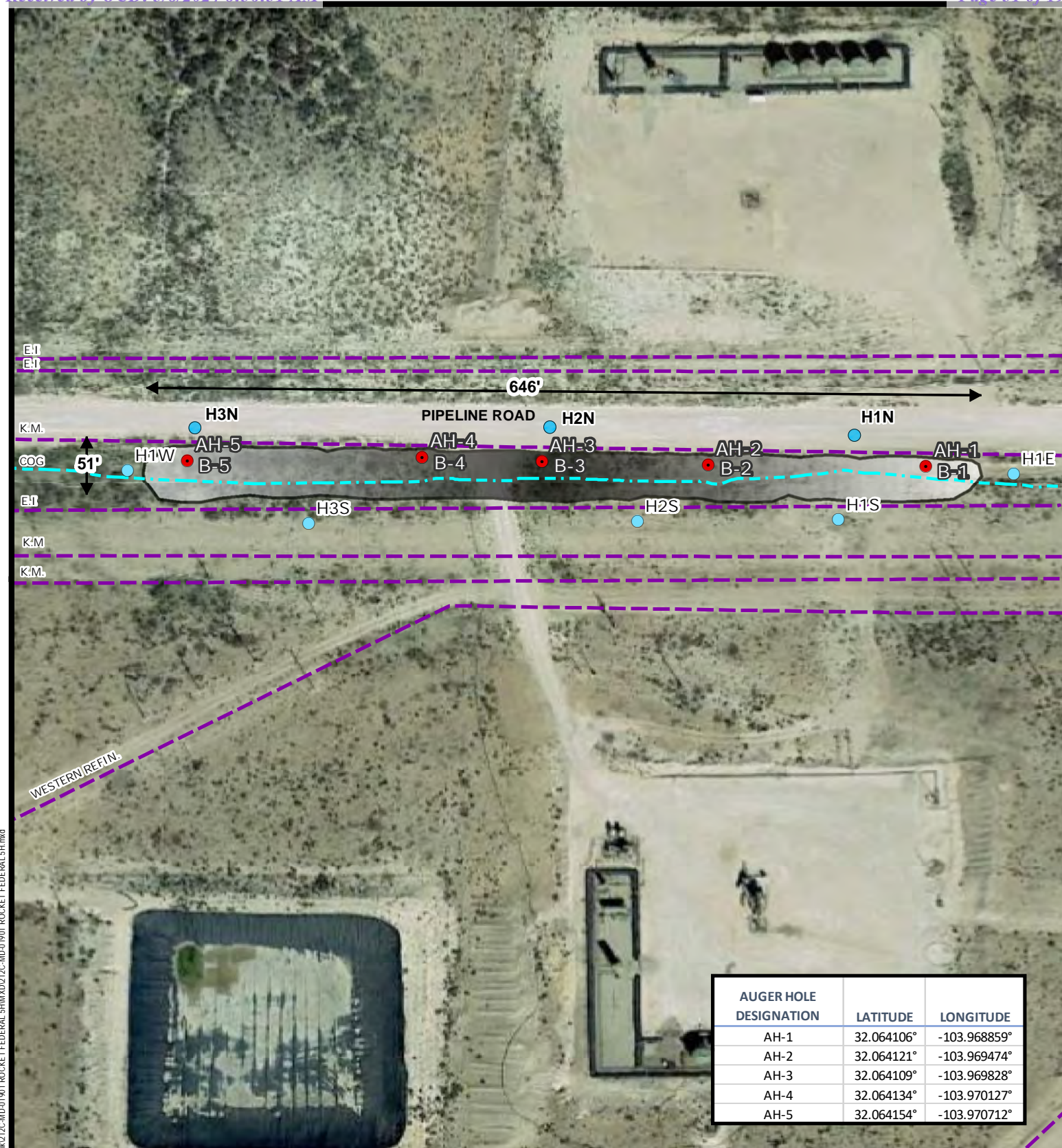


Project #: 212C-MD-001901  
Date: 01-09-2020  
Drawn By: MLM

FIGURE  
2

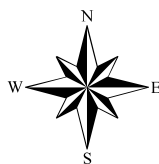
Service Layer Credits: Copyright:© 2013 National Geographic Society, I-cubed





| AUGER HOLE DESIGNATION | LATITUDE   | LONGITUDE    |
|------------------------|------------|--------------|
| AH-1                   | 32.064106° | -103.968859° |
| AH-2                   | 32.064121° | -103.969474° |
| AH-3                   | 32.064109° | -103.969828° |
| AH-4                   | 32.064134° | -103.970127° |
| AH-5                   | 32.064154° | -103.970712° |

- B- BORE HOLE
- AUGER HOLE SAMPLE POINTS
- HORIZONTAL SOIL SAMPLE LOCATIONS
- BURIED PIPELINE
- FLOWLINE
- AFFECTED SPILL AREA



0 60 120  
Approximate Scale in Feet

Source: "New Mexico". 32° 3'53.27"N, 103°58'9.59"W. Google Earth.  
February 2019. January 9, 2020.

#### SPILL ASSESSMENT MAP

ROCKET FEDERAL #005

Property Located at coordinates 32.064798°,-103.969330°  
EDDY COUNTY, NEW MEXICO



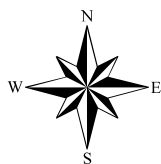
Project #: 212C-MD-001901  
Date: 10-06-2020  
Drawn By: MLM

FIGURE  
3





- AUGER HOLE SAMPLE POINTS
- BURIED PIPELINE
- FLOWLINE
- 1.0' PROPOSED EXCAVATION AREA
- 3.0' PROPOSED EXCAVATION AREA
- 4.0' PROPOSED EXCAVATION AREA w/ LINER



0 60 120  
Approximate Scale in Feet

PROPOSED EXCAVATION AREA & DEPTH MAP  
ROCKET FEDERAL #005  
Property Located at coordinates 32.064798°,-103.969330°  
EDDY COUNTY, NEW MEXICO



Project #: 212C-MD-001901  
Date: 02-12-2020  
Drawn By: MLM

FIGURE  
4

Source: "New Mexico". 32° 3'53.27"N, 103°58'9.59"W. Google Earth.  
February 2019, January 9, 2020.

## Tables

Table 1  
COG  
Rocket Fed Com #5H  
Eddy County, New Mexico

| Sample ID   | Sample Date | Sample Depth (ft) | BEB Sample Depth (ft) | Soil Status |         | TPH (mg/kg) |       |           |       |       | Benzene (mg/kg) | Toluene (mg/kg) | Ethlybenzene (mg/kg) | Xylene (mg/kg) | Total BTEX (mg/kg) | Chloride (mg/kg) |
|-------------|-------------|-------------------|-----------------------|-------------|---------|-------------|-------|-----------|-------|-------|-----------------|-----------------|----------------------|----------------|--------------------|------------------|
|             |             |                   |                       | In-Situ     | Removed | GRO         | DRO   | GRO + DRO | ORO   | Total |                 |                 |                      |                |                    |                  |
| AH-1        | 8/26/2019   | 0-1               | -                     | X           |         | <50.1       | <50.1 | <50.1     | <50.1 | <50.1 | <0.00200        | <0.00200        | <0.00200             | <0.00200       | <0.00200           | 10,300           |
| Borehole #1 | 10/17/2019  | 0-1               | -                     | X           |         | <50.2       | <50.2 | <50.2     | <50.2 | <50.2 | <0.00101        | <0.00101        | <0.00101             | <0.00101       | <0.00101           | 26.5             |
|             | "           | 2-3               | -                     | X           |         | -           | -     | -         | -     | -     | -               | -               | -                    | -              | -                  | <10.1            |
|             | "           | 4-5               | -                     | X           |         | -           | -     | -         | -     | -     | -               | -               | -                    | -              | -                  | 22.0             |
|             | "           | 6-7               | -                     | X           |         | -           | -     | -         | -     | -     | -               | -               | -                    | -              | -                  | 111              |
|             | "           | 9-10              | -                     | X           |         | -           | -     | -         | -     | -     | -               | -               | -                    | -              | -                  | 24.5             |
| AH-2        | 8/26/2019   | 0-1               | -                     | X           |         | <50.1       | <50.1 | <50.1     | <50.1 | <50.1 | <0.00199        | <0.00199        | <0.00199             | <0.00199       | <0.00199           | 14,800           |
| Borehole #2 | 10/17/2019  | 0-1               | -                     | X           |         | <50.0       | <50.0 | <50.0     | <50.0 | <50.0 | <0.000998       | <0.000998       | <0.000998            | <0.000998      | <0.000998          | 2,150            |
|             | "           | 2-3               | -                     | X           |         | -           | -     | -         | -     | -     | -               | -               | -                    | -              | -                  | 6,650            |
|             | "           | 4-5               | -                     | X           |         | -           | -     | -         | -     | -     | -               | -               | -                    | -              | -                  | 36.3             |
|             | "           | 6-7               | -                     | X           |         | -           | -     | -         | -     | -     | -               | -               | -                    | -              | -                  | 297              |
|             | "           | 9-10              | -                     | X           |         | -           | -     | -         | -     | -     | -               | -               | -                    | -              | -                  | 74.0             |
| AH-3        | 8/26/2019   | 0-1               | -                     | X           |         | <50.0       | <50.0 | <50.0     | <50.0 | <50.0 | <0.00200        | <0.00200        | <0.00200             | <0.00200       | <0.00200           | 7,600            |
| Borehole #3 | 10/17/2019  | 0-1               | -                     | X           |         | <49.9       | <49.9 | <49.9     | <49.9 | <49.9 | <0.00101        | <0.00101        | <0.00101             | <0.00101       | <0.00101           | 32.2             |
|             | "           | 2-3               | -                     | X           |         | -           | -     | -         | -     | -     | -               | -               | -                    | -              | -                  | 64.5             |
|             | "           | 4-5               | -                     | X           |         | -           | -     | -         | -     | -     | -               | -               | -                    | -              | -                  | 414              |
|             | "           | 6-7               | -                     | X           |         | -           | -     | -         | -     | -     | -               | -               | -                    | -              | -                  | 1,720            |
|             | "           | 9-10              | -                     | X           |         | -           | -     | -         | -     | -     | -               | -               | -                    | -              | -                  | 161              |
|             | "           | 14-15             | -                     | X           |         | -           | -     | -         | -     | -     | -               | -               | -                    | -              | -                  | 128              |
| AH-4        | 8/26/2019   | 0-1               | -                     | X           |         | <50.1       | <50.1 | <50.1     | <50.1 | <50.1 | <0.00200        | <0.00200        | <0.00200             | <0.00200       | <0.00200           | 12,400           |
| Borehole #4 | 10/17/2019  | 0-1               | -                     | X           |         | <49.8       | <49.8 | <49.8     | <49.8 | <49.8 | <0.000998       | <0.000998       | <0.000998            | <0.000998      | <0.000998          | 1,020            |
|             | "           | 2-3               | -                     | X           |         | -           | -     | -         | -     | -     | -               | -               | -                    | -              | -                  | 1,920            |
|             | "           | 4-5               | -                     | X           |         | -           | -     | -         | -     | -     | -               | -               | -                    | -              | -                  | 363              |
|             | "           | 6-7               | -                     | X           |         | -           | -     | -         | -     | -     | -               | -               | -                    | -              | -                  | 7,340            |
|             | "           | 9-10              | -                     | X           |         | -           | -     | -         | -     | -     | -               | -               | -                    | -              | -                  | 1,320            |
|             | "           | 14-15             | -                     | X           |         | -           | -     | -         | -     | -     | -               | -               | -                    | -              | -                  | 752              |
|             | "           | 19-20             | -                     | X           |         | -           | -     | -         | -     | -     | -               | -               | -                    | -              | -                  | 619              |
| AH-5        | 8/26/2019   | 0-1               | -                     | X           |         | <50.2       | <50.2 | <50.2     | <50.2 | <50.2 | <0.00199        | <0.00199        | <0.00199             | <0.00199       | <0.00199           | 5,380            |
| Borehole #5 | 10/17/2019  | 0-1               | -                     | X           |         | <50.3       | <50.3 | <50.3     | <50.3 | <50.3 | <0.00100        | <0.00100        | <0.00100             | <0.00100       | <0.00100           | 102              |
|             | "           | 2-3               | -                     | X           |         | -           | -     | -         | -     | -     | -               | -               | -                    | -              | -                  | 146              |
|             | "           | 4-5               | -                     | X           |         | -           | -     | -         | -     | -     | -               | -               | -                    | -              | -                  | 3,780            |
|             | "           | 6-7               | -                     | X           |         | -           | -     | -         | -     | -     | -               | -               | -                    | -              | -                  | 6,400            |
|             | "           | 9-10              | -                     | X           |         | -           | -     | -         | -     | -     | -               | -               | -                    | -              | -                  | 202              |
|             | "           | 14-15             | -                     | X           |         | -           | -     | -         | -     | -     | -               | -               | -                    | -              | -                  | 209              |

Table 1  
COG  
Rocket Fed Com #5H  
Eddy County, New Mexico

| Sample ID          | Sample Date | Sample Depth (ft) | BEB Sample Depth (ft) | Soil Status |         | TPH (mg/kg) |       |           |       |       | Benzene (mg/kg) | Toluene (mg/kg) | Ethlybenzene (mg/kg) | Xylene (mg/kg) | Total BTEX (mg/kg) | Chloride (mg/kg) |
|--------------------|-------------|-------------------|-----------------------|-------------|---------|-------------|-------|-----------|-------|-------|-----------------|-----------------|----------------------|----------------|--------------------|------------------|
|                    |             |                   |                       | In-Situ     | Removed | GRO         | DRO   | GRO + DRO | ORO   | Total |                 |                 |                      |                |                    |                  |
| East 1 Horizontal  | 8/26/2019   | 0-1               | -                     | X           |         | <50.1       | <50.1 | <50.1     | <50.1 | <50.1 | <0.00200        | <0.00200        | <0.00200             | <0.00200       | <0.00200           | 32.4             |
| West 1 Horizontal  | 8/26/2019   | 0-1               | -                     | X           |         | <50.0       | <50.0 | <50.0     | <50.0 | <50.0 | <0.00200        | <0.00200        | <0.00200             | <0.00200       | <0.00200           | 69.5             |
| South 1 Horizontal | 8/26/2019   | 0-1               | -                     | X           |         | <50.1       | <50.1 | <50.1     | <50.1 | <50.1 | <0.00199        | <0.00199        | <0.00199             | <0.00199       | <0.00199           | 15.4             |
| South 2 Horizontal | 8/26/2019   | 0-1               | -                     | X           |         | <50.2       | <50.2 | <50.2     | <50.2 | <50.2 | <0.00200        | <0.00200        | <0.00200             | <0.00200       | <0.00200           | 31.0             |
| South 3 Horizontal | 8/26/2019   | 0-1               | -                     | X           |         | <50.0       | <50.0 | <50.0     | <50.0 | <50.0 | <0.00200        | <0.00200        | <0.00200             | <0.00200       | <0.00200           | 16.5             |
| North 1 Horizontal | 7/20/2020   | 0-1               | -                     | X           |         | <49.9       | <49.9 | <49.9     | <49.9 | <49.9 | <0.00199        | <0.00199        | <0.00199             | <0.00199       | <0.00199           | <4.95            |
| North 2 Horizontal | 7/20/2020   | 0-1               | -                     | X           |         | <50.0       | <50.0 | <50.0     | <50.0 | <50.0 | <0.00200        | <0.00200        | <0.00200             | <0.00200       | <0.00200           | 5.48             |
| North 3 Horizontal | 7/20/2020   | 0-1               | -                     | X           |         | <49.8       | <49.8 | <49.8     | <49.8 | <49.8 | <0.00198        | <0.00198        | <0.00198             | <0.00198       | <0.00198           | <4.99            |

(-)

Not Analyzed

Liner

Prposed Excavation

## Photos



COG Operating LLC  
Rocket Fed Com #5H  
Eddy County, New Mexico



TETRA TECH



View West – Area of AH-1



View East – Area of AH-2



COG Operating LLC  
Rocket Fed Com #5H  
Eddy County, New Mexico



TETRA TECH



View East – Area of AH-3



View South – Area of AH-4

COG Operating LLC  
Rocket Fed Com #5H  
Eddy County, New Mexico



TETRA TECH



View West – Area of AH-5



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

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

State of New Mexico  
Energy Minerals and Natural  
Resources Department  
  
Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

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

|                |  |
|----------------|--|
| Incident ID    |  |
| District RP    |  |
| Facility ID    |  |
| Application ID |  |

Release Notification

Responsible Party

|                         |  |                              |                |
|-------------------------|--|------------------------------|----------------|
| Responsible Party       | COG Operating, LLC                             | OGRID                        | 229137         |
| Contact Name            | Jennifer Knowlton                              | Contact Telephone            | (575) 748-1570 |
| Contact email           | JKnowlton@concho.com                           | Incident # (assigned by OCD) |                |
| Contact mailing address | 600 West Illinois Avenue, Midland, Texas 79701 |                              |                |

Location of Release Source

Latitude 32.06408 Longitude -103.96908  
*(NAD 83 in decimal degrees to 5 decimal places)*

|                         |                          |                      |          |
|-------------------------|--------------------------|----------------------|----------|
| Site Name               | Rocket Federal Com #005H | Site Type            | Flowline |
| Date Release Discovered | July 10, 2019            | API# (if applicable) |          |

|             |         |          |       |        |
|-------------|---------|----------|-------|--------|
| Unit Letter | Section | Township | Range | County |
| B           | 10      | 26S      | 29E   | Eddy   |

Surface Owner: ☐ State ☒ Federal ☐ Tribal ☐ Private (Name: \_\_\_\_\_)

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

|  |  |   |
|--|--|---|
| <input type="checkbox"/> Crude Oil                 | Volume Released (bbls)   | Volume Recovered (bbls)   |
| <input checked="" type="checkbox"/> Produced Water | Volume Released (bbls) 320   | Volume Recovered (bbls) 300   |
|  | Is the concentration of dissolved chloride in the produced water >10,000 mg/l? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| <input type="checkbox"/> Condensate                | Volume Released (bbls)   | Volume Recovered (bbls)   |
| <input type="checkbox"/> Natural Gas               | Volume Released (Mcf)  | Volume Recovered (Mcf)  |
| <input type="checkbox"/> Other (describe)          | Volume/Weight Released (provide units)   | Volume/Weight Recovered (provide units)                             |

Cause of Release

The release was caused by a ruptured flowline due to damage. The flowline is being repaired. The release was in the pasture. A vacuum truck was dispatched to remove all freestanding fluids. Concho will evaluate the site to determine if we may commence remediation immediately or delineate any possible impact from the release and we will present a remediation work plan to the NMOCD for approval prior to any significant remediation activities.



|                |  |
|----------------|--|
| Incident ID    |  |
| District RP    |  |
| Facility ID    |  |
| Application ID |  |

|   |   |
|---|---|
| Was this a major release as defined by 19.15.29.7(A) NMAC?<br><br><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No   | If YES, for what reason(s) does the responsible party consider this a major release?<br><b>The volume released was greater than 25 barrels.</b> |
| If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?<br><b>Immediate notice was given by DeAnn Grant via e-mail July 10, 2019 at 4:57 pm to Mike Bratcher and Jim Amos.</b> |   |

### Initial Response

*The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury*

|  |  |
|--|--|
| <input checked="" type="checkbox"/> The source of the release has been stopped.<br><input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment.<br><input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.<br><input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.   |  |
| If all the actions described above have <u>not</u> been undertaken, explain why:<br><br><br><br><br><br><br><br><br><br>   |  |
| Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.  |  |
| I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. |  |
| Printed Name: <b>DeAnn Grant</b>   | Title: <b>HSE Administrative Assistant</b> |
| Signature:    | Date: <b>7/11/2019</b>                     |
| email: <b>agrانت@concho.com</b>  | Telephone: <b>(432) 253-4513</b>           |
| <b><u>OCD Only</u></b><br>Received by: _____ Date: _____   |  |

## \*\*\*\*\* LIQUID SPILLS - VOLUME CALCULATIONS \*\*\*\*\*

Location of spill: Rocket Federal Com #005H

Date of Spill: 10-Jul-2019

If the leak/spill is associated with production equipment, i.e. - wellhead, stuffing box,  
flowline, tank battery, production vessel, transfer pump, or storage tank place an "X" here: ☒

## Input Data:

If spill volumes from measurement, i.e. metering, tank volumes, etc. are known enter the volumes here: OIL: 0.0 BBL WATER: 0.0 BBL

If "known" spill volumes are given, input data for the following "Area Calculations" is optional. The above will override the calculated volumes.

| Total Area Calculations |                   |       |    |        |       |          | Standing Liquid Calculations |                      |    |       |  |                   |   |              |   |         |    |   |   |    |    |
|-------------------------|-------------------|-------|----|--------|-------|----------|------------------------------|----------------------|----|-------|--|-------------------|---|--------------|---|---------|----|---|---|----|----|
| Total Surface Area      |                   | width |    | length |       | wet soil |                              | Standing Liquid Area |    | width |  | length            |   | liquid depth |   | oil (%) |    |   |   |    |    |
|                         |                   |       |    |        |       | depth    | oil (%)                      |                      |    |       |  |                   |   |              |   |         |    |   |   |    |    |
|                         | Rectangle Area #1 | 49    | ft | X      | 1,175 | ft       | X                            | 0.25                 | in | 0%    |  | Rectangle Area #1 | 0 | ft           | X | 0       | ft | X | 0 | in | 0% |
|                         | Rectangle Area #2 | 0     | ft | X      | 0     | ft       | X                            | 0                    | in | 0%    |  | Rectangle Area #2 | 0 | ft           | X | 0       | ft | X | 0 | in | 0% |
|                         | Rectangle Area #3 | 0     | ft | X      | 0     | ft       | X                            | 0                    | in | 0%    |  | Rectangle Area #3 | 0 | ft           | X | 0       | ft | X | 0 | in | 0% |
|                         | Rectangle Area #4 | 0     | ft | X      | 0     | ft       | X                            | 0                    | in | 0%    |  | Rectangle Area #4 | 0 | ft           | X | 0       | ft | X | 0 | in | 0% |
|                         | Rectangle Area #5 | 0     | ft | X      | 0     | ft       | X                            | 0                    | in | 0%    |  | Rectangle Area #5 | 0 | ft           | X | 0       | ft | X | 0 | in | 0% |
|                         | Rectangle Area #6 | 0     | ft | X      | 0     | ft       | X                            | 0                    | in | 0%    |  | Rectangle Area #6 | 0 | ft           | X | 0       | ft | X | 0 | in | 0% |
|                         | Rectangle Area #7 | 0     | ft | X      | 0     | ft       | X                            | 0                    | in | 0%    |  | Rectangle Area #7 | 0 | ft           | X | 0       | ft | X | 0 | in | 0% |
|                         | Rectangle Area #8 | 0     | ft | X      | 0     | ft       | X                            | 0                    | in | 0%    |  | Rectangle Area #8 | 0 | ft           | X | 0       | ft | X | 0 | in | 0% |

okay

## production system leak - DAILY PRODUCTION DATA REQUIRED

Average Daily Production: Oil 0 BBL Water 0 BBL 0 Gas (MCFD)

Total Hydrocarbon Content in gas: 0% (percentage)

Did leak occur before the separator?: ☒ YES ☒ N/A (place an "X")

H2S Content in Produced Gas: 0 PPM

H2S Content in Tank Vapors: 0 PPM

Amount of Free Liquid Recovered: 0 BBL okay

Percentage of Oil in Free Liquid Recovered: 0% (percentage)

Liquid holding factor \*: 0.14 gal per gal

Use the following when the spill wets the grains of the soil.

\* Sand = 0.08 gallon (gal.) liquid per gal. volume of soil.

\* Gravelly (caliche) loam = 0.14 gal. liquid per gal. volume of soil.

\* Sandy clay loam soil = 0.14 gal liquid per gal. volume of soil.

\* Clay loam = 0.16 gal. liquid per gal. volume of soil.

Use the following when the liquid completely fills the pore space of the soil:

Occurs when the spill soaked soil is contained by barriers, natural (or not).

\* Clay loam = 0.20 gal. liquid per gal. volume of soil.

\* Gravelly (caliche) loam = 0.25 gal. liquid per gal. volume of soil.

\* Sandy loam = 0.5 gal. liquid per gal. volume of soil.

|   |  |  |               |  |  |  |  |  |                                   |  |  |                                 |  |  |               |  |  |                                       |  |  |  |  |  |
|---|--|--|---------------|--|--|--|--|--|-----------------------------------|--|--|---------------------------------|--|--|---------------|--|--|---------------------------------------|--|--|--|--|--|
| Total Solid/Liquid Volume: 57,575 sq. ft. |  |  | 1,199 cu. ft. |  |  | cu. ft.                                  |  |  | Total Free Liquid Volume: sq. ft. |  |  | cu. ft.                         |  |  | cu. ft.       |  |  |                                       |  |  |  |  |  |
| <u>Estimated Volumes Spilled</u>          |  |  |               |  |  | <u>Estimated Production Volumes Lost</u> |  |  |                                   |  |  | <u>Estimated Surface Damage</u> |  |  |               |  |  | <u>Estimated Weights, and Volumes</u> |  |  |  |  |  |
|   |  |  | H2O           |  |  | OIL                                      |  |  |                                   |  |  | H2O                             |  |  | OIL           |  |  |                                       |  |  |  |  |  |
| Liquid in Soil:                           |  |  | 29.9 BBL      |  |  | 0.0 BBL                                  |  |  | Estimated Production Spilled:     |  |  | 0.0 BBL                         |  |  | 0.0 BBL       |  |  | Saturated Soil =                      |  |  |  |  |  |
| Free Liquid:                              |  |  | 0.0 BBL       |  |  | 0.0 BBL                                  |  |  |                                   |  |  |                                 |  |  |               |  |  | Total Liquid =                        |  |  |  |  |  |
| Totals:                                   |  |  | 29.9 BBL      |  |  | 0.0 BBL                                  |  |  | Surface Area:                     |  |  | 57,575 sq. ft.                  |  |  |               |  |  | 1,199 cu. ft.                         |  |  |  |  |  |
| Total Liquid Spill Liquid:                |  |  | 29.9 BBL      |  |  | 0.00 BBL                                 |  |  | Surface Area:                     |  |  | 1.3217 acre                     |  |  |               |  |  | 1,256 gallon                          |  |  |  |  |  |
| <u>Recovered Volumes</u>                  |  |  |               |  |  |  |  |  |                                   |  |  |                                 |  |  |               |  |  |                                       |  |  |  |  |  |
| Estimated oil recovered:                  |  |  | BBL           |  |  | check - okay                             |  |  | Saturated Soil =                  |  |  | 134,342 lbs                     |  |  | 1,199 cu. ft. |  |  | 44 cu. yds.                           |  |  |  |  |  |
| Estimated water recovered:                |  |  | BBL           |  |  | check - okay                             |  |  | Total Liquid =                    |  |  | 30 BBL                          |  |  | 1,256 gallon  |  |  | 10,451 lbs                            |  |  |  |  |  |

## Air Emission from flowline leaks:

Volume of oil spill: - BBL  
Separator gas calculated: - MCF  
Separator gas released: - MCF  
Gas released from oil: - lb  
H2S released: - lb  
Total HC gas released: - lb  
Total HC gas released: - MCF

## Air Emission of Reporting Requirements:

New Mexico  
HC gas release reportable? NO  
H2S release reportable? NO  
Texas  
NO  
NO

|                |  |
|----------------|--|
| Incident ID    |  |
| District RP    |  |
| Facility ID    |  |
| Application ID |  |

## Site Assessment/Characterization

*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?   | >55' (ft bgs)   |
| Did this release impact groundwater or surface water?   | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?  | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?  | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?  | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?  | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?   | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 300 feet of a wetland?  | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release overlying a subsurface mine?   | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release overlying an unstable area such as karst geology?  | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| Are the lateral extents of the release within a 100-year floodplain?  | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?  | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

### **Characterization Report Checklist:** *Each of the following items must be included in the report.*

- ☒ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ☐ Field data
- ☒ Data table of soil contaminant concentration data
- ☒ Depth to water determination
- ☒ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- ☒ Boring or excavation logs
- ☒ Photographs including date and GIS information
- ☒ Topographic/Aerial maps
- ☒ Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.



State of New Mexico  
Oil Conservation Division

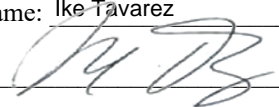
Page 4

|                |  |
|----------------|--|
| Incident ID    |  |
| District RP    |  |
| Facility ID    |  |
| Application ID |  |

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: Ike Tavaréz

Title: Sr HSE Supervisor

Signature: 

Date: 10/07/2020

email: itavarez@concho.com

Telephone: 432 701-8630

**OCD Only**

Received by: \_\_\_\_\_

Date: \_\_\_\_\_

|                |  |
|----------------|--|
| Incident ID    |  |
| District RP    |  |
| Facility ID    |  |
| Application ID |  |

## Remediation Plan

**Remediation Plan Checklist:** *Each of the following items must be included in the plan.*

- ☒ Detailed description of proposed remediation technique
- ☒ Scaled sitemap with GPS coordinates showing delineation points
- ☒ Estimated volume of material to be remediated
- ☒ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- ☒ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

**Deferral Requests Only:** *Each of the following items must be confirmed as part of any request for deferral of remediation.*

- ☐ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- ☐ Extents of contamination must be fully delineated.
- ☐ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: Ike Tavarez

Title: Sr HSE Supervisor

Signature: 

Date: 10/07/2020

email: itavarez@concho.com

Telephone: 432 701-8630

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature: \_\_\_\_\_

Date: \_\_\_\_\_



## Appendix C: Photographic Documentation

COP- Rocket Federal Com #5H  
2/28/2024

## Photographic Documentation

**Photograph No. 1**

**Date:**

5/30/2023

**Direction:**

West

**Description:**

View of impacted  
area.



**Photograph No. 2**

**Date:**

5/30/2023

**Direction:**

Southwest

**Description:**

View of impacted  
area.



COP- Rocket Federal Com #5H  
2/28/2024

## Photographic Documentation

**Photograph No. 3**

**Date:**

**6/14/2023**

**Direction:**

**East**

**Description:**

**View of excavation activities.**



**Photograph No. 4**

**Date:**

**6/14/2023**

**Direction:**

**West**

**Description:**

**View of excavation activities.**





COP- Rocket Federal Com #5H

2/28/2024

## Photographic Documentation

**Photograph No. 5**

**6/14/2023**

**Direction:**  
**Northwest**

**Description:**  
**View of liner**  
**installation.**



**Photograph No. 6**

**Date:**

**6/14/2023**

**Direction:**  
**West**

**Description:**  
**View of liner**  
**installation.**



COP- Rocket Federal Com #5H

2/28/2024

## Photographic Documentation

**Photograph No. 7**

**Date:**

**6/19/2023**

**Direction:**

**West**

**Description:**

**View of backfill activities.**



**Photograph No. 8**

**Date:**

**6/19/2023**

**Direction:**

**East**

**Description:**

**View of backfill activities.**







## Appendix D: Water Well Search



# 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):** 597312.46      **Northing (Y):** 3548006      **Radius:** 2000

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.

8/22/23 11:14 AM

WATER COLUMN/ AVERAGE  
DEPTH TO WATER

|  |  |                   |  |                          |  |                            |  |                        |  |                         |  |
|--|--|-------------------|--|--------------------------|--|----------------------------|--|------------------------|--|-------------------------|--|
| 212C-MD-01739  |  | <b>TETRA TECH</b> |  | <b>LOG OF BORING GDB</b> |  |                            |  | Page<br>1 of 1         |  |                         |  |
| Project Name: JR Horz Federal #2                         |  |                   |  |                          |  |                            |  |                        |  |                         |  |
| Borehole Location/GPS Coordinate: 32.063589, -103.972770 |  |                   |  |                          |  | Surface Elevation: 2989 ft |  |                        |  |                         |  |
| Borehole Number: GDB                                     |  |                   |  |                          |  | Borehole Diameter (in.):   |  | Date Started: 8/3/2020 |  | Date Finished: 8/3/2020 |  |

| DEPTH (ft)           | OPERATION TYPE | SAMPLE | CHLORIDE FIELD SCREENING (ppm) | VOC FIELD SCREENING (ppm) | SAMPLE RECOVERY (%) | MOISTURE CONTENT (%) | DRY DENSITY (pcf) | LIQUID LIMIT | PLASTICITY INDEX | MINUS NO. 200 (%) | GRAPHIC LOG | WATER LEVEL OBSERVATIONS  |         |  |
|----------------------|----------------|--------|--------------------------------|---------------------------|---------------------|----------------------|-------------------|--------------|------------------|-------------------|-------------|---|---------|--|
|                      |                |        |                                |                           |                     |                      |                   |              |                  |                   |             | While Drilling <input type="checkbox"/> DRY ft    Upon Completion of Drilling <input type="checkbox"/> DRY ft |         |  |
|                      |                |        |                                |                           |                     |                      |                   |              |                  |                   |             | Remarks:  |         |  |
| MATERIAL DESCRIPTION |                |        |                                |                           |                     |                      |                   |              |                  |                   |             | DEPTH (ft)  | REMARKS |  |
| 5                    |                |        |                                |                           |                     |                      |                   |              |                  |                   | 5           | -SM- CALICHE: White, stiff, dry, moderately cemented  | 5       |  |
| 10                   |                |        |                                |                           |                     |                      |                   |              |                  |                   | 20          | -SM- SAND: Light brown, medium dense to dense, dry, fine to medium grained, with occasional Caliche layers    | 20      |  |
| 15                   |                |        |                                |                           |                     |                      |                   |              |                  |                   | 45          | -SM- SAND: Brown, medium dense, dry, fine to medium grained, with occasional Caliche layers                   | 45      |  |
| 20                   |                |        |                                |                           |                     |                      |                   |              |                  |                   | 55          | -SM- CALICHE: White, dense, dry, moderately cemented, with occasional Sand pockets                            | 55      |  |
| 25                   |                |        |                                |                           |                     |                      |                   |              |                  |                   |             |   |         |  |
| 30                   |                |        |                                |                           |                     |                      |                   |              |                  |                   |             |   |         |  |
| 35                   |                |        |                                |                           |                     |                      |                   |              |                  |                   |             |   |         |  |
| 40                   |                |        |                                |                           |                     |                      |                   |              |                  |                   |             |   |         |  |
| 45                   |                |        |                                |                           |                     |                      |                   |              |                  |                   |             |   |         |  |
| 50                   |                |        |                                |                           |                     |                      |                   |              |                  |                   |             |   |         |  |
| 55                   |                |        |                                |                           |                     |                      |                   |              |                  |                   |             |   |         |  |

Bottom of borehole at 55.0 feet.

|  |  |  |  |  |
|--|--|--|--|--|
| <b>Sampler Types:</b><br><input type="checkbox"/> Split Spoon<br><input type="checkbox"/> Shelby<br><input type="checkbox"/> Bulk Sample<br><input type="checkbox"/> Grab Sample | <input type="checkbox"/> Acetate Liner<br><input type="checkbox"/> Vane Shear<br><input type="checkbox"/> Discrete Sample<br><input type="checkbox"/> Test Pit | <b>Operation Types:</b><br><input type="checkbox"/> Mud Rotary<br><input type="checkbox"/> Continuous Flight Auger<br><input type="checkbox"/> Wash Rotary | <input type="checkbox"/> Hand Auger<br><input type="checkbox"/> Air Rotary<br><input type="checkbox"/> Direct Push<br><input type="checkbox"/> Core Barrel | <b>Notes:</b><br>Surface elevation is an estimated value from Google Earth data. |
|--|--|--|--|--|

|                                |                                       |                                      |
|--------------------------------|---------------------------------------|--------------------------------------|
| <b>Logger:</b> Lee Scarborough | <b>Drilling Equipment:</b> Air Rotary | <b>Driller:</b> Scarborough Drilling |
|--------------------------------|---------------------------------------|--------------------------------------|





## Appendix E: Laboratory Analytical Data



Environment Testing

1

2

3

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12

13

14

# ANALYTICAL REPORT

## PREPARED FOR

Attn: Jared Stoffel  
TRC Solutions, Inc.  
10 Desta Drive  
Suite #130E  
Midland, Texas 79705  
Generated 6/5/2023 5:13:29 PM

## JOB DESCRIPTION

Rocket Fed Com #5H

## JOB NUMBER

890-4769-1

# 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  
6/5/2023 5:13:29 PM

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



Client: TRC Solutions, Inc.  
Project/Site: Rocket Fed Com #5H

Laboratory Job ID: 890-4769-1

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

# Table of Contents

Cover Page . . . . . 1

Table of Contents . . . . . 3

Definitions/Glossary . . . . . 4

Case Narrative . . . . . 6

Client Sample Results . . . . . 7

Surrogate Summary . . . . . 18

QC Sample Results . . . . . 20

QC Association Summary . . . . . 27

Lab Chronicle . . . . . 31

Certification Summary . . . . . 35

Method Summary . . . . . 36

Sample Summary . . . . . 37

Chain of Custody . . . . . 38

Receipt Checklists . . . . . 40

Definitions/Glossary

Client: TRC Solutions, Inc.  
Project/Site: Rocket Fed Com #5H

Job ID: 890-4769-1

Qualifiers

GC VOA

| Qualifier | Qualifier Description                                      |
|-----------|--|
| *-        | LCS and/or LCSD is outside acceptance limits, low biased.  |
| *+        | LCS and/or LCSD is outside acceptance limits, high biased. |
| *1        | LCS/LCSD RPD exceeds control limits.                       |
| F1        | MS and/or MSD recovery exceeds control limits.             |
| S1-       | Surrogate recovery exceeds control limits, low biased.     |
| S1+       | Surrogate recovery exceeds control limits, high biased.    |
| U         | Indicates the analyte was analyzed for but not detected.   |

GC Semi VOA

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

HPLC/IC

| Qualifier | Qualifier Description   |
|-----------|---|
| 4         | MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable. |
| F1        | MS and/or MSD recovery exceeds control limits.  |
| U         | Indicates the analyte was analyzed for but not detected.  |

Glossary

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

Eurofins Carlsbad

Definitions/Glossary

Client: TRC Solutions, Inc.  
Project/Site: Rocket Fed Com #5H

Job ID: 890-4769-1

Glossary (Continued)

| Abbreviation | These commonly used abbreviations may or may not be present in this report. |
|--------------|---|
| TNTC         | Too Numerous To Count   |

- 1
- 2
- 3
- 4
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- 12
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- 14



## Case Narrative

Client: TRC Solutions, Inc.  
Project/Site: Rocket Fed Com #5H

Job ID: 890-4769-1

**Job ID: 890-4769-1**

**Laboratory: Eurofins Carlsbad**

### Narrative

#### Job Narrative 890-4769-1

#### Receipt

The samples were received on 6/1/2023 4:32 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 2.2°C

#### Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: SW-01 (890-4769-1), SW-02 (890-4769-2), SW-03 (890-4769-3), SW-04 (890-4769-4), SW-05 (890-4769-5), SW-06 (890-4769-6), FL-01 @3' (890-4769-7), FL-02 @3' (890-4769-8), FL-03 @3' (890-4769-9), FL-04 @4' (890-4769-10), FL-05 @4' (890-4769-11), FL-06 @4' (890-4769-12) and FL-07 @4' (890-4769-13).

#### GC VOA

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-54717 recovered above the upper control limit for Benzene, Toluene and Ethylbenzene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: (CCV 880-54717/2).

Method 8021B: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for preparation batch 880-54723 and analytical batch 880-54717 recovered outside control limits for the following analytes: Benzene, Toluene, Ethylbenzene and o-Xylene. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-54723 and analytical batch 880-54717 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 8021B: Surrogate recovery for the following samples were outside control limits: (MB 880-54723/5-A), (890-4769-A-11-E MS) and (890-4769-A-11-F 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.

#### GC Semi VOA

Method 8015MOD\_NM: The surrogate recovery for the blank associated with preparation batch 880-54720 and analytical batch 880-54713 was outside the upper control limits.

Method 8015MOD\_NM: The method blank for preparation batch 880-54721 and analytical batch 880-54716 contained Diesel Range Organics (Over C10-C28) 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.

#### HPLC/IC

Method 300\_ORGFM\_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-54670 and analytical batch 880-54733 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: Rocket Fed Com #5H

Job ID: 890-4769-1

Client Sample ID: SW-01

Lab Sample ID: 890-4769-1

Date Collected: 06/01/23 10:00

Matrix: Solid

Date Received: 06/01/23 16:32

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

| Analyte             | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00198 | U         | 0.00198 |     | mg/Kg |   | 06/05/23 09:21 | 06/05/23 11:23 | 1       |
| Toluene             | <0.00198 | U         | 0.00198 |     | mg/Kg |   | 06/05/23 09:21 | 06/05/23 11:23 | 1       |
| Ethylbenzene        | <0.00198 | U         | 0.00198 |     | mg/Kg |   | 06/05/23 09:21 | 06/05/23 11:23 | 1       |
| m-Xylene & p-Xylene | <0.00396 | U         | 0.00396 |     | mg/Kg |   | 06/05/23 09:21 | 06/05/23 11:23 | 1       |
| o-Xylene            | <0.00198 | U         | 0.00198 |     | mg/Kg |   | 06/05/23 09:21 | 06/05/23 11:23 | 1       |
| Xylenes, Total      | <0.00396 | U         | 0.00396 |     | mg/Kg |   | 06/05/23 09:21 | 06/05/23 11:23 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 101       |           | 70 - 130 | 06/05/23 09:21 | 06/05/23 11:23 | 1       |
| 1,4-Difluorobenzene (Surr)  | 91        |           | 70 - 130 | 06/05/23 09:21 | 06/05/23 11:23 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00396 | U         | 0.00396 |     | mg/Kg |   |          | 06/05/23 16:57 | 1       |

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

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <49.9  | U         | 49.9 |     | mg/Kg |   |          | 06/05/23 16:26 | 1       |

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

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9  | U         | 49.9 |     | mg/Kg |   | 06/05/23 09:14 | 06/05/23 11:00 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9  | U         | 49.9 |     | mg/Kg |   | 06/05/23 09:14 | 06/05/23 11:00 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9  | U         | 49.9 |     | mg/Kg |   | 06/05/23 09:14 | 06/05/23 11:00 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 109       |           | 70 - 130 | 06/05/23 09:14 | 06/05/23 11:00 | 1       |
| o-Terphenyl    | 84        |           | 70 - 130 | 06/05/23 09:14 | 06/05/23 11:00 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 523    | F1        | 5.01 |     | mg/Kg |   |          | 06/05/23 11:39 | 1       |

Client Sample ID: SW-02

Lab Sample ID: 890-4769-2

Date Collected: 06/01/23 10:05

Matrix: Solid

Date Received: 06/01/23 16:32

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

| Analyte             | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00198 | U         | 0.00198 |     | mg/Kg |   | 06/05/23 09:21 | 06/05/23 11:43 | 1       |
| Toluene             | <0.00198 | U         | 0.00198 |     | mg/Kg |   | 06/05/23 09:21 | 06/05/23 11:43 | 1       |
| Ethylbenzene        | <0.00198 | U         | 0.00198 |     | mg/Kg |   | 06/05/23 09:21 | 06/05/23 11:43 | 1       |
| m-Xylene & p-Xylene | <0.00397 | U         | 0.00397 |     | mg/Kg |   | 06/05/23 09:21 | 06/05/23 11:43 | 1       |
| o-Xylene            | <0.00198 | U         | 0.00198 |     | mg/Kg |   | 06/05/23 09:21 | 06/05/23 11:43 | 1       |
| Xylenes, Total      | <0.00397 | U         | 0.00397 |     | mg/Kg |   | 06/05/23 09:21 | 06/05/23 11:43 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 96        |           | 70 - 130 | 06/05/23 09:21 | 06/05/23 11:43 | 1       |
| 1,4-Difluorobenzene (Surr)  | 86        |           | 70 - 130 | 06/05/23 09:21 | 06/05/23 11:43 | 1       |

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## Client Sample Results

Client: TRC Solutions, Inc.  
Project/Site: Rocket Fed Com #5H

Job ID: 890-4769-1

Client Sample ID: SW-02

Lab Sample ID: 890-4769-2

Date Collected: 06/01/23 10:05

Matrix: Solid

Date Received: 06/01/23 16:32

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00397 | U         | 0.00397 |     | mg/Kg |   |          | 06/05/23 16:57 | 1       |

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

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <49.9  | U         | 49.9 |     | mg/Kg |   |          | 06/05/23 16:26 | 1       |

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

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9  | U         | 49.9 |     | mg/Kg |   | 06/05/23 09:14 | 06/05/23 12:07 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9  | U         | 49.9 |     | mg/Kg |   | 06/05/23 09:14 | 06/05/23 12:07 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9  | U         | 49.9 |     | mg/Kg |   | 06/05/23 09:14 | 06/05/23 12:07 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 112       |           | 70 - 130 | 06/05/23 09:14 | 06/05/23 12:07 | 1       |
| o-Terphenyl    | 87        |           | 70 - 130 | 06/05/23 09:14 | 06/05/23 12:07 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 175    |           | 5.02 |     | mg/Kg |   |          | 06/05/23 11:55 | 1       |

Client Sample ID: SW-03

Lab Sample ID: 890-4769-3

Date Collected: 06/01/23 10:10

Matrix: Solid

Date Received: 06/01/23 16:32

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

| Analyte             | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00202 | U         | 0.00202 |     | mg/Kg |   | 06/05/23 09:21 | 06/05/23 12:04 | 1       |
| Toluene             | <0.00202 | U         | 0.00202 |     | mg/Kg |   | 06/05/23 09:21 | 06/05/23 12:04 | 1       |
| Ethylbenzene        | <0.00202 | U         | 0.00202 |     | mg/Kg |   | 06/05/23 09:21 | 06/05/23 12:04 | 1       |
| m-Xylene & p-Xylene | <0.00403 | U         | 0.00403 |     | mg/Kg |   | 06/05/23 09:21 | 06/05/23 12:04 | 1       |
| o-Xylene            | <0.00202 | U         | 0.00202 |     | mg/Kg |   | 06/05/23 09:21 | 06/05/23 12:04 | 1       |
| Xylenes, Total      | <0.00403 | U         | 0.00403 |     | mg/Kg |   | 06/05/23 09:21 | 06/05/23 12:04 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 99        |           | 70 - 130 | 06/05/23 09:21 | 06/05/23 12:04 | 1       |
| 1,4-Difluorobenzene (Surr)  | 84        |           | 70 - 130 | 06/05/23 09:21 | 06/05/23 12:04 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00403 | U         | 0.00403 |     | mg/Kg |   |          | 06/05/23 16:57 | 1       |

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

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <49.8  | U         | 49.8 |     | mg/Kg |   |          | 06/05/23 16:26 | 1       |

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

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.8  | U         | 49.8 |     | mg/Kg |   | 06/05/23 09:14 | 06/05/23 12:29 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.8  | U         | 49.8 |     | mg/Kg |   | 06/05/23 09:14 | 06/05/23 12:29 | 1       |

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## Client Sample Results

Client: TRC Solutions, Inc.  
Project/Site: Rocket Fed Com #5H

Job ID: 890-4769-1

Client Sample ID: SW-03

Date Collected: 06/01/23 10:10

Date Received: 06/01/23 16:32

Lab Sample ID: 890-4769-3

Matrix: Solid

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

| Analyte                           | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Oil Range Organics (Over C28-C36) | <49.8     | U         | 49.8     |     | mg/Kg |   | 06/05/23 09:14 | 06/05/23 12:29 | 1       |
| Surrogate                         | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                    | 123       |           | 70 - 130 |     |       |   | 06/05/23 09:14 | 06/05/23 12:29 | 1       |
| o-Terphenyl                       | 95        |           | 70 - 130 |     |       |   | 06/05/23 09:14 | 06/05/23 12:29 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 245    |           | 4.99 |     | mg/Kg |   |          | 06/05/23 12:00 | 1       |

Client Sample ID: SW-04

Date Collected: 06/01/23 10:20

Date Received: 06/01/23 16:32

Lab Sample ID: 890-4769-4

Matrix: Solid

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

| Analyte                     | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00201  | U         | 0.00201  |     | mg/Kg |   | 06/05/23 09:21 | 06/05/23 12:24 | 1       |
| Toluene                     | <0.00201  | U         | 0.00201  |     | mg/Kg |   | 06/05/23 09:21 | 06/05/23 12:24 | 1       |
| Ethylbenzene                | <0.00201  | U         | 0.00201  |     | mg/Kg |   | 06/05/23 09:21 | 06/05/23 12:24 | 1       |
| m-Xylene & p-Xylene         | <0.00402  | U         | 0.00402  |     | mg/Kg |   | 06/05/23 09:21 | 06/05/23 12:24 | 1       |
| o-Xylene                    | <0.00201  | U         | 0.00201  |     | mg/Kg |   | 06/05/23 09:21 | 06/05/23 12:24 | 1       |
| Xylenes, Total              | <0.00402  | U         | 0.00402  |     | mg/Kg |   | 06/05/23 09:21 | 06/05/23 12:24 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 106       |           | 70 - 130 |     |       |   | 06/05/23 09:21 | 06/05/23 12:24 | 1       |
| 1,4-Difluorobenzene (Surr)  | 80        |           | 70 - 130 |     |       |   | 06/05/23 09:21 | 06/05/23 12:24 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00402 | U         | 0.00402 |     | mg/Kg |   |          | 06/05/23 16:57 | 1       |

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

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <50.0  | U         | 50.0 |     | mg/Kg |   |          | 06/05/23 16:26 | 1       |

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

| Analyte                              | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0     | U         | 50.0     |     | mg/Kg |   | 06/05/23 09:14 | 06/05/23 12:51 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0     | U         | 50.0     |     | mg/Kg |   | 06/05/23 09:14 | 06/05/23 12:51 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0     | U         | 50.0     |     | mg/Kg |   | 06/05/23 09:14 | 06/05/23 12:51 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 113       |           | 70 - 130 |     |       |   | 06/05/23 09:14 | 06/05/23 12:51 | 1       |
| o-Terphenyl                          | 89        |           | 70 - 130 |     |       |   | 06/05/23 09:14 | 06/05/23 12:51 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 218    |           | 4.95 |     | mg/Kg |   |          | 06/05/23 12:05 | 1       |

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## Client Sample Results

Client: TRC Solutions, Inc.  
Project/Site: Rocket Fed Com #5H

Job ID: 890-4769-1

Client Sample ID: SW-05

Lab Sample ID: 890-4769-5

Date Collected: 06/01/23 10:25

Matrix: Solid

Date Received: 06/01/23 16:32

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

| Analyte             | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 06/05/23 09:21 | 06/05/23 12:45 | 1       |
| Toluene             | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 06/05/23 09:21 | 06/05/23 12:45 | 1       |
| Ethylbenzene        | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 06/05/23 09:21 | 06/05/23 12:45 | 1       |
| m-Xylene & p-Xylene | <0.00399 | U         | 0.00399 |     | mg/Kg |   | 06/05/23 09:21 | 06/05/23 12:45 | 1       |
| o-Xylene            | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 06/05/23 09:21 | 06/05/23 12:45 | 1       |
| Xylenes, Total      | <0.00399 | U         | 0.00399 |     | mg/Kg |   | 06/05/23 09:21 | 06/05/23 12:45 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 102       |           | 70 - 130 | 06/05/23 09:21 | 06/05/23 12:45 | 1       |
| 1,4-Difluorobenzene (Surr)  | 83        |           | 70 - 130 | 06/05/23 09:21 | 06/05/23 12:45 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00399 | U         | 0.00399 |     | mg/Kg |   |          | 06/05/23 16:57 | 1       |

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

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <50.0  | U         | 50.0 |     | mg/Kg |   |          | 06/05/23 16:26 | 1       |

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

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0  | U         | 50.0 |     | mg/Kg |   | 06/05/23 09:14 | 06/05/23 13:13 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0  | U         | 50.0 |     | mg/Kg |   | 06/05/23 09:14 | 06/05/23 13:13 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0  | U         | 50.0 |     | mg/Kg |   | 06/05/23 09:14 | 06/05/23 13:13 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 122       |           | 70 - 130 | 06/05/23 09:14 | 06/05/23 13:13 | 1       |
| o-Terphenyl    | 95        |           | 70 - 130 | 06/05/23 09:14 | 06/05/23 13:13 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 212    |           | 4.98 |     | mg/Kg |   |          | 06/05/23 12:11 | 1       |

Client Sample ID: SW-06

Lab Sample ID: 890-4769-6

Date Collected: 06/01/23 10:30

Matrix: Solid

Date Received: 06/01/23 16:32

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

| Analyte             | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 06/05/23 09:21 | 06/05/23 13:05 | 1       |
| Toluene             | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 06/05/23 09:21 | 06/05/23 13:05 | 1       |
| Ethylbenzene        | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 06/05/23 09:21 | 06/05/23 13:05 | 1       |
| m-Xylene & p-Xylene | <0.00400 | U         | 0.00400 |     | mg/Kg |   | 06/05/23 09:21 | 06/05/23 13:05 | 1       |
| o-Xylene            | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 06/05/23 09:21 | 06/05/23 13:05 | 1       |
| Xylenes, Total      | <0.00400 | U         | 0.00400 |     | mg/Kg |   | 06/05/23 09:21 | 06/05/23 13:05 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 101       |           | 70 - 130 | 06/05/23 09:21 | 06/05/23 13:05 | 1       |
| 1,4-Difluorobenzene (Surr)  | 86        |           | 70 - 130 | 06/05/23 09:21 | 06/05/23 13:05 | 1       |

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## Client Sample Results

Client: TRC Solutions, Inc.  
Project/Site: Rocket Fed Com #5H

Job ID: 890-4769-1

Client Sample ID: SW-06

Lab Sample ID: 890-4769-6

Date Collected: 06/01/23 10:30

Matrix: Solid

Date Received: 06/01/23 16:32

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00400 | U         | 0.00400 |     | mg/Kg |   |          | 06/05/23 16:57 | 1       |

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

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <49.8  | U         | 49.8 |     | mg/Kg |   |          | 06/05/23 16:26 | 1       |

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

| Analyte                              | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.8     | U         | 49.8     |     | mg/Kg |   | 06/05/23 09:14 | 06/05/23 13:35 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.8     | U         | 49.8     |     | mg/Kg |   | 06/05/23 09:14 | 06/05/23 13:35 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.8     | U         | 49.8     |     | mg/Kg |   | 06/05/23 09:14 | 06/05/23 13:35 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 114       |           | 70 - 130 |     |       |   | 06/05/23 09:14 | 06/05/23 13:35 | 1       |
| o-Terphenyl                          | 88        |           | 70 - 130 |     |       |   | 06/05/23 09:14 | 06/05/23 13:35 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 209    |           | 4.95 |     | mg/Kg |   |          | 06/05/23 12:27 | 1       |

Client Sample ID: FL-01@3'

Lab Sample ID: 890-4769-7

Date Collected: 06/01/23 11:00

Matrix: Solid

Date Received: 06/01/23 16:32

Sample Depth: 3

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

| Analyte                     | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00198  | U         | 0.00198  |     | mg/Kg |   | 06/05/23 09:21 | 06/05/23 13:26 | 1       |
| Toluene                     | <0.00198  | U         | 0.00198  |     | mg/Kg |   | 06/05/23 09:21 | 06/05/23 13:26 | 1       |
| Ethylbenzene                | <0.00198  | U         | 0.00198  |     | mg/Kg |   | 06/05/23 09:21 | 06/05/23 13:26 | 1       |
| m-Xylene & p-Xylene         | <0.00396  | U         | 0.00396  |     | mg/Kg |   | 06/05/23 09:21 | 06/05/23 13:26 | 1       |
| o-Xylene                    | <0.00198  | U         | 0.00198  |     | mg/Kg |   | 06/05/23 09:21 | 06/05/23 13:26 | 1       |
| Xylenes, Total              | <0.00396  | U         | 0.00396  |     | mg/Kg |   | 06/05/23 09:21 | 06/05/23 13:26 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 99        |           | 70 - 130 |     |       |   | 06/05/23 09:21 | 06/05/23 13:26 | 1       |
| 1,4-Difluorobenzene (Surr)  | 73        |           | 70 - 130 |     |       |   | 06/05/23 09:21 | 06/05/23 13:26 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00396 | U         | 0.00396 |     | mg/Kg |   |          | 06/05/23 16:57 | 1       |

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

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <49.9  | U         | 49.9 |     | mg/Kg |   |          | 06/05/23 16:26 | 1       |

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

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9  | U         | 49.9 |     | mg/Kg |   | 06/05/23 09:14 | 06/05/23 13:57 | 1       |

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## Client Sample Results

Client: TRC Solutions, Inc.  
Project/Site: Rocket Fed Com #5H

Job ID: 890-4769-1

Client Sample ID: FL-01@3'

Lab Sample ID: 890-4769-7

Date Collected: 06/01/23 11:00

Matrix: Solid

Date Received: 06/01/23 16:32

Sample Depth: 3

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

| Analyte                              | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Diesel Range Organics (Over C10-C28) | <49.9     | U         | 49.9     |     | mg/Kg |   | 06/05/23 09:14 | 06/05/23 13:57 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9     | U         | 49.9     |     | mg/Kg |   | 06/05/23 09:14 | 06/05/23 13:57 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 119       |           | 70 - 130 |     |       |   | 06/05/23 09:14 | 06/05/23 13:57 | 1       |
| o-Terphenyl                          | 92        |           | 70 - 130 |     |       |   | 06/05/23 09:14 | 06/05/23 13:57 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 419    |           | 4.97 |     | mg/Kg |   |          | 06/05/23 12:32 | 1       |

Client Sample ID: FL-02 @3'

Lab Sample ID: 890-4769-8

Date Collected: 06/01/23 11:10

Matrix: Solid

Date Received: 06/01/23 16:32

Sample Depth: 3

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

| Analyte                     | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00201  | U         | 0.00201  |     | mg/Kg |   | 06/05/23 09:21 | 06/05/23 13:46 | 1       |
| Toluene                     | <0.00201  | U         | 0.00201  |     | mg/Kg |   | 06/05/23 09:21 | 06/05/23 13:46 | 1       |
| Ethylbenzene                | <0.00201  | U         | 0.00201  |     | mg/Kg |   | 06/05/23 09:21 | 06/05/23 13:46 | 1       |
| m-Xylene & p-Xylene         | <0.00402  | U         | 0.00402  |     | mg/Kg |   | 06/05/23 09:21 | 06/05/23 13:46 | 1       |
| o-Xylene                    | <0.00201  | U         | 0.00201  |     | mg/Kg |   | 06/05/23 09:21 | 06/05/23 13:46 | 1       |
| Xylenes, Total              | <0.00402  | U         | 0.00402  |     | mg/Kg |   | 06/05/23 09:21 | 06/05/23 13:46 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 97        |           | 70 - 130 |     |       |   | 06/05/23 09:21 | 06/05/23 13:46 | 1       |
| 1,4-Difluorobenzene (Surr)  | 82        |           | 70 - 130 |     |       |   | 06/05/23 09:21 | 06/05/23 13:46 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00402 | U         | 0.00402 |     | mg/Kg |   |          | 06/05/23 16:57 | 1       |

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

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <49.9  | U         | 49.9 |     | mg/Kg |   |          | 06/05/23 16:57 | 1       |

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

| Analyte                              | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9     | U         | 49.9     |     | mg/Kg |   | 06/05/23 09:17 | 06/05/23 12:07 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9     | U         | 49.9     |     | mg/Kg |   | 06/05/23 09:17 | 06/05/23 12:07 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9     | U         | 49.9     |     | mg/Kg |   | 06/05/23 09:17 | 06/05/23 12:07 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 118       |           | 70 - 130 |     |       |   | 06/05/23 09:17 | 06/05/23 12:07 | 1       |
| o-Terphenyl                          | 122       |           | 70 - 130 |     |       |   | 06/05/23 09:17 | 06/05/23 12:07 | 1       |

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## Client Sample Results

Client: TRC Solutions, Inc.  
Project/Site: Rocket Fed Com #5H

Job ID: 890-4769-1

Client Sample ID: FL-02 @3'

Lab Sample ID: 890-4769-8

Date Collected: 06/01/23 11:10

Matrix: Solid

Date Received: 06/01/23 16:32

Sample Depth: 3

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 152    |           | 5.04 |     | mg/Kg |   |          | 06/05/23 12:37 | 1       |

Client Sample ID: FL-03 @3'

Lab Sample ID: 890-4769-9

Date Collected: 06/01/23 11:20

Matrix: Solid

Date Received: 06/01/23 16:32

Sample Depth: 3

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

| Analyte                     | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00202  | U         | 0.00202  |     | mg/Kg |   | 06/05/23 09:21 | 06/05/23 14:07 | 1       |
| Toluene                     | <0.00202  | U         | 0.00202  |     | mg/Kg |   | 06/05/23 09:21 | 06/05/23 14:07 | 1       |
| Ethylbenzene                | <0.00202  | U         | 0.00202  |     | mg/Kg |   | 06/05/23 09:21 | 06/05/23 14:07 | 1       |
| m-Xylene & p-Xylene         | <0.00404  | U         | 0.00404  |     | mg/Kg |   | 06/05/23 09:21 | 06/05/23 14:07 | 1       |
| o-Xylene                    | <0.00202  | U         | 0.00202  |     | mg/Kg |   | 06/05/23 09:21 | 06/05/23 14:07 | 1       |
| Xylenes, Total              | <0.00404  | U         | 0.00404  |     | mg/Kg |   | 06/05/23 09:21 | 06/05/23 14:07 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 98        |           | 70 - 130 |     |       |   | 06/05/23 09:21 | 06/05/23 14:07 | 1       |
| 1,4-Difluorobenzene (Surr)  | 79        |           | 70 - 130 |     |       |   | 06/05/23 09:21 | 06/05/23 14:07 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00404 | U         | 0.00404 |     | mg/Kg |   |          | 06/05/23 16:57 | 1       |

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

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <50.0  | U         | 50.0 |     | mg/Kg |   |          | 06/05/23 16:57 | 1       |

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

| Analyte                              | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0     | U         | 50.0     |     | mg/Kg |   | 06/05/23 09:17 | 06/05/23 12:29 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0     | U         | 50.0     |     | mg/Kg |   | 06/05/23 09:17 | 06/05/23 12:29 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0     | U         | 50.0     |     | mg/Kg |   | 06/05/23 09:17 | 06/05/23 12:29 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 111       |           | 70 - 130 |     |       |   | 06/05/23 09:17 | 06/05/23 12:29 | 1       |
| o-Terphenyl                          | 110       |           | 70 - 130 |     |       |   | 06/05/23 09:17 | 06/05/23 12:29 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 261    |           | 4.97 |     | mg/Kg |   |          | 06/05/23 12:43 | 1       |

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## Client Sample Results

Client: TRC Solutions, Inc.  
Project/Site: Rocket Fed Com #5H

Job ID: 890-4769-1

Client Sample ID: FL-04 @4'

Lab Sample ID: 890-4769-10

Date Collected: 06/01/23 11:30

Matrix: Solid

Date Received: 06/01/23 16:32

Sample Depth: 4

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

| Analyte             | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 06/05/23 09:21 | 06/05/23 14:27 | 1       |
| Toluene             | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 06/05/23 09:21 | 06/05/23 14:27 | 1       |
| Ethylbenzene        | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 06/05/23 09:21 | 06/05/23 14:27 | 1       |
| m-Xylene & p-Xylene | <0.00401 | U         | 0.00401 |     | mg/Kg |   | 06/05/23 09:21 | 06/05/23 14:27 | 1       |
| o-Xylene            | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 06/05/23 09:21 | 06/05/23 14:27 | 1       |
| Xylenes, Total      | <0.00401 | U         | 0.00401 |     | mg/Kg |   | 06/05/23 09:21 | 06/05/23 14:27 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 102       |           | 70 - 130 | 06/05/23 09:21 | 06/05/23 14:27 | 1       |
| 1,4-Difluorobenzene (Surr)  | 79        |           | 70 - 130 | 06/05/23 09:21 | 06/05/23 14:27 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00401 | U         | 0.00401 |     | mg/Kg |   |          | 06/05/23 16:57 | 1       |

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

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <50.0  | U         | 50.0 |     | mg/Kg |   |          | 06/05/23 16:57 | 1       |

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

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0  | U         | 50.0 |     | mg/Kg |   | 06/05/23 09:17 | 06/05/23 12:51 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0  | U         | 50.0 |     | mg/Kg |   | 06/05/23 09:17 | 06/05/23 12:51 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0  | U         | 50.0 |     | mg/Kg |   | 06/05/23 09:17 | 06/05/23 12:51 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 117       |           | 70 - 130 | 06/05/23 09:17 | 06/05/23 12:51 | 1       |
| o-Terphenyl    | 121       |           | 70 - 130 | 06/05/23 09:17 | 06/05/23 12:51 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 1000   |           | 4.99 |     | mg/Kg |   |          | 06/05/23 12:48 | 1       |

Client Sample ID: FL-05 @4'

Lab Sample ID: 890-4769-11

Date Collected: 06/01/23 11:40

Matrix: Solid

Date Received: 06/01/23 16:32

Sample Depth: 4

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

| Analyte             | Result   | Qualifier  | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|------------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00199 | U *+ F1    | 0.00199 |     | mg/Kg |   | 06/05/23 09:33 | 06/05/23 12:01 | 1       |
| Toluene             | <0.00199 | U *+ F1    | 0.00199 |     | mg/Kg |   | 06/05/23 09:33 | 06/05/23 12:01 | 1       |
| Ethylbenzene        | <0.00199 | U *+ F1    | 0.00199 |     | mg/Kg |   | 06/05/23 09:33 | 06/05/23 12:01 | 1       |
| m-Xylene & p-Xylene | <0.00398 | U F1       | 0.00398 |     | mg/Kg |   | 06/05/23 09:33 | 06/05/23 12:01 | 1       |
| o-Xylene            | <0.00199 | U *- *1 F1 | 0.00199 |     | mg/Kg |   | 06/05/23 09:33 | 06/05/23 12:01 | 1       |
| Xylenes, Total      | <0.00398 | U F1       | 0.00398 |     | mg/Kg |   | 06/05/23 09:33 | 06/05/23 12:01 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 124       |           | 70 - 130 | 06/05/23 09:33 | 06/05/23 12:01 | 1       |

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## Client Sample Results

Client: TRC Solutions, Inc.  
Project/Site: Rocket Fed Com #5H

Job ID: 890-4769-1

Client Sample ID: FL-05 @4'

Lab Sample ID: 890-4769-11

Date Collected: 06/01/23 11:40

Matrix: Solid

Date Received: 06/01/23 16:32

Sample Depth: 4

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

| Surrogate                  | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1,4-Difluorobenzene (Surr) | 90        |           | 70 - 130 | 06/05/23 09:33 | 06/05/23 12:01 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00398 | U         | 0.00398 |     | mg/Kg |   |          | 06/05/23 17:02 | 1       |

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

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <49.9  | U         | 49.9 |     | mg/Kg |   |          | 06/05/23 16:57 | 1       |

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

| Analyte                              | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9     | U         | 49.9     |     | mg/Kg |   | 06/05/23 09:17 | 06/05/23 13:13 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9     | U         | 49.9     |     | mg/Kg |   | 06/05/23 09:17 | 06/05/23 13:13 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9     | U         | 49.9     |     | mg/Kg |   | 06/05/23 09:17 | 06/05/23 13:13 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 107       |           | 70 - 130 |     |       |   | 06/05/23 09:17 | 06/05/23 13:13 | 1       |
| o-Terphenyl                          | 107       |           | 70 - 130 |     |       |   | 06/05/23 09:17 | 06/05/23 13:13 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 1110   |           | 5.00 |     | mg/Kg |   |          | 06/05/23 12:54 | 1       |

Client Sample ID: FL-06 @4'

Lab Sample ID: 890-4769-12

Date Collected: 06/01/23 11:50

Matrix: Solid

Date Received: 06/01/23 16:32

Sample Depth: 4

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

| Analyte             | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00198 | U **      | 0.00198 |     | mg/Kg |   | 06/05/23 09:33 | 06/05/23 12:26 | 1       |
| Toluene             | <0.00198 | U **      | 0.00198 |     | mg/Kg |   | 06/05/23 09:33 | 06/05/23 12:26 | 1       |
| Ethylbenzene        | <0.00198 | U **      | 0.00198 |     | mg/Kg |   | 06/05/23 09:33 | 06/05/23 12:26 | 1       |
| m-Xylene & p-Xylene | <0.00396 | U         | 0.00396 |     | mg/Kg |   | 06/05/23 09:33 | 06/05/23 12:26 | 1       |
| o-Xylene            | <0.00198 | U * - *1  | 0.00198 |     | mg/Kg |   | 06/05/23 09:33 | 06/05/23 12:26 | 1       |
| Xylenes, Total      | <0.00396 | U         | 0.00396 |     | mg/Kg |   | 06/05/23 09:33 | 06/05/23 12:26 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 124       |           | 70 - 130 | 06/05/23 09:33 | 06/05/23 12:26 | 1       |
| 1,4-Difluorobenzene (Surr)  | 98        |           | 70 - 130 | 06/05/23 09:33 | 06/05/23 12:26 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00396 | U         | 0.00396 |     | mg/Kg |   |          | 06/05/23 17:02 | 1       |

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

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <49.8  | U         | 49.8 |     | mg/Kg |   |          | 06/05/23 16:57 | 1       |

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## Client Sample Results

Client: TRC Solutions, Inc.  
Project/Site: Rocket Fed Com #5H

Job ID: 890-4769-1

Client Sample ID: FL-06 @4'

Lab Sample ID: 890-4769-12

Date Collected: 06/01/23 11:50

Matrix: Solid

Date Received: 06/01/23 16:32

Sample Depth: 4

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

| Analyte                              | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.8     | U         | 49.8     |     | mg/Kg |   | 06/05/23 09:17 | 06/05/23 13:35 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.8     | U         | 49.8     |     | mg/Kg |   | 06/05/23 09:17 | 06/05/23 13:35 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.8     | U         | 49.8     |     | mg/Kg |   | 06/05/23 09:17 | 06/05/23 13:35 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 106       |           | 70 - 130 |     |       |   | 06/05/23 09:17 | 06/05/23 13:35 | 1       |
| o-Terphenyl                          | 106       |           | 70 - 130 |     |       |   | 06/05/23 09:17 | 06/05/23 13:35 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 591    |           | 4.99 |     | mg/Kg |   |          | 06/05/23 13:10 | 1       |

Client Sample ID: FL-07 @4'

Lab Sample ID: 890-4769-13

Date Collected: 06/01/23 12:00

Matrix: Solid

Date Received: 06/01/23 16:32

Sample Depth: 4

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

| Analyte                     | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00201  | U *       | 0.00201  |     | mg/Kg |   | 06/05/23 09:33 | 06/05/23 12:53 | 1       |
| Toluene                     | <0.00201  | U *       | 0.00201  |     | mg/Kg |   | 06/05/23 09:33 | 06/05/23 12:53 | 1       |
| Ethylbenzene                | <0.00201  | U *       | 0.00201  |     | mg/Kg |   | 06/05/23 09:33 | 06/05/23 12:53 | 1       |
| m-Xylene & p-Xylene         | <0.00402  | U         | 0.00402  |     | mg/Kg |   | 06/05/23 09:33 | 06/05/23 12:53 | 1       |
| o-Xylene                    | <0.00201  | U * - *1  | 0.00201  |     | mg/Kg |   | 06/05/23 09:33 | 06/05/23 12:53 | 1       |
| Xylenes, Total              | <0.00402  | U         | 0.00402  |     | mg/Kg |   | 06/05/23 09:33 | 06/05/23 12:53 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 114       |           | 70 - 130 |     |       |   | 06/05/23 09:33 | 06/05/23 12:53 | 1       |
| 1,4-Difluorobenzene (Surr)  | 88        |           | 70 - 130 |     |       |   | 06/05/23 09:33 | 06/05/23 12:53 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00402 | U         | 0.00402 |     | mg/Kg |   |          | 06/05/23 17:02 | 1       |

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

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <49.9  | U         | 49.9 |     | mg/Kg |   |          | 06/05/23 16:57 | 1       |

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

| Analyte                              | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9     | U         | 49.9     |     | mg/Kg |   | 06/05/23 09:17 | 06/05/23 13:57 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9     | U         | 49.9     |     | mg/Kg |   | 06/05/23 09:17 | 06/05/23 13:57 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9     | U         | 49.9     |     | mg/Kg |   | 06/05/23 09:17 | 06/05/23 13:57 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 107       |           | 70 - 130 |     |       |   | 06/05/23 09:17 | 06/05/23 13:57 | 1       |
| o-Terphenyl                          | 107       |           | 70 - 130 |     |       |   | 06/05/23 09:17 | 06/05/23 13:57 | 1       |

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Client Sample Results

Client: TRC Solutions, Inc.  
Project/Site: Rocket Fed Com #5H

Job ID: 890-4769-1

**Client Sample ID: FL-07 @4'**  
**Date Collected: 06/01/23 12:00**  
**Date Received: 06/01/23 16:32**  
**Sample Depth: 4**

**Lab Sample ID: 890-4769-13**  
**Matrix: Solid**

| Method: EPA 300.0 - Anions, Ion Chromatography - Soluble |        |           |      |     |       |   |          |                |         |
|--|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
| Chloride   | 1040   |           | 4.95 |     | mg/Kg |   |          | 06/05/23 13:15 | 1       |

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

## Surrogate Summary

Client: TRC Solutions, Inc.  
Project/Site: Rocket Fed Com #5H

Job ID: 890-4769-1

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

Matrix: Solid

Prep Type: Total/NA

| Lab Sample ID                     | Client Sample ID       | Percent Surrogate Recovery (Acceptance Limits) |                   |
|-----------------------------------|------------------------|--|-------------------|
|                                   |                        | BFB1<br>(70-130)                               | DFBZ1<br>(70-130) |
| 890-4769-1                        | SW-01                  | 101  | 91                |
| 890-4769-1 MS                     | SW-01                  | 121  | 108               |
| 890-4769-1 MSD                    | SW-01                  | 106  | 106               |
| 890-4769-2                        | SW-02                  | 96   | 86                |
| 890-4769-3                        | SW-03                  | 99   | 84                |
| 890-4769-4                        | SW-04                  | 106  | 80                |
| 890-4769-5                        | SW-05                  | 102  | 83                |
| 890-4769-6                        | SW-06                  | 101  | 86                |
| 890-4769-7                        | FL-01@3'               | 99   | 73                |
| 890-4769-8                        | FL-02 @3'              | 97   | 82                |
| 890-4769-9                        | FL-03 @3'              | 98   | 79                |
| 890-4769-10                       | FL-04 @4'              | 102  | 79                |
| 890-4769-11                       | FL-05 @4'              | 124  | 90                |
| 890-4769-11 MS                    | FL-05 @4'              | 132 S1+  | 104               |
| 890-4769-11 MSD                   | FL-05 @4'              | 138 S1+  | 101               |
| 890-4769-12                       | FL-06 @4'              | 124  | 98                |
| 890-4769-13                       | FL-07 @4'              | 114  | 88                |
| LCS 880-54722/1-A                 | Lab Control Sample     | 102  | 111               |
| LCS 880-54723/1-A                 | Lab Control Sample     | 114  | 104               |
| LCSD 880-54722/2-A                | Lab Control Sample Dup | 112  | 111               |
| LCSD 880-54723/2-A                | Lab Control Sample Dup | 119  | 100               |
| MB 880-54722/5-A                  | Method Blank           | 73   | 101               |
| MB 880-54723/5-A                  | Method Blank           | 69 S1-   | 89                |
| <b>Surrogate Legend</b>           |                        |  |                   |
| BFB = 4-Bromofluorobenzene (Surr) |                        |  |                   |
| DFBZ = 1,4-Difluorobenzene (Surr) |                        |  |                   |

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

Matrix: Solid

Prep Type: Total/NA

| Lab Sample ID        | Client Sample ID       | Percent Surrogate Recovery (Acceptance Limits) |                   |
|----------------------|------------------------|--|-------------------|
|                      |                        | 1CO1<br>(70-130)                               | OTPH1<br>(70-130) |
| 880-29062-A-21-C MS  | Matrix Spike           | 111  | 101               |
| 880-29062-A-21-D MSD | Matrix Spike Duplicate | 123  | 118               |
| 890-4769-1           | SW-01                  | 109  | 84                |
| 890-4769-1 MS        | SW-01                  | 113  | 81                |
| 890-4769-1 MSD       | SW-01                  | 111  | 79                |
| 890-4769-2           | SW-02                  | 112  | 87                |
| 890-4769-3           | SW-03                  | 123  | 95                |
| 890-4769-4           | SW-04                  | 113  | 89                |
| 890-4769-5           | SW-05                  | 122  | 95                |
| 890-4769-6           | SW-06                  | 114  | 88                |
| 890-4769-7           | FL-01@3'               | 119  | 92                |
| 890-4769-8           | FL-02 @3'              | 118  | 122               |
| 890-4769-9           | FL-03 @3'              | 111  | 110               |
| 890-4769-10          | FL-04 @4'              | 117  | 121               |
| 890-4769-11          | FL-05 @4'              | 107  | 107               |
| 890-4769-12          | FL-06 @4'              | 106  | 106               |

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Surrogate Summary

Client: TRC Solutions, Inc.  
Project/Site: Rocket Fed Com #5H

Job ID: 890-4769-1

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

Matrix: Solid

Prep Type: Total/NA

|                         |                        | Percent Surrogate Recovery (Acceptance Limits) |                   |
|-------------------------|------------------------|--|-------------------|
| Lab Sample ID           | Client Sample ID       | 1CO1<br>(70-130)                               | OTPH1<br>(70-130) |
| 890-4769-13             | FL-07 @4'              | 107  | 107               |
| LCS 880-54720/2-A       | Lab Control Sample     | 109  | 84                |
| LCS 880-54721/2-A       | Lab Control Sample     | 101  | 101               |
| LCSD 880-54720/3-A      | Lab Control Sample Dup | 99   | 75                |
| LCSD 880-54721/3-A      | Lab Control Sample Dup | 103  | 103               |
| MB 880-54720/1-A        | Method Blank           | 136 S1+  | 108               |
| MB 880-54721/1-A        | Method Blank           | 115  | 121               |
| <b>Surrogate Legend</b> |                        |  |                   |
| 1CO = 1-Chlorooctane    |                        |  |                   |
| OTPH = o-Terphenyl      |                        |  |                   |

## QC Sample Results

Client: TRC Solutions, Inc.  
Project/Site: Rocket Fed Com #5H

Job ID: 890-4769-1

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

Lab Sample ID: MB 880-54722/5-A

Matrix: Solid

Analysis Batch: 54718

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 54722

| Analyte             | MB<br>Result | MB<br>Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|--------------|-----------------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00200     | U               | 0.00200 |     | mg/Kg |   | 06/05/23 09:21 | 06/05/23 11:01 | 1       |
| Toluene             | <0.00200     | U               | 0.00200 |     | mg/Kg |   | 06/05/23 09:21 | 06/05/23 11:01 | 1       |
| Ethylbenzene        | <0.00200     | U               | 0.00200 |     | mg/Kg |   | 06/05/23 09:21 | 06/05/23 11:01 | 1       |
| m-Xylene & p-Xylene | <0.00400     | U               | 0.00400 |     | mg/Kg |   | 06/05/23 09:21 | 06/05/23 11:01 | 1       |
| o-Xylene            | <0.00200     | U               | 0.00200 |     | mg/Kg |   | 06/05/23 09:21 | 06/05/23 11:01 | 1       |
| Xylenes, Total      | <0.00400     | U               | 0.00400 |     | mg/Kg |   | 06/05/23 09:21 | 06/05/23 11:01 | 1       |

| Surrogate                   | MB<br>%Recovery | MB<br>Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------------|-----------------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 73              |                 | 70 - 130 | 06/05/23 09:21 | 06/05/23 11:01 | 1       |
| 1,4-Difluorobenzene (Surr)  | 101             |                 | 70 - 130 | 06/05/23 09:21 | 06/05/23 11:01 | 1       |

Lab Sample ID: LCS 880-54722/1-A

Matrix: Solid

Analysis Batch: 54718

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 54722

| Analyte             | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|---------------------|----------------|---------------|------------------|-------|---|------|----------------|
| Benzene             | 0.100          | 0.1291        |                  | mg/Kg |   | 129  | 70 - 130       |
| Toluene             | 0.100          | 0.1075        |                  | mg/Kg |   | 108  | 70 - 130       |
| Ethylbenzene        | 0.100          | 0.09845       |                  | mg/Kg |   | 98   | 70 - 130       |
| m-Xylene & p-Xylene | 0.200          | 0.2096        |                  | mg/Kg |   | 105  | 70 - 130       |
| o-Xylene            | 0.100          | 0.1044        |                  | mg/Kg |   | 104  | 70 - 130       |

| Surrogate                   | LCS<br>%Recovery | LCS<br>Qualifier | Limits   |
|-----------------------------|------------------|------------------|----------|
| 4-Bromofluorobenzene (Surr) | 102              |                  | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 111              |                  | 70 - 130 |

Lab Sample ID: LCSD 880-54722/2-A

Matrix: Solid

Analysis Batch: 54718

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 54722

| Analyte             | Spike<br>Added | LCSD<br>Result | LCSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|---------------------|----------------|----------------|-------------------|-------|---|------|----------------|-----|--------------|
| Benzene             | 0.100          | 0.1251         |                   | mg/Kg |   | 125  | 70 - 130       | 3   | 35           |
| Toluene             | 0.100          | 0.1062         |                   | mg/Kg |   | 106  | 70 - 130       | 1   | 35           |
| Ethylbenzene        | 0.100          | 0.1018         |                   | mg/Kg |   | 102  | 70 - 130       | 3   | 35           |
| m-Xylene & p-Xylene | 0.200          | 0.2179         |                   | mg/Kg |   | 109  | 70 - 130       | 4   | 35           |
| o-Xylene            | 0.100          | 0.1064         |                   | mg/Kg |   | 106  | 70 - 130       | 2   | 35           |

| Surrogate                   | LCSD<br>%Recovery | LCSD<br>Qualifier | Limits   |
|-----------------------------|-------------------|-------------------|----------|
| 4-Bromofluorobenzene (Surr) | 112               |                   | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 111               |                   | 70 - 130 |

Lab Sample ID: 890-4769-1 MS

Matrix: Solid

Analysis Batch: 54718

Client Sample ID: SW-01

Prep Type: Total/NA

Prep Batch: 54722

| Analyte | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MS<br>Result | MS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|---------|------------------|---------------------|----------------|--------------|-----------------|-------|---|------|----------------|
| Benzene | <0.00198         | U                   | 0.101          | 0.1201       |                 | mg/Kg |   | 119  | 70 - 130       |
| Toluene | <0.00198         | U                   | 0.101          | 0.1048       |                 | mg/Kg |   | 104  | 70 - 130       |

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## QC Sample Results

Client: TRC Solutions, Inc.  
Project/Site: Rocket Fed Com #5H

Job ID: 890-4769-1

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

Lab Sample ID: 890-4769-1 MS

Matrix: Solid

Analysis Batch: 54718

Client Sample ID: SW-01

Prep Type: Total/NA

Prep Batch: 54722

| Analyte             | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|---------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Ethylbenzene        | <0.00198      | U                | 0.101       | 0.1072    |              | mg/Kg |   | 106  | 70 - 130    |
| m-Xylene & p-Xylene | <0.00396      | U                | 0.202       | 0.2269    |              | mg/Kg |   | 112  | 70 - 130    |
| o-Xylene            | <0.00198      | U                | 0.101       | 0.1091    |              | mg/Kg |   | 108  | 70 - 130    |

| Surrogate                   | MS %Recovery | MS Qualifier | Limits   |
|-----------------------------|--------------|--------------|----------|
| 4-Bromofluorobenzene (Surr) | 121          |              | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 108          |              | 70 - 130 |

Lab Sample ID: 890-4769-1 MSD

Matrix: Solid

Analysis Batch: 54718

Client Sample ID: SW-01

Prep Type: Total/NA

Prep Batch: 54722

| Analyte             | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Benzene             | <0.00198      | U                | 0.0994      | 0.1216     |               | mg/Kg |   | 122  | 70 - 130    | 1   | 35        |
| Toluene             | <0.00198      | U                | 0.0994      | 0.1052     |               | mg/Kg |   | 106  | 70 - 130    | 0   | 35        |
| Ethylbenzene        | <0.00198      | U                | 0.0994      | 0.09985    |               | mg/Kg |   | 100  | 70 - 130    | 7   | 35        |
| m-Xylene & p-Xylene | <0.00396      | U                | 0.199       | 0.2111     |               | mg/Kg |   | 106  | 70 - 130    | 7   | 35        |
| o-Xylene            | <0.00198      | U                | 0.0994      | 0.1022     |               | mg/Kg |   | 103  | 70 - 130    | 6   | 35        |

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

Lab Sample ID: MB 880-54723/5-A

Matrix: Solid

Analysis Batch: 54717

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 54723

| Analyte             | MB Result | MB Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|-----------|--------------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00200  | U            | 0.00200 |     | mg/Kg |   | 06/05/23 09:33 | 06/05/23 11:35 | 1       |
| Toluene             | <0.00200  | U            | 0.00200 |     | mg/Kg |   | 06/05/23 09:33 | 06/05/23 11:35 | 1       |
| Ethylbenzene        | <0.00200  | U            | 0.00200 |     | mg/Kg |   | 06/05/23 09:33 | 06/05/23 11:35 | 1       |
| m-Xylene & p-Xylene | <0.00400  | U            | 0.00400 |     | mg/Kg |   | 06/05/23 09:33 | 06/05/23 11:35 | 1       |
| o-Xylene            | <0.00200  | U            | 0.00200 |     | mg/Kg |   | 06/05/23 09:33 | 06/05/23 11:35 | 1       |
| Xylenes, Total      | <0.00400  | U            | 0.00400 |     | mg/Kg |   | 06/05/23 09:33 | 06/05/23 11:35 | 1       |

| Surrogate                   | MB %Recovery | MB Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|--------------|--------------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 69           | S1-          | 70 - 130 | 06/05/23 09:33 | 06/05/23 11:35 | 1       |
| 1,4-Difluorobenzene (Surr)  | 89           |              | 70 - 130 | 06/05/23 09:33 | 06/05/23 11:35 | 1       |

Lab Sample ID: LCS 880-54723/1-A

Matrix: Solid

Analysis Batch: 54717

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 54723

| Analyte             | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |
|---------------------|-------------|------------|---------------|-------|---|------|-------------|
| Benzene             | 0.100       | 0.1383     | *+            | mg/Kg |   | 138  | 70 - 130    |
| Toluene             | 0.100       | 0.1216     |               | mg/Kg |   | 122  | 70 - 130    |
| Ethylbenzene        | 0.100       | 0.1204     |               | mg/Kg |   | 120  | 70 - 130    |
| m-Xylene & p-Xylene | 0.200       | 0.2357     |               | mg/Kg |   | 118  | 70 - 130    |

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## QC Sample Results

Client: TRC Solutions, Inc.  
Project/Site: Rocket Fed Com #5H

Job ID: 890-4769-1

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

Lab Sample ID: LCS 880-54723/1-A

Matrix: Solid

Analysis Batch: 54717

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 54723

| Analyte  | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |
|----------|-------------|------------|---------------|-------|---|------|-------------|
| o-Xylene | 0.100       | 0.1144     |               | mg/Kg |   | 114  | 70 - 130    |

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

Lab Sample ID: LCSD 880-54723/2-A

Matrix: Solid

Analysis Batch: 54717

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 54723

| Analyte             | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | Limit |
|---------------------|-------------|-------------|----------------|-------|---|------|-------------|-----|-------|
| Benzene             | 0.100       | 0.1489      | *+             | mg/Kg |   | 149  | 70 - 130    | 7   | 35    |
| Toluene             | 0.100       | 0.1349      | *+             | mg/Kg |   | 135  | 70 - 130    | 10  | 35    |
| Ethylbenzene        | 0.100       | 0.1324      | *+             | mg/Kg |   | 132  | 70 - 130    | 9   | 35    |
| m-Xylene & p-Xylene | 0.200       | 0.2585      |                | mg/Kg |   | 129  | 70 - 130    | 9   | 35    |
| o-Xylene            | 0.100       | 0.01276     | *- *1          | mg/Kg |   | 13   | 70 - 130    | 160 | 35    |

| Surrogate                   | LCSD %Recovery | LCSD Qualifier | Limits   |
|-----------------------------|----------------|----------------|----------|
| 4-Bromofluorobenzene (Surr) | 119            |                | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 100            |                | 70 - 130 |

Lab Sample ID: 890-4769-11 MS

Matrix: Solid

Analysis Batch: 54717

Client Sample ID: FL-05 @4'

Prep Type: Total/NA

Prep Batch: 54723

| Analyte             | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|---------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Benzene             | <0.00199      | U *+ F1          | 0.100       | 0.1458    | F1           | mg/Kg |   | 146  | 70 - 130    |
| Toluene             | <0.00199      | U *+ F1          | 0.100       | 0.1332    | F1           | mg/Kg |   | 133  | 70 - 130    |
| Ethylbenzene        | <0.00199      | U *+ F1          | 0.100       | 0.1262    |              | mg/Kg |   | 126  | 70 - 130    |
| m-Xylene & p-Xylene | <0.00398      | U F1             | 0.200       | 0.2448    |              | mg/Kg |   | 122  | 70 - 130    |
| o-Xylene            | <0.00199      | U *- *1 F1       | 0.100       | 0.1173    |              | mg/Kg |   | 117  | 70 - 130    |

| Surrogate                   | MS %Recovery | MS Qualifier | Limits   |
|-----------------------------|--------------|--------------|----------|
| 4-Bromofluorobenzene (Surr) | 132          | S1+          | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 104          |              | 70 - 130 |

Lab Sample ID: 890-4769-11 MSD

Matrix: Solid

Analysis Batch: 54717

Client Sample ID: FL-05 @4'

Prep Type: Total/NA

Prep Batch: 54723

| Analyte             | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | Limit |
|---------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-------|
| Benzene             | <0.00199      | U *+ F1          | 0.101       | 0.1653     | F1            | mg/Kg |   | 164  | 70 - 130    | 12  | 35    |
| Toluene             | <0.00199      | U *+ F1          | 0.101       | 0.1495     | F1            | mg/Kg |   | 148  | 70 - 130    | 11  | 35    |
| Ethylbenzene        | <0.00199      | U *+ F1          | 0.101       | 0.1486     | F1            | mg/Kg |   | 147  | 70 - 130    | 16  | 35    |
| m-Xylene & p-Xylene | <0.00398      | U F1             | 0.202       | 0.2920     | F1            | mg/Kg |   | 145  | 70 - 130    | 18  | 35    |
| o-Xylene            | <0.00199      | U *- *1 F1       | 0.101       | 0.1422     | F1            | mg/Kg |   | 141  | 70 - 130    | 19  | 35    |

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## QC Sample Results

Client: TRC Solutions, Inc.  
Project/Site: Rocket Fed Com #5H

Job ID: 890-4769-1

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

Lab Sample ID: 890-4769-11 MSD

Matrix: Solid

Analysis Batch: 54717

Client Sample ID: FL-05 @4'

Prep Type: Total/NA

Prep Batch: 54723

|                             | MSD       | MSD       |          |
|-----------------------------|-----------|-----------|----------|
| Surrogate                   | %Recovery | Qualifier | Limits   |
| 4-Bromofluorobenzene (Surr) | 138       | S1+       | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 101       |           | 70 - 130 |

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

Lab Sample ID: MB 880-54720/1-A

Matrix: Solid

Analysis Batch: 54713

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 54720

|                                      | MB        | MB        |          |     |       |   |                |                |     |     |
|--------------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|-----|-----|
| Analyte                              | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil | Fac |
| Gasoline Range Organics (GRO)-C6-C10 | <50.0     | U         | 50.0     |     | mg/Kg |   | 06/05/23 08:00 | 06/05/23 08:21 | 1   |     |
| Diesel Range Organics (Over C10-C28) | <50.0     | U         | 50.0     |     | mg/Kg |   | 06/05/23 08:00 | 06/05/23 08:21 | 1   |     |
| Oil Range Organics (Over C28-C36)    | <50.0     | U         | 50.0     |     | mg/Kg |   | 06/05/23 08:00 | 06/05/23 08:21 | 1   |     |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil | Fac |
| 1-Chlorooctane                       | 136       | S1+       | 70 - 130 |     |       |   | 06/05/23 08:00 | 06/05/23 08:21 | 1   |     |
| o-Terphenyl                          | 108       |           | 70 - 130 |     |       |   | 06/05/23 08:00 | 06/05/23 08:21 | 1   |     |

Lab Sample ID: LCS 880-54720/2-A

Matrix: Solid

Analysis Batch: 54713

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 54720

|                                      |           |           | Spike    | LCS    | LCS       |       |   |      | %Rec     |  |
|--------------------------------------|-----------|-----------|----------|--------|-----------|-------|---|------|----------|--|
| Analyte                              |           |           | Added    | Result | Qualifier | Unit  | D | %Rec | Limits   |  |
| Gasoline Range Organics (GRO)-C6-C10 |           |           | 1000     | 845.6  |           | mg/Kg |   | 85   | 70 - 130 |  |
| Diesel Range Organics (Over C10-C28) |           |           | 1000     | 885.3  |           | mg/Kg |   | 89   | 70 - 130 |  |
| Surrogate                            |           | LCS       | LCS      |        |           |       |   |      |          |  |
|                                      | %Recovery | Qualifier | Limits   |        |           |       |   |      |          |  |
| 1-Chlorooctane                       | 109       |           | 70 - 130 |        |           |       |   |      |          |  |
| o-Terphenyl                          | 84        |           | 70 - 130 |        |           |       |   |      |          |  |

Lab Sample ID: LCSD 880-54720/3-A

Matrix: Solid

Analysis Batch: 54713

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 54720

|                                      |           |           | Spike    | LCSD   | LCSD      |       |   |      | %Rec     |     | RPD   |  |
|--------------------------------------|-----------|-----------|----------|--------|-----------|-------|---|------|----------|-----|-------|--|
| Analyte                              |           |           | Added    | Result | Qualifier | Unit  | D | %Rec | Limits   | RPD | Limit |  |
| Gasoline Range Organics (GRO)-C6-C10 |           |           | 1000     | 955.3  |           | mg/Kg |   | 96   | 70 - 130 | 12  | 20    |  |
| Diesel Range Organics (Over C10-C28) |           |           | 1000     | 951.7  |           | mg/Kg |   | 95   | 70 - 130 | 7   | 20    |  |
| Surrogate                            |           | LCSD      | LCSD     |        |           |       |   |      |          |     |       |  |
|                                      | %Recovery | Qualifier | Limits   |        |           |       |   |      |          |     |       |  |
| 1-Chlorooctane                       | 99        |           | 70 - 130 |        |           |       |   |      |          |     |       |  |
| o-Terphenyl                          | 75        |           | 70 - 130 |        |           |       |   |      |          |     |       |  |

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QC Sample Results

Client: TRC Solutions, Inc.  
Project/Site: Rocket Fed Com #5H

Job ID: 890-4769-1

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

Lab Sample ID: 890-4769-1 MS  
Matrix: Solid  
Analysis Batch: 54713

Client Sample ID: SW-01  
Prep Type: Total/NA  
Prep Batch: 54720

| Analyte                              | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|--------------------------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9         | U                | 1000        | 1080      |              | mg/Kg |   | 108  | 70 - 130    |
| Diesel Range Organics (Over C10-C28) | <49.9         | U                | 1000        | 957.5     |              | mg/Kg |   | 96   | 70 - 130    |
| Surrogate                            | MS %Recovery  | MS Qualifier     | Limits      |           |              |       |   |      |             |
| 1-Chlorooctane                       | 113           |                  | 70 - 130    |           |              |       |   |      |             |
| o-Terphenyl                          | 81            |                  | 70 - 130    |           |              |       |   |      |             |

Lab Sample ID: 890-4769-1 MSD  
Matrix: Solid  
Analysis Batch: 54713

Client Sample ID: SW-01  
Prep Type: Total/NA  
Prep Batch: 54720

| Analyte                              | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------------------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9         | U                | 998         | 1122       |               | mg/Kg |   | 112  | 70 - 130    | 4   | 20        |
| Diesel Range Organics (Over C10-C28) | <49.9         | U                | 998         | 925.7      |               | mg/Kg |   | 93   | 70 - 130    | 3   | 20        |
| Surrogate                            | MSD %Recovery | MSD Qualifier    | Limits      |            |               |       |   |      |             |     |           |
| 1-Chlorooctane                       | 111           |                  | 70 - 130    |            |               |       |   |      |             |     |           |
| o-Terphenyl                          | 79            |                  | 70 - 130    |            |               |       |   |      |             |     |           |

Lab Sample ID: MB 880-54721/1-A  
Matrix: Solid  
Analysis Batch: 54716

Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 54721

| Analyte                              | MB Result    | MB Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------------|--------------|----------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0        | U            | 50.0     |     | mg/Kg |   | 06/05/23 08:00 | 06/05/23 08:21 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0        | U            | 50.0     |     | mg/Kg |   | 06/05/23 08:00 | 06/05/23 08:21 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0        | U            | 50.0     |     | mg/Kg |   | 06/05/23 08:00 | 06/05/23 08:21 | 1       |
| Surrogate                            | MB %Recovery | MB Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 115          |              | 70 - 130 |     |       |   | 06/05/23 08:00 | 06/05/23 08:21 | 1       |
| o-Terphenyl                          | 121          |              | 70 - 130 |     |       |   | 06/05/23 08:00 | 06/05/23 08:21 | 1       |

Lab Sample ID: LCS 880-54721/2-A  
Matrix: Solid  
Analysis Batch: 54716

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 54721

| Analyte                              | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |
|--------------------------------------|-------------|------------|---------------|-------|---|------|-------------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000        | 1206       |               | mg/Kg |   | 121  | 70 - 130    |
| Diesel Range Organics (Over C10-C28) | 1000        | 917.6      |               | mg/Kg |   | 92   | 70 - 130    |

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## QC Sample Results

Client: TRC Solutions, Inc.  
Project/Site: Rocket Fed Com #5H

Job ID: 890-4769-1

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

Lab Sample ID: LCS 880-54721/2-A

Matrix: Solid

Analysis Batch: 54716

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 54721

|                | LCS       | LCS       |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 101       |           | 70 - 130 |
| o-Terphenyl    | 101       |           | 70 - 130 |

Lab Sample ID: LCSD 880-54721/3-A

Matrix: Solid

Analysis Batch: 54716

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 54721

| Analyte                              | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------------------------------|-------------|-------------|----------------|-------|---|------|-------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000        | 1211        |                | mg/Kg |   | 121  | 70 - 130    | 0   | 20        |
| Diesel Range Organics (Over C10-C28) | 1000        | 910.3       |                | mg/Kg |   | 91   | 70 - 130    | 1   | 20        |

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

Lab Sample ID: 880-29062-A-21-C MS

Matrix: Solid

Analysis Batch: 54716

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 54721

| Analyte                              | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|--------------------------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9         | U                | 998         | 1039      |              | mg/Kg |   | 100  | 70 - 130    |
| Diesel Range Organics (Over C10-C28) | <49.9         | U                | 998         | 1051      |              | mg/Kg |   | 105  | 70 - 130    |

|                | MS        | MS        |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 111       |           | 70 - 130 |
| o-Terphenyl    | 101       |           | 70 - 130 |

Lab Sample ID: 880-29062-A-21-D MSD

Matrix: Solid

Analysis Batch: 54716

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 54721

| Analyte                              | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------------------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9         | U                | 999         | 1183       |               | mg/Kg |   | 114  | 70 - 130    | 13  | 20        |
| Diesel Range Organics (Over C10-C28) | <49.9         | U                | 999         | 1214       |               | mg/Kg |   | 122  | 70 - 130    | 14  | 20        |

|                | MSD       | MSD       |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 123       |           | 70 - 130 |
| o-Terphenyl    | 118       |           | 70 - 130 |

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## QC Sample Results

Client: TRC Solutions, Inc.  
Project/Site: Rocket Fed Com #5H

Job ID: 890-4769-1

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-54670/1-A

Matrix: Solid

Analysis Batch: 54733

Client Sample ID: Method Blank

Prep Type: Soluble

| Analyte  | MB<br>Result | MB<br>Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------------|-----------------|------|-----|-------|---|----------|----------------|---------|
| Chloride | <5.00        | U               | 5.00 |     | mg/Kg |   |          | 06/05/23 11:23 | 1       |

Lab Sample ID: LCS 880-54670/2-A

Matrix: Solid

Analysis Batch: 54733

Client Sample ID: Lab Control Sample

Prep Type: Soluble

| Analyte  | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|----------|----------------|---------------|------------------|-------|---|------|----------------|
| Chloride | 250            | 246.1         |                  | mg/Kg |   | 98   | 90 - 110       |

Lab Sample ID: LCSD 880-54670/3-A

Matrix: Solid

Analysis Batch: 54733

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

| Analyte  | Spike<br>Added | LCSD<br>Result | LCSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|----------|----------------|----------------|-------------------|-------|---|------|----------------|-----|--------------|
| Chloride | 250            | 246.9          |                   | mg/Kg |   | 99   | 90 - 110       | 0   | 20           |

Lab Sample ID: 890-4769-1 MS

Matrix: Solid

Analysis Batch: 54733

Client Sample ID: SW-01

Prep Type: Soluble

| Analyte  | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MS<br>Result | MS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|----------|------------------|---------------------|----------------|--------------|-----------------|-------|---|------|----------------|
| Chloride | 523              | F1                  | 251            | 730.7        | F1              | mg/Kg |   | 83   | 90 - 110       |

Lab Sample ID: 890-4769-1 MSD

Matrix: Solid

Analysis Batch: 54733

Client Sample ID: SW-01

Prep Type: Soluble

| Analyte  | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MSD<br>Result | MSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|----------|------------------|---------------------|----------------|---------------|------------------|-------|---|------|----------------|-----|--------------|
| Chloride | 523              | F1                  | 251            | 732.2         | F1               | mg/Kg |   | 84   | 90 - 110       | 0   | 20           |

Lab Sample ID: 890-4769-11 MS

Matrix: Solid

Analysis Batch: 54733

Client Sample ID: FL-05 @4'

Prep Type: Soluble

| Analyte  | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MS<br>Result | MS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|----------|------------------|---------------------|----------------|--------------|-----------------|-------|---|------|----------------|
| Chloride | 1110             |                     | 250            | 1332         | 4               | mg/Kg |   | 90   | 90 - 110       |

Lab Sample ID: 890-4769-11 MSD

Matrix: Solid

Analysis Batch: 54733

Client Sample ID: FL-05 @4'

Prep Type: Soluble

| Analyte  | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MSD<br>Result | MSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|----------|------------------|---------------------|----------------|---------------|------------------|-------|---|------|----------------|-----|--------------|
| Chloride | 1110             |                     | 250            | 1330          | 4                | mg/Kg |   | 90   | 90 - 110       | 0   | 20           |

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## QC Association Summary

Client: TRC Solutions, Inc.  
Project/Site: Rocket Fed Com #5H

Job ID: 890-4769-1

## GC VOA

## Analysis Batch: 54717

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 890-4769-11        | FL-05 @4'              | Total/NA  | Solid  | 8021B  | 54723      |
| 890-4769-12        | FL-06 @4'              | Total/NA  | Solid  | 8021B  | 54723      |
| 890-4769-13        | FL-07 @4'              | Total/NA  | Solid  | 8021B  | 54723      |
| MB 880-54723/5-A   | Method Blank           | Total/NA  | Solid  | 8021B  | 54723      |
| LCS 880-54723/1-A  | Lab Control Sample     | Total/NA  | Solid  | 8021B  | 54723      |
| LCSD 880-54723/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 8021B  | 54723      |
| 890-4769-11 MS     | FL-05 @4'              | Total/NA  | Solid  | 8021B  | 54723      |
| 890-4769-11 MSD    | FL-05 @4'              | Total/NA  | Solid  | 8021B  | 54723      |

## Analysis Batch: 54718

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 890-4769-1         | SW-01                  | Total/NA  | Solid  | 8021B  | 54722      |
| 890-4769-2         | SW-02                  | Total/NA  | Solid  | 8021B  | 54722      |
| 890-4769-3         | SW-03                  | Total/NA  | Solid  | 8021B  | 54722      |
| 890-4769-4         | SW-04                  | Total/NA  | Solid  | 8021B  | 54722      |
| 890-4769-5         | SW-05                  | Total/NA  | Solid  | 8021B  | 54722      |
| 890-4769-6         | SW-06                  | Total/NA  | Solid  | 8021B  | 54722      |
| 890-4769-7         | FL-01@3'               | Total/NA  | Solid  | 8021B  | 54722      |
| 890-4769-8         | FL-02 @3'              | Total/NA  | Solid  | 8021B  | 54722      |
| 890-4769-9         | FL-03 @3'              | Total/NA  | Solid  | 8021B  | 54722      |
| 890-4769-10        | FL-04 @4'              | Total/NA  | Solid  | 8021B  | 54722      |
| MB 880-54722/5-A   | Method Blank           | Total/NA  | Solid  | 8021B  | 54722      |
| LCS 880-54722/1-A  | Lab Control Sample     | Total/NA  | Solid  | 8021B  | 54722      |
| LCSD 880-54722/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 8021B  | 54722      |
| 890-4769-1 MS      | SW-01                  | Total/NA  | Solid  | 8021B  | 54722      |
| 890-4769-1 MSD     | SW-01                  | Total/NA  | Solid  | 8021B  | 54722      |

## Prep Batch: 54722

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 890-4769-1         | SW-01                  | Total/NA  | Solid  | 5035   |            |
| 890-4769-2         | SW-02                  | Total/NA  | Solid  | 5035   |            |
| 890-4769-3         | SW-03                  | Total/NA  | Solid  | 5035   |            |
| 890-4769-4         | SW-04                  | Total/NA  | Solid  | 5035   |            |
| 890-4769-5         | SW-05                  | Total/NA  | Solid  | 5035   |            |
| 890-4769-6         | SW-06                  | Total/NA  | Solid  | 5035   |            |
| 890-4769-7         | FL-01@3'               | Total/NA  | Solid  | 5035   |            |
| 890-4769-8         | FL-02 @3'              | Total/NA  | Solid  | 5035   |            |
| 890-4769-9         | FL-03 @3'              | Total/NA  | Solid  | 5035   |            |
| 890-4769-10        | FL-04 @4'              | Total/NA  | Solid  | 5035   |            |
| MB 880-54722/5-A   | Method Blank           | Total/NA  | Solid  | 5035   |            |
| LCS 880-54722/1-A  | Lab Control Sample     | Total/NA  | Solid  | 5035   |            |
| LCSD 880-54722/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 5035   |            |
| 890-4769-1 MS      | SW-01                  | Total/NA  | Solid  | 5035   |            |
| 890-4769-1 MSD     | SW-01                  | Total/NA  | Solid  | 5035   |            |

## Prep Batch: 54723

| Lab Sample ID    | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|------------------|------------------|-----------|--------|--------|------------|
| 890-4769-11      | FL-05 @4'        | Total/NA  | Solid  | 5035   |            |
| 890-4769-12      | FL-06 @4'        | Total/NA  | Solid  | 5035   |            |
| 890-4769-13      | FL-07 @4'        | Total/NA  | Solid  | 5035   |            |
| MB 880-54723/5-A | Method Blank     | Total/NA  | Solid  | 5035   |            |

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## QC Association Summary

Client: TRC Solutions, Inc.  
Project/Site: Rocket Fed Com #5H

Job ID: 890-4769-1

## GC VOA (Continued)

## Prep Batch: 54723 (Continued)

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| LCS 880-54723/1-A  | Lab Control Sample     | Total/NA  | Solid  | 5035   |            |
| LCSD 880-54723/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 5035   |            |
| 890-4769-11 MS     | FL-05 @4'              | Total/NA  | Solid  | 5035   |            |
| 890-4769-11 MSD    | FL-05 @4'              | Total/NA  | Solid  | 5035   |            |

## Analysis Batch: 54821

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method     | Prep Batch |
|---------------|------------------|-----------|--------|------------|------------|
| 890-4769-1    | SW-01            | Total/NA  | Solid  | Total BTEX |            |
| 890-4769-2    | SW-02            | Total/NA  | Solid  | Total BTEX |            |
| 890-4769-3    | SW-03            | Total/NA  | Solid  | Total BTEX |            |
| 890-4769-4    | SW-04            | Total/NA  | Solid  | Total BTEX |            |
| 890-4769-5    | SW-05            | Total/NA  | Solid  | Total BTEX |            |
| 890-4769-6    | SW-06            | Total/NA  | Solid  | Total BTEX |            |
| 890-4769-7    | FL-01@3'         | Total/NA  | Solid  | Total BTEX |            |
| 890-4769-8    | FL-02 @3'        | Total/NA  | Solid  | Total BTEX |            |
| 890-4769-9    | FL-03 @3'        | Total/NA  | Solid  | Total BTEX |            |
| 890-4769-10   | FL-04 @4'        | Total/NA  | Solid  | Total BTEX |            |
| 890-4769-11   | FL-05 @4'        | Total/NA  | Solid  | Total BTEX |            |
| 890-4769-12   | FL-06 @4'        | Total/NA  | Solid  | Total BTEX |            |
| 890-4769-13   | FL-07 @4'        | Total/NA  | Solid  | Total BTEX |            |

## GC Semi VOA

## Analysis Batch: 54713

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| 890-4769-1         | SW-01                  | Total/NA  | Solid  | 8015B NM | 54720      |
| 890-4769-2         | SW-02                  | Total/NA  | Solid  | 8015B NM | 54720      |
| 890-4769-3         | SW-03                  | Total/NA  | Solid  | 8015B NM | 54720      |
| 890-4769-4         | SW-04                  | Total/NA  | Solid  | 8015B NM | 54720      |
| 890-4769-5         | SW-05                  | Total/NA  | Solid  | 8015B NM | 54720      |
| 890-4769-6         | SW-06                  | Total/NA  | Solid  | 8015B NM | 54720      |
| 890-4769-7         | FL-01@3'               | Total/NA  | Solid  | 8015B NM | 54720      |
| MB 880-54720/1-A   | Method Blank           | Total/NA  | Solid  | 8015B NM | 54720      |
| LCS 880-54720/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015B NM | 54720      |
| LCSD 880-54720/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015B NM | 54720      |
| 890-4769-1 MS      | SW-01                  | Total/NA  | Solid  | 8015B NM | 54720      |
| 890-4769-1 MSD     | SW-01                  | Total/NA  | Solid  | 8015B NM | 54720      |

## Analysis Batch: 54716

| Lab Sample ID        | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|----------------------|------------------------|-----------|--------|----------|------------|
| 890-4769-8           | FL-02 @3'              | Total/NA  | Solid  | 8015B NM | 54721      |
| 890-4769-9           | FL-03 @3'              | Total/NA  | Solid  | 8015B NM | 54721      |
| 890-4769-10          | FL-04 @4'              | Total/NA  | Solid  | 8015B NM | 54721      |
| 890-4769-11          | FL-05 @4'              | Total/NA  | Solid  | 8015B NM | 54721      |
| 890-4769-12          | FL-06 @4'              | Total/NA  | Solid  | 8015B NM | 54721      |
| 890-4769-13          | FL-07 @4'              | Total/NA  | Solid  | 8015B NM | 54721      |
| MB 880-54721/1-A     | Method Blank           | Total/NA  | Solid  | 8015B NM | 54721      |
| LCS 880-54721/2-A    | Lab Control Sample     | Total/NA  | Solid  | 8015B NM | 54721      |
| LCSD 880-54721/3-A   | Lab Control Sample Dup | Total/NA  | Solid  | 8015B NM | 54721      |
| 880-29062-A-21-C MS  | Matrix Spike           | Total/NA  | Solid  | 8015B NM | 54721      |
| 880-29062-A-21-D MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 8015B NM | 54721      |

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## QC Association Summary

Client: TRC Solutions, Inc.  
Project/Site: Rocket Fed Com #5H

Job ID: 890-4769-1

## GC Semi VOA

## Prep Batch: 54720

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method      | Prep Batch |
|--------------------|------------------------|-----------|--------|-------------|------------|
| 890-4769-1         | SW-01                  | Total/NA  | Solid  | 8015NM Prep |            |
| 890-4769-2         | SW-02                  | Total/NA  | Solid  | 8015NM Prep |            |
| 890-4769-3         | SW-03                  | Total/NA  | Solid  | 8015NM Prep |            |
| 890-4769-4         | SW-04                  | Total/NA  | Solid  | 8015NM Prep |            |
| 890-4769-5         | SW-05                  | Total/NA  | Solid  | 8015NM Prep |            |
| 890-4769-6         | SW-06                  | Total/NA  | Solid  | 8015NM Prep |            |
| 890-4769-7         | FL-01@3'               | Total/NA  | Solid  | 8015NM Prep |            |
| MB 880-54720/1-A   | Method Blank           | Total/NA  | Solid  | 8015NM Prep |            |
| LCS 880-54720/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015NM Prep |            |
| LCSD 880-54720/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015NM Prep |            |
| 890-4769-1 MS      | SW-01                  | Total/NA  | Solid  | 8015NM Prep |            |
| 890-4769-1 MSD     | SW-01                  | Total/NA  | Solid  | 8015NM Prep |            |

## Prep Batch: 54721

| Lab Sample ID        | Client Sample ID       | Prep Type | Matrix | Method      | Prep Batch |
|----------------------|------------------------|-----------|--------|-------------|------------|
| 890-4769-8           | FL-02 @3'              | Total/NA  | Solid  | 8015NM Prep |            |
| 890-4769-9           | FL-03 @3'              | Total/NA  | Solid  | 8015NM Prep |            |
| 890-4769-10          | FL-04 @4'              | Total/NA  | Solid  | 8015NM Prep |            |
| 890-4769-11          | FL-05 @4'              | Total/NA  | Solid  | 8015NM Prep |            |
| 890-4769-12          | FL-06 @4'              | Total/NA  | Solid  | 8015NM Prep |            |
| 890-4769-13          | FL-07 @4'              | Total/NA  | Solid  | 8015NM Prep |            |
| MB 880-54721/1-A     | Method Blank           | Total/NA  | Solid  | 8015NM Prep |            |
| LCS 880-54721/2-A    | Lab Control Sample     | Total/NA  | Solid  | 8015NM Prep |            |
| LCSD 880-54721/3-A   | Lab Control Sample Dup | Total/NA  | Solid  | 8015NM Prep |            |
| 880-29062-A-21-C MS  | Matrix Spike           | Total/NA  | Solid  | 8015NM Prep |            |
| 880-29062-A-21-D MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 8015NM Prep |            |

## Analysis Batch: 54803

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method  | Prep Batch |
|---------------|------------------|-----------|--------|---------|------------|
| 890-4769-1    | SW-01            | Total/NA  | Solid  | 8015 NM |            |
| 890-4769-2    | SW-02            | Total/NA  | Solid  | 8015 NM |            |
| 890-4769-3    | SW-03            | Total/NA  | Solid  | 8015 NM |            |
| 890-4769-4    | SW-04            | Total/NA  | Solid  | 8015 NM |            |
| 890-4769-5    | SW-05            | Total/NA  | Solid  | 8015 NM |            |
| 890-4769-6    | SW-06            | Total/NA  | Solid  | 8015 NM |            |
| 890-4769-7    | FL-01@3'         | Total/NA  | Solid  | 8015 NM |            |
| 890-4769-8    | FL-02 @3'        | Total/NA  | Solid  | 8015 NM |            |
| 890-4769-9    | FL-03 @3'        | Total/NA  | Solid  | 8015 NM |            |
| 890-4769-10   | FL-04 @4'        | Total/NA  | Solid  | 8015 NM |            |
| 890-4769-11   | FL-05 @4'        | Total/NA  | Solid  | 8015 NM |            |
| 890-4769-12   | FL-06 @4'        | Total/NA  | Solid  | 8015 NM |            |
| 890-4769-13   | FL-07 @4'        | Total/NA  | Solid  | 8015 NM |            |

## HPLC/IC

## Leach Batch: 54670

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method   | Prep Batch |
|---------------|------------------|-----------|--------|----------|------------|
| 890-4769-1    | SW-01            | Soluble   | Solid  | DI Leach |            |
| 890-4769-2    | SW-02            | Soluble   | Solid  | DI Leach |            |
| 890-4769-3    | SW-03            | Soluble   | Solid  | DI Leach |            |
| 890-4769-4    | SW-04            | Soluble   | Solid  | DI Leach |            |

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## QC Association Summary

Client: TRC Solutions, Inc.  
Project/Site: Rocket Fed Com #5H

Job ID: 890-4769-1

## HPLC/IC (Continued)

## Leach Batch: 54670 (Continued)

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| 890-4769-5         | SW-05                  | Soluble   | Solid  | DI Leach |            |
| 890-4769-6         | SW-06                  | Soluble   | Solid  | DI Leach |            |
| 890-4769-7         | FL-01@3'               | Soluble   | Solid  | DI Leach |            |
| 890-4769-8         | FL-02 @3'              | Soluble   | Solid  | DI Leach |            |
| 890-4769-9         | FL-03 @3'              | Soluble   | Solid  | DI Leach |            |
| 890-4769-10        | FL-04 @4'              | Soluble   | Solid  | DI Leach |            |
| 890-4769-11        | FL-05 @4'              | Soluble   | Solid  | DI Leach |            |
| 890-4769-12        | FL-06 @4'              | Soluble   | Solid  | DI Leach |            |
| 890-4769-13        | FL-07 @4'              | Soluble   | Solid  | DI Leach |            |
| MB 880-54670/1-A   | Method Blank           | Soluble   | Solid  | DI Leach |            |
| LCS 880-54670/2-A  | Lab Control Sample     | Soluble   | Solid  | DI Leach |            |
| LCSD 880-54670/3-A | Lab Control Sample Dup | Soluble   | Solid  | DI Leach |            |
| 890-4769-1 MS      | SW-01                  | Soluble   | Solid  | DI Leach |            |
| 890-4769-1 MSD     | SW-01                  | Soluble   | Solid  | DI Leach |            |
| 890-4769-11 MS     | FL-05 @4'              | Soluble   | Solid  | DI Leach |            |
| 890-4769-11 MSD    | FL-05 @4'              | Soluble   | Solid  | DI Leach |            |

## Analysis Batch: 54733

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 890-4769-1         | SW-01                  | Soluble   | Solid  | 300.0  | 54670      |
| 890-4769-2         | SW-02                  | Soluble   | Solid  | 300.0  | 54670      |
| 890-4769-3         | SW-03                  | Soluble   | Solid  | 300.0  | 54670      |
| 890-4769-4         | SW-04                  | Soluble   | Solid  | 300.0  | 54670      |
| 890-4769-5         | SW-05                  | Soluble   | Solid  | 300.0  | 54670      |
| 890-4769-6         | SW-06                  | Soluble   | Solid  | 300.0  | 54670      |
| 890-4769-7         | FL-01@3'               | Soluble   | Solid  | 300.0  | 54670      |
| 890-4769-8         | FL-02 @3'              | Soluble   | Solid  | 300.0  | 54670      |
| 890-4769-9         | FL-03 @3'              | Soluble   | Solid  | 300.0  | 54670      |
| 890-4769-10        | FL-04 @4'              | Soluble   | Solid  | 300.0  | 54670      |
| 890-4769-11        | FL-05 @4'              | Soluble   | Solid  | 300.0  | 54670      |
| 890-4769-12        | FL-06 @4'              | Soluble   | Solid  | 300.0  | 54670      |
| 890-4769-13        | FL-07 @4'              | Soluble   | Solid  | 300.0  | 54670      |
| MB 880-54670/1-A   | Method Blank           | Soluble   | Solid  | 300.0  | 54670      |
| LCS 880-54670/2-A  | Lab Control Sample     | Soluble   | Solid  | 300.0  | 54670      |
| LCSD 880-54670/3-A | Lab Control Sample Dup | Soluble   | Solid  | 300.0  | 54670      |
| 890-4769-1 MS      | SW-01                  | Soluble   | Solid  | 300.0  | 54670      |
| 890-4769-1 MSD     | SW-01                  | Soluble   | Solid  | 300.0  | 54670      |
| 890-4769-11 MS     | FL-05 @4'              | Soluble   | Solid  | 300.0  | 54670      |
| 890-4769-11 MSD    | FL-05 @4'              | Soluble   | Solid  | 300.0  | 54670      |

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Lab Chronicle

Client: TRC Solutions, Inc.  
Project/Site: Rocket Fed Com #5H

Job ID: 890-4769-1

Client Sample ID: SW-01  
Date Collected: 06/01/23 10:00  
Date Received: 06/01/23 16:32

Lab Sample ID: 890-4769-1  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.05 g         | 5 mL         | 54722        | 06/05/23 09:21       | EL      | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 54718        | 06/05/23 11:23       | AJ      | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 54821        | 06/05/23 16:57       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 54803        | 06/05/23 16:26       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.03 g        | 10 mL        | 54720        | 06/05/23 09:14       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 54713        | 06/05/23 11:00       | SM      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.99 g         | 50 mL        | 54670        | 06/02/23 16:40       | KS      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 54733        | 06/05/23 11:39       | CH      | EET MID |

Client Sample ID: SW-02  
Date Collected: 06/01/23 10:05  
Date Received: 06/01/23 16:32

Lab Sample ID: 890-4769-2  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.04 g         | 5 mL         | 54722        | 06/05/23 09:21       | EL      | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 54718        | 06/05/23 11:43       | AJ      | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 54821        | 06/05/23 16:57       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 54803        | 06/05/23 16:26       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.02 g        | 10 mL        | 54720        | 06/05/23 09:14       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 54713        | 06/05/23 12:07       | SM      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.98 g         | 50 mL        | 54670        | 06/02/23 16:40       | KS      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 54733        | 06/05/23 11:55       | CH      | EET MID |

Client Sample ID: SW-03  
Date Collected: 06/01/23 10:10  
Date Received: 06/01/23 16:32

Lab Sample ID: 890-4769-3  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.96 g         | 5 mL         | 54722        | 06/05/23 09:21       | EL      | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 54718        | 06/05/23 12:04       | AJ      | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 54821        | 06/05/23 16:57       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 54803        | 06/05/23 16:26       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.04 g        | 10 mL        | 54720        | 06/05/23 09:14       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 54713        | 06/05/23 12:29       | SM      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.01 g         | 50 mL        | 54670        | 06/02/23 16:40       | KS      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 54733        | 06/05/23 12:00       | CH      | EET MID |

Client Sample ID: SW-04  
Date Collected: 06/01/23 10:20  
Date Received: 06/01/23 16:32

Lab Sample ID: 890-4769-4  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.97 g         | 5 mL         | 54722        | 06/05/23 09:21       | EL      | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 54718        | 06/05/23 12:24       | AJ      | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 54821        | 06/05/23 16:57       | AJ      | EET MID |

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## Lab Chronicle

Client: TRC Solutions, Inc.  
Project/Site: Rocket Fed Com #5H

Job ID: 890-4769-1

Client Sample ID: SW-04

Date Collected: 06/01/23 10:20

Date Received: 06/01/23 16:32

Lab Sample ID: 890-4769-4

Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 54803        | 06/05/23 16:26       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 54720        | 06/05/23 09:14       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 54713        | 06/05/23 12:51       | SM      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.05 g         | 50 mL        | 54670        | 06/02/23 16:40       | KS      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 54733        | 06/05/23 12:05       | CH      | EET MID |

Client Sample ID: SW-05

Date Collected: 06/01/23 10:25

Date Received: 06/01/23 16:32

Lab Sample ID: 890-4769-5

Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.01 g         | 5 mL         | 54722        | 06/05/23 09:21       | EL      | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 54718        | 06/05/23 12:45       | AJ      | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 54821        | 06/05/23 16:57       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 54803        | 06/05/23 16:26       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 54720        | 06/05/23 09:14       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 54713        | 06/05/23 13:13       | SM      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.02 g         | 50 mL        | 54670        | 06/02/23 16:40       | KS      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 54733        | 06/05/23 12:11       | CH      | EET MID |

Client Sample ID: SW-06

Date Collected: 06/01/23 10:30

Date Received: 06/01/23 16:32

Lab Sample ID: 890-4769-6

Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.00 g         | 5 mL         | 54722        | 06/05/23 09:21       | EL      | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 54718        | 06/05/23 13:05       | AJ      | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 54821        | 06/05/23 16:57       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 54803        | 06/05/23 16:26       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.04 g        | 10 mL        | 54720        | 06/05/23 09:14       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 54713        | 06/05/23 13:35       | SM      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.05 g         | 50 mL        | 54670        | 06/02/23 16:40       | KS      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 54733        | 06/05/23 12:27       | CH      | EET MID |

Client Sample ID: FL-01@3'

Date Collected: 06/01/23 11:00

Date Received: 06/01/23 16:32

Lab Sample ID: 890-4769-7

Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.05 g         | 5 mL         | 54722        | 06/05/23 09:21       | EL      | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 54718        | 06/05/23 13:26       | AJ      | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 54821        | 06/05/23 16:57       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 54803        | 06/05/23 16:26       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.02 g        | 10 mL        | 54720        | 06/05/23 09:14       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 54713        | 06/05/23 13:57       | SM      | EET MID |

Eurofins Carlsbad



## Lab Chronicle

Client: TRC Solutions, Inc.  
Project/Site: Rocket Fed Com #5H

Job ID: 890-4769-1

Client Sample ID: FL-01@3'

Date Collected: 06/01/23 11:00

Date Received: 06/01/23 16:32

Lab Sample ID: 890-4769-7

Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.03 g         | 50 mL        | 54670        | 06/02/23 16:40       | KS      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 54733        | 06/05/23 12:32       | CH      | EET MID |

Client Sample ID: FL-02 @3'

Date Collected: 06/01/23 11:10

Date Received: 06/01/23 16:32

Lab Sample ID: 890-4769-8

Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.97 g         | 5 mL         | 54722        | 06/05/23 09:21       | EL      | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 54718        | 06/05/23 13:46       | AJ      | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 54821        | 06/05/23 16:57       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 54803        | 06/05/23 16:57       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.03 g        | 10 mL        | 54721        | 06/05/23 09:17       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 54716        | 06/05/23 12:07       | SM      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.96 g         | 50 mL        | 54670        | 06/02/23 16:40       | KS      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 54733        | 06/05/23 12:37       | CH      | EET MID |

Client Sample ID: FL-03 @3'

Date Collected: 06/01/23 11:20

Date Received: 06/01/23 16:32

Lab Sample ID: 890-4769-9

Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.95 g         | 5 mL         | 54722        | 06/05/23 09:21       | EL      | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 54718        | 06/05/23 14:07       | AJ      | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 54821        | 06/05/23 16:57       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 54803        | 06/05/23 16:57       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 54721        | 06/05/23 09:17       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 54716        | 06/05/23 12:29       | SM      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.03 g         | 50 mL        | 54670        | 06/02/23 16:40       | KS      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 54733        | 06/05/23 12:43       | CH      | EET MID |

Client Sample ID: FL-04 @4'

Date Collected: 06/01/23 11:30

Date Received: 06/01/23 16:32

Lab Sample ID: 890-4769-10

Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.99 g         | 5 mL         | 54722        | 06/05/23 09:21       | EL      | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 54718        | 06/05/23 14:27       | AJ      | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 54821        | 06/05/23 16:57       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 54803        | 06/05/23 16:57       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 54721        | 06/05/23 09:17       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 54716        | 06/05/23 12:51       | SM      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.01 g         | 50 mL        | 54670        | 06/02/23 16:40       | KS      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 54733        | 06/05/23 12:48       | CH      | EET MID |

Eurofins Carlsbad

Lab Chronicle

Client: TRC Solutions, Inc.  
Project/Site: Rocket Fed Com #5H

Job ID: 890-4769-1

Client Sample ID: FL-05 @4'  
Date Collected: 06/01/23 11:40  
Date Received: 06/01/23 16:32

Lab Sample ID: 890-4769-11  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.02 g         | 5 mL         | 54723        | 06/05/23 09:33       | EL      | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 54717        | 06/05/23 12:01       | AJ      | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 54821        | 06/05/23 17:02       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 54803        | 06/05/23 16:57       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.02 g        | 10 mL        | 54721        | 06/05/23 09:17       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 54716        | 06/05/23 13:13       | SM      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5 g            | 50 mL        | 54670        | 06/02/23 16:40       | KS      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 54733        | 06/05/23 12:54       | CH      | EET MID |

Client Sample ID: FL-06 @4'  
Date Collected: 06/01/23 11:50  
Date Received: 06/01/23 16:32

Lab Sample ID: 890-4769-12  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.05 g         | 5 mL         | 54723        | 06/05/23 09:33       | EL      | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 54717        | 06/05/23 12:26       | AJ      | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 54821        | 06/05/23 17:02       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 54803        | 06/05/23 16:57       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.04 g        | 10 mL        | 54721        | 06/05/23 09:17       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 54716        | 06/05/23 13:35       | SM      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.01 g         | 50 mL        | 54670        | 06/02/23 16:40       | KS      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 54733        | 06/05/23 13:10       | CH      | EET MID |

Client Sample ID: FL-07 @4'  
Date Collected: 06/01/23 12:00  
Date Received: 06/01/23 16:32

Lab Sample ID: 890-4769-13  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.98 g         | 5 mL         | 54723        | 06/05/23 09:33       | EL      | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 54717        | 06/05/23 12:53       | AJ      | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 54821        | 06/05/23 17:02       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 54803        | 06/05/23 16:57       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.02 g        | 10 mL        | 54721        | 06/05/23 09:17       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 54716        | 06/05/23 13:57       | SM      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.05 g         | 50 mL        | 54670        | 06/02/23 16:40       | KS      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 54733        | 06/05/23 13:15       | 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.  
Project/Site: Rocket Fed Com #5H

Job ID: 890-4769-1

Laboratory: Eurofins Midland

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

| Authority   | Program     | Identification Number | Expiration Date |
|---|-------------|-----------------------|-----------------|
| Texas   | NELAP       | T104704400-22-25      | 06-30-23        |
| The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification. |             |                       |                 |
| Analysis Method   | Prep Method | Matrix                | Analyte         |
| 8015 NM   |             | Solid                 | Total TPH       |
| Total BTEX  |             | Solid                 | Total BTEX      |

## Method Summary

Client: TRC Solutions, Inc.  
Project/Site: Rocket Fed Com #5H

Job ID: 890-4769-1

| 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 Carlsbad



Sample Summary

Client: TRC Solutions, Inc.  
Project/Site: Rocket Fed Com #5H

Job ID: 890-4769-1

| Lab Sample ID | Client Sample ID | Matrix | Collected      | Received       | Depth |
|---------------|------------------|--------|----------------|----------------|-------|
| 890-4769-1    | SW-01            | Solid  | 06/01/23 10:00 | 06/01/23 16:32 |       |
| 890-4769-2    | SW-02            | Solid  | 06/01/23 10:05 | 06/01/23 16:32 |       |
| 890-4769-3    | SW-03            | Solid  | 06/01/23 10:10 | 06/01/23 16:32 |       |
| 890-4769-4    | SW-04            | Solid  | 06/01/23 10:20 | 06/01/23 16:32 |       |
| 890-4769-5    | SW-05            | Solid  | 06/01/23 10:25 | 06/01/23 16:32 |       |
| 890-4769-6    | SW-06            | Solid  | 06/01/23 10:30 | 06/01/23 16:32 |       |
| 890-4769-7    | FL-01 @3'        | Solid  | 06/01/23 11:00 | 06/01/23 16:32 | 3     |
| 890-4769-8    | FL-02 @3'        | Solid  | 06/01/23 11:10 | 06/01/23 16:32 | 3     |
| 890-4769-9    | FL-03 @3'        | Solid  | 06/01/23 11:20 | 06/01/23 16:32 | 3     |
| 890-4769-10   | FL-04 @4'        | Solid  | 06/01/23 11:30 | 06/01/23 16:32 | 4     |
| 890-4769-11   | FL-05 @4'        | Solid  | 06/01/23 11:40 | 06/01/23 16:32 | 4     |
| 890-4769-12   | FL-06 @4'        | Solid  | 06/01/23 11:50 | 06/01/23 16:32 | 4     |
| 890-4769-13   | FL-07 @4'        | Solid  | 06/01/23 12:00 | 06/01/23 16:32 | 4     |



Environment Testing  
Xenco

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

Chain of Custody

Work Order No: \_\_\_\_\_

www.xenco.com Page 1 of 2

|                  |               |                         |                       |
|------------------|---------------|-------------------------|-----------------------|
| Project Manager: | Jared Stetzel | Bill to: (if different) | Same                  |
| Company Name:    | TRC           | Company Name:           |                       |
| Address:         | MIDLAND TX    | Address:                |                       |
| City, State ZIP: |               | City, State ZIP:        |                       |
| Phone:           | 432.238.3003  | Email:                  | Jared Stetzel@TRC.com |

|                     |          |           |             |
|---------------------|----------|-----------|-------------|
| Work Order Comments |          |           |             |
| Program:            | UST/PST  | PRP       | Brownfields |
| State of Project:   |          |           | RRC         |
| Reporting:          | Level II | Level III | PST/UST     |
| Deliverables:       | EDD      | ADAPT     | Other       |

|                           |   |   |            |
|---------------------------|---|---|------------|
| Project Name:             | Reactor Feed Cont #54   | Turn Around   | Pres. Code |
| Project Number:           |   | <input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush |            |
| Project Location:         |   | Due Date:   |            |
| Sample's Name:            | Reactor Feed  | TAT starts the day received by the lab, if received by 4:30pm             |            |
| P.O. #:                   |   | Wet Ice:  |            |
| SAMPLE RECEIPT            | Temp Blank: <input checked="" type="radio"/> Yes <input type="radio"/> No | Thermometer ID: 17M-009   |            |
| Samples Received In tact: | <input checked="" type="radio"/> Yes <input type="radio"/> No             | Correction Factor: -0.2   |            |
| Cooler Custody Seals:     | <input checked="" type="radio"/> Yes <input type="radio"/> No             | Temperature Reading: 2.4  |            |
| Sample Custody Seals:     | <input checked="" type="radio"/> Yes <input type="radio"/> No             | Temperature: 2.2  |            |
| Total Containers:         |   | Corrected Temperature:  |            |



890-4769 Chain of Custody

| Sample Identification | Matrix | Date Sampled | Time Sampled | Depth | Grab/Comp | # of Cont | Parameters  | ANALYSIS REQUEST | Preservative Codes  |
|-----------------------|--------|--------------|--------------|-------|-----------|-----------|-------------|------------------|---|
| SUB-01                | S      | 6.1.23       | 1005         | -     | Comp      | 1         | CHSOMIE 300 |                  | DI Water: H <sub>2</sub> O  |
| SUB-02                | S      | 6.1.23       | 1010         | -     | Comp      | 1         | BTEX 8021   |                  | MeOH: Me  |
| SUB-03                | S      | 6.1.23       | 1020         | -     | Comp      | 1         | TPH 8015    |                  | HCL: HC   |
| SUB-04                | S      | 6.1.23       | 1025         | -     | Comp      | 1         |             |                  | H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>                   |
| SUB-05                | S      | 6.1.23       | 1030         | -     | Comp      | 1         |             |                  | H <sub>3</sub> PO <sub>4</sub> : HP                               |
| SUB-06                | S      | 6.1.23       | 1100         | -     | Comp      | 1         |             |                  | NaHSO <sub>4</sub> : NABIS  |
| FL-01C31              | S      | 6.1.23       | 1110         | -     | Comp      | 1         |             |                  | Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NASO <sub>3</sub> |
| FL-02C31              | S      | 6.1.23       | 1120         | -     | Comp      | 1         |             |                  | Zn Acetate+NaOH: Zn   |
| FL-03C31              | S      | 6.1.23       | 1130         | -     | Comp      | 1         |             |                  | NaOH+Ascorbic Acid: SANC  |
| FL-04C41              | S      | 6.1.23       | 1130         | -     | Comp      | 1         |             |                  |   |

Total 2007/6010 2008/6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO<sub>2</sub> Na Sr Ti Sn U V Zn  
Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010 : 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg: 1631 / 245.1 / 7470 / 7471

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$3 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

|                              |                          |             |                              |                          |           |
|------------------------------|--------------------------|-------------|------------------------------|--------------------------|-----------|
| Relinquished by: (Signature) | Received by: (Signature) | Date/Time   | Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
| Jared Stetzel                | Jared Stetzel            | 6.1.23 1632 |                              |                          |           |
|                              |                          |             |                              |                          |           |
|                              |                          |             |                              |                          |           |
|                              |                          |             |                              |                          |           |



## Environment Testing

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

## Chain of Custody

Work Order No: \_\_\_\_\_

www.xenco.com Page \_\_\_\_ of \_\_\_\_

[illegible]

## Login Sample Receipt Checklist

Client: TRC Solutions, Inc.

Job Number: 890-4769-1

SDG Number:

Login Number: 4769

List Number: 1

Creator: Clifton, Cloe

List Source: Eurofins Carlsbad

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

## Login Sample Receipt Checklist

Client: TRC Solutions, Inc.

Job Number: 890-4769-1

SDG Number:

Login Number: 4769

List Number: 2

Creator: Rodriguez, Leticia

List Source: Eurofins Midland

List Creation: 06/05/23 09:16 AM

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





Environment Testing

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

# ANALYTICAL REPORT

## PREPARED FOR

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

Generated 6/7/2023 10:13:31 AM

## JOB DESCRIPTION

Rocket Fed 5H

## JOB NUMBER

880-29073-1

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  
6/7/2023 10:13:31 AM

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Client: TRC Solutions, Inc.  
Project/Site: Rocket Fed 5H

Laboratory Job ID: 880-29073-1

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|----|
| 1  |
| 2  |
| 3  |
| 4  |
| 5  |
| 6  |
| 7  |
| 8  |
| 9  |
| 10 |
| 11 |
| 12 |
| 13 |
| 14 |

# Table of Contents

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

Definitions/Glossary

Client: TRC Solutions, Inc.  
Project/Site: Rocket Fed 5H

Job ID: 880-29073-1

Qualifiers

GC/MS VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: TRC Solutions, Inc.  
Project/Site: Rocket Fed 5H

Job ID: 880-29073-1

Job ID: 880-29073-1

Laboratory: Eurofins Midland

Narrative

Job Narrative  
880-29073-1

Receipt

The samples were received on 6/5/2023 10:38 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 3.0°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: SW-07 (880-29073-1), SW-08 (880-29073-2), SW-09 (880-29073-3) and SW-10 (880-29073-4).

GC/MS VOA

Method 8260D: The following samples were diluted due to the nature of the sample matrix: (890-4774-A-3-A) and (890-4774-A-3-A MS). Elevated reporting limits (RLs) are provided. Sample was prepped with methanol from a bulk jar.

Method 8260D: The matrix spike (MS) recoveries for preparation batch 860-106236 and analytical batch 860-106343 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8260D: Sample is a bulk jar.SW-07 (880-29073-1), SW-08 (880-29073-2), SW-09 (880-29073-3) and SW-10 (880-29073-4)

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

GC Semi VOA

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

HPLC/IC

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: Rocket Fed 5H

Job ID: 880-29073-1

Client Sample ID: SW-07

Lab Sample ID: 880-29073-1

Date Collected: 06/01/23 14:44

Matrix: Solid

Date Received: 06/05/23 10:38

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

| Analyte        | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene        | <0.000990 | U         | 0.000990 | mg/Kg |   | 06/06/23 16:55 | 06/06/23 17:51 | 1       |
| Toluene        | <0.00495  | U         | 0.00495  | mg/Kg |   | 06/06/23 16:55 | 06/06/23 17:51 | 1       |
| Ethylbenzene   | <0.000990 | U         | 0.000990 | mg/Kg |   | 06/06/23 16:55 | 06/06/23 17:51 | 1       |
| m,p-Xylenes    | <0.00198  | U         | 0.00198  | mg/Kg |   | 06/06/23 16:55 | 06/06/23 17:51 | 1       |
| o-Xylene       | <0.000990 | U         | 0.000990 | mg/Kg |   | 06/06/23 16:55 | 06/06/23 17:51 | 1       |
| Xylenes, Total | <0.00198  | U         | 0.00198  | mg/Kg |   | 06/06/23 16:55 | 06/06/23 17:51 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 101       |           | 56 - 150 | 06/06/23 16:55 | 06/06/23 17:51 | 1       |
| 4-Bromofluorobenzene (Surr)  | 108       |           | 68 - 152 | 06/06/23 16:55 | 06/06/23 17:51 | 1       |
| Dibromofluoromethane (Surr)  | 101       |           | 53 - 142 | 06/06/23 16:55 | 06/06/23 17:51 | 1       |
| Toluene-d8 (Surr)            | 103       |           | 70 - 130 | 06/06/23 16:55 | 06/06/23 17:51 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00198 | U         | 0.00198 | mg/Kg |   |          | 06/07/23 11:05 | 1       |

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

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.8  | U         | 49.8 | mg/Kg |   |          | 06/06/23 13:35 | 1       |

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

| Analyte                              | Result | Qualifier | RL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.8  | U         | 49.8 | mg/Kg |   | 06/06/23 09:42 | 06/06/23 11:00 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.8  | U         | 49.8 | mg/Kg |   | 06/06/23 09:42 | 06/06/23 11:00 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.8  | U         | 49.8 | mg/Kg |   | 06/06/23 09:42 | 06/06/23 11:00 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 99        |           | 70 - 130 | 06/06/23 09:42 | 06/06/23 11:00 | 1       |
| o-Terphenyl    | 100       |           | 70 - 130 | 06/06/23 09:42 | 06/06/23 11:00 | 1       |

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

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 53.6   |           | 5.04 | mg/Kg |   |          | 06/06/23 08:26 | 1       |

Client Sample ID: SW-08

Lab Sample ID: 880-29073-2

Date Collected: 06/01/23 14:55

Matrix: Solid

Date Received: 06/05/23 10:38

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

| Analyte        | Result   | Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene        | <0.00101 | U         | 0.00101 | mg/Kg |   | 06/06/23 16:55 | 06/06/23 18:15 | 1       |
| Toluene        | <0.00503 | U         | 0.00503 | mg/Kg |   | 06/06/23 16:55 | 06/06/23 18:15 | 1       |
| Ethylbenzene   | <0.00101 | U         | 0.00101 | mg/Kg |   | 06/06/23 16:55 | 06/06/23 18:15 | 1       |
| m,p-Xylenes    | <0.00201 | U         | 0.00201 | mg/Kg |   | 06/06/23 16:55 | 06/06/23 18:15 | 1       |
| o-Xylene       | <0.00101 | U         | 0.00101 | mg/Kg |   | 06/06/23 16:55 | 06/06/23 18:15 | 1       |
| Xylenes, Total | <0.00201 | U         | 0.00201 | mg/Kg |   | 06/06/23 16:55 | 06/06/23 18:15 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 104       |           | 56 - 150 | 06/06/23 16:55 | 06/06/23 18:15 | 1       |

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## Client Sample Results

Client: TRC Solutions, Inc.  
Project/Site: Rocket Fed 5H

Job ID: 880-29073-1

Client Sample ID: SW-08

Lab Sample ID: 880-29073-2

Date Collected: 06/01/23 14:55

Matrix: Solid

Date Received: 06/05/23 10:38

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 105       |           | 68 - 152 | 06/06/23 16:55 | 06/06/23 18:15 | 1       |
| Dibromofluoromethane (Surr) | 99        |           | 53 - 142 | 06/06/23 16:55 | 06/06/23 18:15 | 1       |
| Toluene-d8 (Surr)           | 101       |           | 70 - 130 | 06/06/23 16:55 | 06/06/23 18:15 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00201 | U         | 0.00201 | mg/Kg |   |          | 06/07/23 11:05 | 1       |

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

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.9  | U         | 49.9 | mg/Kg |   |          | 06/06/23 13:35 | 1       |

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

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9     | U         | 49.9     | mg/Kg |   | 06/06/23 09:42 | 06/06/23 12:05 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9     | U         | 49.9     | mg/Kg |   | 06/06/23 09:42 | 06/06/23 12:05 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9     | U         | 49.9     | mg/Kg |   | 06/06/23 09:42 | 06/06/23 12:05 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 104       |           | 70 - 130 |       |   | 06/06/23 09:42 | 06/06/23 12:05 | 1       |
| o-Terphenyl                          | 105       |           | 70 - 130 |       |   | 06/06/23 09:42 | 06/06/23 12:05 | 1       |

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

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 395    |           | 5.02 | mg/Kg |   |          | 06/06/23 08:31 | 1       |

Client Sample ID: SW-09

Lab Sample ID: 880-29073-3

Date Collected: 06/01/23 15:15

Matrix: Solid

Date Received: 06/05/23 10:38

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

| Analyte                      | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                      | <0.00101  | U         | 0.00101  | mg/Kg |   | 06/06/23 16:55 | 06/06/23 18:40 | 1       |
| Toluene                      | <0.00504  | U         | 0.00504  | mg/Kg |   | 06/06/23 16:55 | 06/06/23 18:40 | 1       |
| Ethylbenzene                 | <0.00101  | U         | 0.00101  | mg/Kg |   | 06/06/23 16:55 | 06/06/23 18:40 | 1       |
| m,p-Xylenes                  | <0.00202  | U         | 0.00202  | mg/Kg |   | 06/06/23 16:55 | 06/06/23 18:40 | 1       |
| o-Xylene                     | <0.00101  | U         | 0.00101  | mg/Kg |   | 06/06/23 16:55 | 06/06/23 18:40 | 1       |
| Xylenes, Total               | <0.00202  | U         | 0.00202  | mg/Kg |   | 06/06/23 16:55 | 06/06/23 18:40 | 1       |
| Surrogate                    | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1,2-Dichloroethane-d4 (Surr) | 103       |           | 56 - 150 |       |   | 06/06/23 16:55 | 06/06/23 18:40 | 1       |
| 4-Bromofluorobenzene (Surr)  | 102       |           | 68 - 152 |       |   | 06/06/23 16:55 | 06/06/23 18:40 | 1       |
| Dibromofluoromethane (Surr)  | 102       |           | 53 - 142 |       |   | 06/06/23 16:55 | 06/06/23 18:40 | 1       |
| Toluene-d8 (Surr)            | 100       |           | 70 - 130 |       |   | 06/06/23 16:55 | 06/06/23 18:40 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00202 | U         | 0.00202 | mg/Kg |   |          | 06/07/23 11:05 | 1       |

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## Client Sample Results

Client: TRC Solutions, Inc.  
Project/Site: Rocket Fed 5H

Job ID: 880-29073-1

Client Sample ID: SW-09

Lab Sample ID: 880-29073-3

Date Collected: 06/01/23 15:15

Matrix: Solid

Date Received: 06/05/23 10:38

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

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <50.0  | U         | 50.0 | mg/Kg |   |          | 06/06/23 13:35 | 1       |

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

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0     | U         | 50.0     | mg/Kg |   | 06/06/23 09:42 | 06/06/23 12:26 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0     | U         | 50.0     | mg/Kg |   | 06/06/23 09:42 | 06/06/23 12:26 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0     | U         | 50.0     | mg/Kg |   | 06/06/23 09:42 | 06/06/23 12:26 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 102       |           | 70 - 130 |       |   | 06/06/23 09:42 | 06/06/23 12:26 | 1       |
| o-Terphenyl                          | 102       |           | 70 - 130 |       |   | 06/06/23 09:42 | 06/06/23 12:26 | 1       |

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

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 282    |           | 5.02 | mg/Kg |   |          | 06/06/23 08:37 | 1       |

Client Sample ID: SW-10

Lab Sample ID: 880-29073-4

Date Collected: 06/01/23 15:20

Matrix: Solid

Date Received: 06/05/23 10:38

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

| Analyte                      | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                      | <0.000996 | U         | 0.000996 | mg/Kg |   | 06/06/23 16:55 | 06/06/23 19:04 | 1       |
| Toluene                      | <0.00498  | U         | 0.00498  | mg/Kg |   | 06/06/23 16:55 | 06/06/23 19:04 | 1       |
| Ethylbenzene                 | <0.000996 | U         | 0.000996 | mg/Kg |   | 06/06/23 16:55 | 06/06/23 19:04 | 1       |
| m,p-Xylenes                  | <0.00199  | U         | 0.00199  | mg/Kg |   | 06/06/23 16:55 | 06/06/23 19:04 | 1       |
| o-Xylene                     | <0.000996 | U         | 0.000996 | mg/Kg |   | 06/06/23 16:55 | 06/06/23 19:04 | 1       |
| Xylenes, Total               | <0.00199  | U         | 0.00199  | mg/Kg |   | 06/06/23 16:55 | 06/06/23 19:04 | 1       |
| Surrogate                    | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1,2-Dichloroethane-d4 (Surr) | 99        |           | 56 - 150 |       |   | 06/06/23 16:55 | 06/06/23 19:04 | 1       |
| 4-Bromofluorobenzene (Surr)  | 99        |           | 68 - 152 |       |   | 06/06/23 16:55 | 06/06/23 19:04 | 1       |
| Dibromofluoromethane (Surr)  | 98        |           | 53 - 142 |       |   | 06/06/23 16:55 | 06/06/23 19:04 | 1       |
| Toluene-d8 (Surr)            | 100       |           | 70 - 130 |       |   | 06/06/23 16:55 | 06/06/23 19:04 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00199 | U         | 0.00199 | mg/Kg |   |          | 06/07/23 11:05 | 1       |

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

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <50.0  | U         | 50.0 | mg/Kg |   |          | 06/06/23 13:35 | 1       |

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

| Analyte                              | Result | Qualifier | RL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0  | U         | 50.0 | mg/Kg |   | 06/06/23 09:42 | 06/06/23 12:48 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0  | U         | 50.0 | mg/Kg |   | 06/06/23 09:42 | 06/06/23 12:48 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0  | U         | 50.0 | mg/Kg |   | 06/06/23 09:42 | 06/06/23 12:48 | 1       |

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Client Sample Results

Client: TRC Solutions, Inc.  
Project/Site: Rocket Fed 5H

Job ID: 880-29073-1

Client Sample ID: SW-10  
Date Collected: 06/01/23 15:20  
Date Received: 06/05/23 10:38

Lab Sample ID: 880-29073-4  
Matrix: Solid

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 103       |           | 70 - 130 | 06/06/23 09:42 | 06/06/23 12:48 | 1       |
| o-Terphenyl    | 105       |           | 70 - 130 | 06/06/23 09:42 | 06/06/23 12:48 | 1       |

| Method: EPA 300.0 - Anions, Ion Chromatography - Soluble |        |           |      |       |   |          |                |         |
|--|--------|-----------|------|-------|---|----------|----------------|---------|
| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
| Chloride   | 844    |           | 5.00 | mg/Kg |   |          | 06/06/23 08:42 | 1       |

Surrogate Summary

Client: TRC Solutions, Inc.  
Project/Site: Rocket Fed 5H

Job ID: 880-29073-1

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

Matrix: Solid

Prep Type: Total/NA

|                                    |                        | Percent Surrogate Recovery (Acceptance Limits) |          |          |          |
|------------------------------------|------------------------|--|----------|----------|----------|
| Lab Sample ID                      | Client Sample ID       | DCA  | BFB      | DBFM     | TOL      |
|                                    |                        | (56-150)                                       | (68-152) | (53-142) | (70-130) |
| 880-29073-1                        | SW-07                  | 101  | 108      | 101      | 103      |
| 880-29073-2                        | SW-08                  | 104  | 105      | 99       | 101      |
| 880-29073-3                        | SW-09                  | 103  | 102      | 102      | 100      |
| 880-29073-4                        | SW-10                  | 99   | 99       | 98       | 100      |
| 890-4774-A-3-A MS                  | Matrix Spike           | 103  | 116      | 107      | 103      |
| LCS 860-106343/11                  | Lab Control Sample     | 102  | 108      | 109      | 102      |
| LCSD 860-106343/12                 | Lab Control Sample Dup | 103  | 107      | 109      | 102      |
| MB 860-106343/15                   | Method Blank           | 95   | 104      | 101      | 100      |
| Surrogate Legend                   |                        |  |          |          |          |
| DCA = 1,2-Dichloroethane-d4 (Surr) |                        |  |          |          |          |
| BFB = 4-Bromofluorobenzene (Surr)  |                        |  |          |          |          |
| DBFM = Dibromofluoromethane (Surr) |                        |  |          |          |          |
| TOL = Toluene-d8 (Surr)            |                        |  |          |          |          |

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

Matrix: Solid

Prep Type: Total/NA

|                      |                        | Percent Surrogate Recovery (Acceptance Limits) |          |
|----------------------|------------------------|--|----------|
| Lab Sample ID        | Client Sample ID       | 1CO1   | OTPH1    |
|                      |                        | (70-130)                                       | (70-130) |
| 880-29073-1          | SW-07                  | 99   | 100      |
| 880-29073-1 MS       | SW-07                  | 111  | 105      |
| 880-29073-1 MSD      | SW-07                  | 113  | 104      |
| 880-29073-2          | SW-08                  | 104  | 105      |
| 880-29073-3          | SW-09                  | 102  | 102      |
| 880-29073-4          | SW-10                  | 103  | 105      |
| LCS 880-54840/2-A    | Lab Control Sample     | 105  | 99       |
| LCSD 880-54840/3-A   | Lab Control Sample Dup | 103  | 97       |
| MB 880-54840/1-A     | Method Blank           | 115  | 118      |
| Surrogate Legend     |                        |  |          |
| 1CO = 1-Chlorooctane |                        |  |          |
| OTPH = o-Terphenyl   |                        |  |          |



## QC Sample Results

Client: TRC Solutions, Inc.  
Project/Site: Rocket Fed 5H

Job ID: 880-29073-1

## Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: 890-4774-A-3-A MS

Matrix: Solid

Analysis Batch: 106343

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 106236

| Analyte      | Sample | Sample    | Spike | MS     | MS        | Unit  | D | %Rec | %Rec     |  |
|--------------|--------|-----------|-------|--------|-----------|-------|---|------|----------|--|
|              | Result | Qualifier | Added | Result | Qualifier |       |   |      | Limits   |  |
| Benzene      | 0.294  | F1        | 2.48  | 1.992  | F1        | mg/Kg |   | 69   | 71 - 119 |  |
| Toluene      | 0.561  | F1        | 2.48  | 2.295  | F1        | mg/Kg |   | 70   | 74 - 122 |  |
| Ethylbenzene | 0.225  | F1        | 2.48  | 2.156  | F1        | mg/Kg |   | 78   | 80 - 123 |  |
| m,p-Xylenes  | 0.413  |           | 2.48  | 2.382  |           | mg/Kg |   | 80   | 78 - 127 |  |
| o-Xylene     | 0.155  |           | 2.48  | 2.130  |           | mg/Kg |   | 80   | 79 - 125 |  |

| Surrogate                    | MS        | MS        | Limits   |
|------------------------------|-----------|-----------|----------|
|                              | %Recovery | Qualifier |          |
| 1,2-Dichloroethane-d4 (Surr) | 103       |           | 56 - 150 |
| 4-Bromofluorobenzene (Surr)  | 116       |           | 68 - 152 |
| Dibromofluoromethane (Surr)  | 107       |           | 53 - 142 |
| Toluene-d8 (Surr)            | 103       |           | 70 - 130 |

Lab Sample ID: MB 860-106343/15

Matrix: Solid

Analysis Batch: 106343

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte        | MB       | MB        | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------------|----------|-----------|---------|-------|---|----------|----------------|---------|
|                | Result   | Qualifier |         |       |   |          |                |         |
| Benzene        | <0.00100 | U         | 0.00100 | mg/Kg |   |          | 06/06/23 11:48 | 1       |
| Toluene        | <0.00500 | U         | 0.00500 | mg/Kg |   |          | 06/06/23 11:48 | 1       |
| Ethylbenzene   | <0.00100 | U         | 0.00100 | mg/Kg |   |          | 06/06/23 11:48 | 1       |
| m,p-Xylenes    | <0.00200 | U         | 0.00200 | mg/Kg |   |          | 06/06/23 11:48 | 1       |
| o-Xylene       | <0.00100 | U         | 0.00100 | mg/Kg |   |          | 06/06/23 11:48 | 1       |
| Xylenes, Total | <0.00200 | U         | 0.00200 | mg/Kg |   |          | 06/06/23 11:48 | 1       |

| Surrogate                    | MB        | MB        | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
|                              | %Recovery | Qualifier |          |          |                |         |
| 1,2-Dichloroethane-d4 (Surr) | 95        |           | 56 - 150 |          | 06/06/23 11:48 | 1       |
| 4-Bromofluorobenzene (Surr)  | 104       |           | 68 - 152 |          | 06/06/23 11:48 | 1       |
| Dibromofluoromethane (Surr)  | 101       |           | 53 - 142 |          | 06/06/23 11:48 | 1       |
| Toluene-d8 (Surr)            | 100       |           | 70 - 130 |          | 06/06/23 11:48 | 1       |

Lab Sample ID: LCS 860-106343/11

Matrix: Solid

Analysis Batch: 106343

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte      | Spike  | LCS     | LCS       | Unit  | D | %Rec | %Rec     |  |
|--------------|--------|---------|-----------|-------|---|------|----------|--|
|              | Added  | Result  | Qualifier |       |   |      | Limits   |  |
| Benzene      | 0.0500 | 0.05247 |           | mg/Kg |   | 105  | 66 - 142 |  |
| Toluene      | 0.0500 | 0.05155 |           | mg/Kg |   | 103  | 74 - 130 |  |
| Ethylbenzene | 0.0500 | 0.05766 |           | mg/Kg |   | 115  | 80 - 130 |  |
| m,p-Xylenes  | 0.0500 | 0.05772 |           | mg/Kg |   | 115  | 78 - 130 |  |
| o-Xylene     | 0.0500 | 0.05813 |           | mg/Kg |   | 116  | 79 - 130 |  |

| Surrogate                    | LCS       | LCS       | Limits   |
|------------------------------|-----------|-----------|----------|
|                              | %Recovery | Qualifier |          |
| 1,2-Dichloroethane-d4 (Surr) | 102       |           | 56 - 150 |
| 4-Bromofluorobenzene (Surr)  | 108       |           | 68 - 152 |
| Dibromofluoromethane (Surr)  | 109       |           | 53 - 142 |
| Toluene-d8 (Surr)            | 102       |           | 70 - 130 |

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## QC Sample Results

Client: TRC Solutions, Inc.  
Project/Site: Rocket Fed 5H

Job ID: 880-29073-1

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

Lab Sample ID: LCSD 860-106343/12

Matrix: Solid

Analysis Batch: 106343

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte      | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------|-------------|-------------|----------------|-------|---|------|-------------|-----|-----------|
| Benzene      | 0.0500      | 0.05431     |                | mg/Kg |   | 109  | 66 - 142    | 3   | 25        |
| Toluene      | 0.0500      | 0.05021     |                | mg/Kg |   | 100  | 74 - 130    | 3   | 25        |
| Ethylbenzene | 0.0500      | 0.05537     |                | mg/Kg |   | 111  | 80 - 130    | 4   | 25        |
| m,p-Xylenes  | 0.0500      | 0.05621     |                | mg/Kg |   | 112  | 78 - 130    | 3   | 25        |
| o-Xylene     | 0.0500      | 0.05611     |                | mg/Kg |   | 112  | 79 - 130    | 4   | 25        |

| Surrogate                    | LCSD %Recovery | LCSD Qualifier | Limits   |
|------------------------------|----------------|----------------|----------|
| 1,2-Dichloroethane-d4 (Surr) | 103            |                | 56 - 150 |
| 4-Bromofluorobenzene (Surr)  | 107            |                | 68 - 152 |
| Dibromofluoromethane (Surr)  | 109            |                | 53 - 142 |
| Toluene-d8 (Surr)            | 102            |                | 70 - 130 |

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

Lab Sample ID: MB 880-54840/1-A

Matrix: Solid

Analysis Batch: 54827

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 54840

| Analyte                              | MB Result | MB Qualifier | RL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|--------------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0     | U            | 50.0 | mg/Kg |   | 06/06/23 08:00 | 06/06/23 08:28 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0     | U            | 50.0 | mg/Kg |   | 06/06/23 08:00 | 06/06/23 08:28 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0     | U            | 50.0 | mg/Kg |   | 06/06/23 08:00 | 06/06/23 08:28 | 1       |

| Surrogate      | MB %Recovery | MB Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|--------------|--------------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 115          |              | 70 - 130 | 06/06/23 08:00 | 06/06/23 08:28 | 1       |
| o-Terphenyl    | 118          |              | 70 - 130 | 06/06/23 08:00 | 06/06/23 08:28 | 1       |

Lab Sample ID: LCS 880-54840/2-A

Matrix: Solid

Analysis Batch: 54827

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 54840

| Analyte                              | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |
|--------------------------------------|-------------|------------|---------------|-------|---|------|-------------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000        | 940.0      |               | mg/Kg |   | 94   | 70 - 130    |
| Diesel Range Organics (Over C10-C28) | 1000        | 820.3      |               | mg/Kg |   | 82   | 70 - 130    |

| Surrogate      | LCS %Recovery | LCS Qualifier | Limits   |
|----------------|---------------|---------------|----------|
| 1-Chlorooctane | 105           |               | 70 - 130 |
| o-Terphenyl    | 99            |               | 70 - 130 |

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QC Sample Results

Client: TRC Solutions, Inc.  
Project/Site: Rocket Fed 5H

Job ID: 880-29073-1

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

|                                      |  |                |                |  |                |       |   |      |             |     |           |
|--------------------------------------|--|----------------|----------------|--|----------------|-------|---|------|-------------|-----|-----------|
| Lab Sample ID: LCSD 880-54840/3-A    |  |                |                | Client Sample ID: Lab Control Sample Dup |                |       |   |      |             |     |           |
| Matrix: Solid                        |  |                |                | Prep Type: Total/NA                      |                |       |   |      |             |     |           |
| Analysis Batch: 54827                |  |                |                | Prep Batch: 54840                        |                |       |   |      |             |     |           |
| Analyte                              |  |                | Spike Added    | LCSD Result                              | LCSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
| Gasoline Range Organics (GRO)-C6-C10 |  |                | 1000           | 890.5                                    |                | mg/Kg |   | 89   | 70 - 130    | 5   | 20        |
| Diesel Range Organics (Over C10-C28) |  |                | 1000           | 788.6                                    |                | mg/Kg |   | 79   | 70 - 130    | 4   | 20        |
|                                      |  |                |                |  |                |       |   |      |             |     |           |
|                                      |  |                |                |  |                |       |   |      |             |     |           |
| Surrogate                            |  | LCSD %Recovery | LCSD Qualifier | Limits                                   |                |       |   |      |             |     |           |
| 1-Chlorooctane                       |  | 103            |                | 70 - 130                                 |                |       |   |      |             |     |           |
| o-Terphenyl                          |  | 97             |                | 70 - 130                                 |                |       |   |      |             |     |           |

|                                      |               |                  |              |                         |              |       |   |      |             |  |  |
|--------------------------------------|---------------|------------------|--------------|-------------------------|--------------|-------|---|------|-------------|--|--|
| Lab Sample ID: 880-29073-1 MS        |               |                  |              | Client Sample ID: SW-07 |              |       |   |      |             |  |  |
| Matrix: Solid                        |               |                  |              | Prep Type: Total/NA     |              |       |   |      |             |  |  |
| Analysis Batch: 54827                |               |                  |              | Prep Batch: 54840       |              |       |   |      |             |  |  |
| Analyte                              | Sample Result | Sample Qualifier | Spike Added  | MS Result               | MS Qualifier | Unit  | D | %Rec | %Rec Limits |  |  |
| Gasoline Range Organics (GRO)-C6-C10 | <49.8         | U                | 999          | 955.4                   |              | mg/Kg |   | 96   | 70 - 130    |  |  |
| Diesel Range Organics (Over C10-C28) | <49.8         | U                | 999          | 856.4                   |              | mg/Kg |   | 84   | 70 - 130    |  |  |
|                                      |               |                  |              |                         |              |       |   |      |             |  |  |
|                                      |               |                  |              |                         |              |       |   |      |             |  |  |
| Surrogate                            |               | MS %Recovery     | MS Qualifier | Limits                  |              |       |   |      |             |  |  |
| 1-Chlorooctane                       |               | 111              |              | 70 - 130                |              |       |   |      |             |  |  |
| o-Terphenyl                          |               | 105              |              | 70 - 130                |              |       |   |      |             |  |  |

|                                      |               |                  |               |                         |               |       |   |      |             |     |           |
|--------------------------------------|---------------|------------------|---------------|-------------------------|---------------|-------|---|------|-------------|-----|-----------|
| Lab Sample ID: 880-29073-1 MSD       |               |                  |               | Client Sample ID: SW-07 |               |       |   |      |             |     |           |
| Matrix: Solid                        |               |                  |               | Prep Type: Total/NA     |               |       |   |      |             |     |           |
| Analysis Batch: 54827                |               |                  |               | Prep Batch: 54840       |               |       |   |      |             |     |           |
| Analyte                              | Sample Result | Sample Qualifier | Spike Added   | MSD Result              | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
| Gasoline Range Organics (GRO)-C6-C10 | <49.8         | U                | 997           | 967.3                   |               | mg/Kg |   | 97   | 70 - 130    | 1   | 20        |
| Diesel Range Organics (Over C10-C28) | <49.8         | U                | 997           | 854.8                   |               | mg/Kg |   | 84   | 70 - 130    | 0   | 20        |
|                                      |               |                  |               |                         |               |       |   |      |             |     |           |
|                                      |               |                  |               |                         |               |       |   |      |             |     |           |
| Surrogate                            |               | MSD %Recovery    | MSD Qualifier | Limits                  |               |       |   |      |             |     |           |
| 1-Chlorooctane                       |               | 113              |               | 70 - 130                |               |       |   |      |             |     |           |
| o-Terphenyl                          |               | 104              |               | 70 - 130                |               |       |   |      |             |     |           |

Method: 300.0 - Anions, Ion Chromatography

|                                 |           |              |      |                                |   |          |                |         |  |  |  |
|---------------------------------|-----------|--------------|------|--------------------------------|---|----------|----------------|---------|--|--|--|
| Lab Sample ID: MB 880-54671/1-A |           |              |      | Client Sample ID: Method Blank |   |          |                |         |  |  |  |
| Matrix: Solid                   |           |              |      | Prep Type: Soluble             |   |          |                |         |  |  |  |
| Analysis Batch: 54785           |           |              |      |                                |   |          |                |         |  |  |  |
| Analyte                         | MB Result | MB Qualifier | RL   | Unit                           | D | Prepared | Analyzed       | Dil Fac |  |  |  |
| Chloride                        | <5.00     | U            | 5.00 | mg/Kg                          |   |          | 06/05/23 18:20 | 1       |  |  |  |

QC Sample Results

Client: TRC Solutions, Inc.  
Project/Site: Rocket Fed 5H

Job ID: 880-29073-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

|                                  |  |  |             |                                      |               |       |   |      |             |  |  |
|----------------------------------|--|--|-------------|--------------------------------------|---------------|-------|---|------|-------------|--|--|
| Lab Sample ID: LCS 880-54671/2-A |  |  |             | Client Sample ID: Lab Control Sample |               |       |   |      |             |  |  |
| Matrix: Solid                    |  |  |             | Prep Type: Soluble                   |               |       |   |      |             |  |  |
| Analysis Batch: 54785            |  |  |             |                                      |               |       |   |      |             |  |  |
| Analyte                          |  |  | Spike Added | LCS Result                           | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |  |  |
| Chloride                         |  |  | 250         | 249.6                                |               | mg/Kg |   | 100  | 90 - 110    |  |  |

|                                   |  |  |             |  |                |       |   |      |             |     |           |
|-----------------------------------|--|--|-------------|--|----------------|-------|---|------|-------------|-----|-----------|
| Lab Sample ID: LCSD 880-54671/3-A |  |  |             | Client Sample ID: Lab Control Sample Dup |                |       |   |      |             |     |           |
| Matrix: Solid                     |  |  |             | Prep Type: Soluble                       |                |       |   |      |             |     |           |
| Analysis Batch: 54785             |  |  |             |  |                |       |   |      |             |     |           |
| Analyte                           |  |  | Spike Added | LCSD Result                              | LCSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
| Chloride                          |  |  | 250         | 250.3                                    |                | mg/Kg |   | 100  | 90 - 110    | 0   | 20        |

|                                  |               |                  |             |                                |              |       |   |      |             |  |  |
|----------------------------------|---------------|------------------|-------------|--------------------------------|--------------|-------|---|------|-------------|--|--|
| Lab Sample ID: 890-4773-A-1-B MS |               |                  |             | Client Sample ID: Matrix Spike |              |       |   |      |             |  |  |
| Matrix: Solid                    |               |                  |             | Prep Type: Soluble             |              |       |   |      |             |  |  |
| Analysis Batch: 54785            |               |                  |             |                                |              |       |   |      |             |  |  |
| Analyte                          | Sample Result | Sample Qualifier | Spike Added | MS Result                      | MS Qualifier | Unit  | D | %Rec | %Rec Limits |  |  |
| Chloride                         | 389           |                  | 250         | 624.9                          |              | mg/Kg |   | 95   | 90 - 110    |  |  |

|                                   |               |                  |             |  |               |       |   |      |             |     |           |
|-----------------------------------|---------------|------------------|-------------|--|---------------|-------|---|------|-------------|-----|-----------|
| Lab Sample ID: 890-4773-A-1-C MSD |               |                  |             | Client Sample ID: Matrix Spike Duplicate |               |       |   |      |             |     |           |
| Matrix: Solid                     |               |                  |             | Prep Type: Soluble                       |               |       |   |      |             |     |           |
| Analysis Batch: 54785             |               |                  |             |  |               |       |   |      |             |     |           |
| Analyte                           | Sample Result | Sample Qualifier | Spike Added | MSD Result                               | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
| Chloride                          | 389           |                  | 250         | 624.9                                    |               | mg/Kg |   | 95   | 90 - 110    | 0   | 20        |

## QC Association Summary

Client: TRC Solutions, Inc.  
Project/Site: Rocket Fed 5H

Job ID: 880-29073-1

## GC/MS VOA

## Prep Batch: 106236

| Lab Sample ID     | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------|-----------|--------|--------|------------|
| 890-4774-A-3-A MS | Matrix Spike     | Total/NA  | Solid  | 5035   |            |

## Analysis Batch: 106343

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 880-29073-1        | SW-07                  | Total/NA  | Solid  | 8260D  | 106420     |
| 880-29073-2        | SW-08                  | Total/NA  | Solid  | 8260D  | 106420     |
| 880-29073-3        | SW-09                  | Total/NA  | Solid  | 8260D  | 106420     |
| 880-29073-4        | SW-10                  | Total/NA  | Solid  | 8260D  | 106420     |
| MB 860-106343/15   | Method Blank           | Total/NA  | Solid  | 8260D  |            |
| LCS 860-106343/11  | Lab Control Sample     | Total/NA  | Solid  | 8260D  |            |
| LCSD 860-106343/12 | Lab Control Sample Dup | Total/NA  | Solid  | 8260D  |            |
| 890-4774-A-3-A MS  | Matrix Spike           | Total/NA  | Solid  | 8260D  | 106236     |

## Prep Batch: 106420

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|--------|------------|
| 880-29073-1   | SW-07            | Total/NA  | Solid  | 5035   |            |
| 880-29073-2   | SW-08            | Total/NA  | Solid  | 5035   |            |
| 880-29073-3   | SW-09            | Total/NA  | Solid  | 5035   |            |
| 880-29073-4   | SW-10            | Total/NA  | Solid  | 5035   |            |

## Analysis Batch: 106596

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method     | Prep Batch |
|---------------|------------------|-----------|--------|------------|------------|
| 880-29073-1   | SW-07            | Total/NA  | Solid  | Total BTEX |            |
| 880-29073-2   | SW-08            | Total/NA  | Solid  | Total BTEX |            |
| 880-29073-3   | SW-09            | Total/NA  | Solid  | Total BTEX |            |
| 880-29073-4   | SW-10            | Total/NA  | Solid  | Total BTEX |            |

## GC Semi VOA

## Analysis Batch: 54827

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| 880-29073-1        | SW-07                  | Total/NA  | Solid  | 8015B NM | 54840      |
| 880-29073-2        | SW-08                  | Total/NA  | Solid  | 8015B NM | 54840      |
| 880-29073-3        | SW-09                  | Total/NA  | Solid  | 8015B NM | 54840      |
| 880-29073-4        | SW-10                  | Total/NA  | Solid  | 8015B NM | 54840      |
| MB 880-54840/1-A   | Method Blank           | Total/NA  | Solid  | 8015B NM | 54840      |
| LCS 880-54840/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015B NM | 54840      |
| LCSD 880-54840/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015B NM | 54840      |
| 880-29073-1 MS     | SW-07                  | Total/NA  | Solid  | 8015B NM | 54840      |
| 880-29073-1 MSD    | SW-07                  | Total/NA  | Solid  | 8015B NM | 54840      |

## Prep Batch: 54840

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method      | Prep Batch |
|--------------------|------------------------|-----------|--------|-------------|------------|
| 880-29073-1        | SW-07                  | Total/NA  | Solid  | 8015NM Prep |            |
| 880-29073-2        | SW-08                  | Total/NA  | Solid  | 8015NM Prep |            |
| 880-29073-3        | SW-09                  | Total/NA  | Solid  | 8015NM Prep |            |
| 880-29073-4        | SW-10                  | Total/NA  | Solid  | 8015NM Prep |            |
| MB 880-54840/1-A   | Method Blank           | Total/NA  | Solid  | 8015NM Prep |            |
| LCS 880-54840/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015NM Prep |            |
| LCSD 880-54840/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015NM Prep |            |
| 880-29073-1 MS     | SW-07                  | Total/NA  | Solid  | 8015NM Prep |            |

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QC Association Summary

Client: TRC Solutions, Inc.  
Project/Site: Rocket Fed 5H

Job ID: 880-29073-1

GC Semi VOA (Continued)

Prep Batch: 54840 (Continued)

| Lab Sample ID   | Client Sample ID | Prep Type | Matrix | Method      | Prep Batch |
|-----------------|------------------|-----------|--------|-------------|------------|
| 880-29073-1 MSD | SW-07            | Total/NA  | Solid  | 8015NM Prep |            |

Analysis Batch: 54887

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method  | Prep Batch |
|---------------|------------------|-----------|--------|---------|------------|
| 880-29073-1   | SW-07            | Total/NA  | Solid  | 8015 NM |            |
| 880-29073-2   | SW-08            | Total/NA  | Solid  | 8015 NM |            |
| 880-29073-3   | SW-09            | Total/NA  | Solid  | 8015 NM |            |
| 880-29073-4   | SW-10            | Total/NA  | Solid  | 8015 NM |            |

HPLC/IC

Leach Batch: 54671

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| 880-29073-1        | SW-07                  | Soluble   | Solid  | DI Leach |            |
| 880-29073-2        | SW-08                  | Soluble   | Solid  | DI Leach |            |
| 880-29073-3        | SW-09                  | Soluble   | Solid  | DI Leach |            |
| 880-29073-4        | SW-10                  | Soluble   | Solid  | DI Leach |            |
| MB 880-54671/1-A   | Method Blank           | Soluble   | Solid  | DI Leach |            |
| LCS 880-54671/2-A  | Lab Control Sample     | Soluble   | Solid  | DI Leach |            |
| LCSD 880-54671/3-A | Lab Control Sample Dup | Soluble   | Solid  | DI Leach |            |
| 890-4773-A-1-B MS  | Matrix Spike           | Soluble   | Solid  | DI Leach |            |
| 890-4773-A-1-C MSD | Matrix Spike Duplicate | Soluble   | Solid  | DI Leach |            |

Analysis Batch: 54785

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 880-29073-1        | SW-07                  | Soluble   | Solid  | 300.0  | 54671      |
| 880-29073-2        | SW-08                  | Soluble   | Solid  | 300.0  | 54671      |
| 880-29073-3        | SW-09                  | Soluble   | Solid  | 300.0  | 54671      |
| 880-29073-4        | SW-10                  | Soluble   | Solid  | 300.0  | 54671      |
| MB 880-54671/1-A   | Method Blank           | Soluble   | Solid  | 300.0  | 54671      |
| LCS 880-54671/2-A  | Lab Control Sample     | Soluble   | Solid  | 300.0  | 54671      |
| LCSD 880-54671/3-A | Lab Control Sample Dup | Soluble   | Solid  | 300.0  | 54671      |
| 890-4773-A-1-B MS  | Matrix Spike           | Soluble   | Solid  | 300.0  | 54671      |
| 890-4773-A-1-C MSD | Matrix Spike Duplicate | Soluble   | Solid  | 300.0  | 54671      |

Lab Chronicle

Client: TRC Solutions, Inc.  
Project/Site: Rocket Fed 5H

Job ID: 880-29073-1

Client Sample ID: SW-07

Lab Sample ID: 880-29073-1

Date Collected: 06/01/23 14:44

Matrix: Solid

Date Received: 06/05/23 10:38

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.05 g         | 5 mL         | 106420       | 06/06/23 16:55       | MTMG    | EET HOU |
| Total/NA  | Analysis   | 8260D        |     | 1          | 5 mL           | 5 mL         | 106343       | 06/06/23 17:51       | KLV     | EET HOU |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 106596       | 06/07/23 11:05       | MTMG    | EET HOU |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 54887        | 06/06/23 13:35       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.04 g        | 10 mL        | 54840        | 06/06/23 09:42       | AM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 54827        | 06/06/23 11:00       | SM      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.96 g         | 50 mL        | 54671        | 06/05/23 11:00       | KS      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 54785        | 06/06/23 08:26       | CH      | EET MID |

Client Sample ID: SW-08

Lab Sample ID: 880-29073-2

Date Collected: 06/01/23 14:55

Matrix: Solid

Date Received: 06/05/23 10:38

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.97 g         | 5 mL         | 106420       | 06/06/23 16:55       | MTMG    | EET HOU |
| Total/NA  | Analysis   | 8260D        |     | 1          | 5 mL           | 5 mL         | 106343       | 06/06/23 18:15       | KLV     | EET HOU |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 106596       | 06/07/23 11:05       | MTMG    | EET HOU |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 54887        | 06/06/23 13:35       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.02 g        | 10 mL        | 54840        | 06/06/23 09:42       | AM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 54827        | 06/06/23 12:05       | SM      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.98 g         | 50 mL        | 54671        | 06/05/23 11:00       | KS      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 54785        | 06/06/23 08:31       | CH      | EET MID |

Client Sample ID: SW-09

Lab Sample ID: 880-29073-3

Date Collected: 06/01/23 15:15

Matrix: Solid

Date Received: 06/05/23 10:38

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.96 g         | 5 mL         | 106420       | 06/06/23 16:55       | MTMG    | EET HOU |
| Total/NA  | Analysis   | 8260D        |     | 1          | 5 mL           | 5 mL         | 106343       | 06/06/23 18:40       | KLV     | EET HOU |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 106596       | 06/07/23 11:05       | MTMG    | EET HOU |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 54887        | 06/06/23 13:35       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 54840        | 06/06/23 09:42       | AM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 54827        | 06/06/23 12:26       | SM      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.98 g         | 50 mL        | 54671        | 06/05/23 11:00       | KS      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 54785        | 06/06/23 08:37       | CH      | EET MID |

Client Sample ID: SW-10

Lab Sample ID: 880-29073-4

Date Collected: 06/01/23 15:20

Matrix: Solid

Date Received: 06/05/23 10:38

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.02 g         | 5 mL         | 106420       | 06/06/23 16:55       | MTMG    | EET HOU |
| Total/NA  | Analysis   | 8260D        |     | 1          | 5 mL           | 5 mL         | 106343       | 06/06/23 19:04       | KLV     | EET HOU |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 106596       | 06/07/23 11:05       | MTMG    | EET HOU |

Eurofins Midland

Lab Chronicle

Client: TRC Solutions, Inc.  
Project/Site: Rocket Fed 5H

Job ID: 880-29073-1

Client Sample ID: SW-10

Date Collected: 06/01/23 15:20

Date Received: 06/05/23 10:38

Lab Sample ID: 880-29073-4

Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 54887        | 06/06/23 13:35       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 54840        | 06/06/23 09:42       | AM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 54827        | 06/06/23 12:48       | SM      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5 g            | 50 mL        | 54671        | 06/05/23 11:00       | KS      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 54785        | 06/06/23 08:42       | CH      | EET MID |

Laboratory References:  
EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200  
EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: TRC Solutions, Inc.  
Project/Site: Rocket Fed 5H

Job ID: 880-29073-1

Laboratory: Eurofins Midland

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

| Authority | Program | Identification Number | Expiration Date |
|-----------|---------|-----------------------|-----------------|
| Texas     | NELAP   | T104704400-22-25      | 06-30-23        |

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

| Analysis Method | Prep Method | Matrix | Analyte   |
|-----------------|-------------|--------|-----------|
| 8015 NM         |             | Solid  | Total TPH |

Laboratory: Eurofins Houston

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

| Authority | Program | Identification Number | Expiration Date |
|-----------|---------|-----------------------|-----------------|
| Texas     | NELAP   | T104704215-23-50      | 06-30-23        |

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

| Analysis Method | Prep Method | Matrix | Analyte    |
|-----------------|-------------|--------|------------|
| Total BTEX      |             | Solid  | Total BTEX |

Method Summary

Client: TRC Solutions, Inc.  
Project/Site: Rocket Fed 5H

Job ID: 880-29073-1

| Method      | Method Description                  | Protocol | Laboratory |
|-------------|-------------------------------------|----------|------------|
| 8260D       | Volatile Organic Compounds by GC/MS | SW846    | EET HOU    |
| Total BTEX  | Total BTEX Calculation              | TAL SOP  | EET HOU    |
| 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 HOU    |
| 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 HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200
- EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440



Sample Summary

Client: TRC Solutions, Inc.  
Project/Site: Rocket Fed 5H

Job ID: 880-29073-1

| Lab Sample ID | Client Sample ID | Matrix | Collected      | Received       |
|---------------|------------------|--------|----------------|----------------|
| 880-29073-1   | SW-07            | Solid  | 06/01/23 14:44 | 06/05/23 10:38 |
| 880-29073-2   | SW-08            | Solid  | 06/01/23 14:55 | 06/05/23 10:38 |
| 880-29073-3   | SW-09            | Solid  | 06/01/23 15:15 | 06/05/23 10:38 |
| 880-29073-4   | SW-10            | Solid  | 06/01/23 15:20 | 06/05/23 10:38 |

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- 5
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## Chain of Custody

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



Environment Testing  
Xenco



Wt

880-29073 Chain of Custody

WWW.EUROFINS.COM

|                 |  |                         |  |
|-----------------|--|-------------------------|--|
| Project Manager |  | Bill to: (if different) |  |
| Company Name    |  | Company Name            |  |
| Address         |  | Address                 |  |
| City, State ZIP |  | City, State ZIP         |  |
| Phone           |  | Email                   |  |

|                  |  |   |  |
|------------------|--|---|--|
| Project Name     |  | Turn Around   |  |
| Project Number   |  | Due Date  |  |
| Project Location |  | TAT starts the day received by the lab, if received by 4:30pm |  |
| Sampler's Name   |  | PO #  |  |

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

| Sample Identification | Matrix | Date Sampled | Time Sampled | Depth | Grab/Comp | # of Cont | Parameters     | Pres. Code | ANALYSIS REQUEST | Preservative Codes  | Sample Comments           |
|-----------------------|--------|--------------|--------------|-------|-----------|-----------|----------------|------------|------------------|---|---------------------------|
| SW-07                 | S      | 6.1.23       | 1445         | -     | Comp      | 1         | IC / BTEX 8200 |            |                  | None NO   | DI Water H <sub>2</sub> O |
| SW-08                 | S      | 6.1.23       | 1455         | -     | Comp      | 1         | IC / BTEX 8200 |            |                  | Cool Cool   | MeOH Me                   |
| SW-09                 | S      | 6.1.23       | 1515         | -     | Comp      | 1         | IC / BTEX 8200 |            |                  | HCL HC  | HNO <sub>3</sub> HN       |
| SW-10                 | S      | 6.1.23       | 1520         | -     | Comp      | 1         | IC / BTEX 8200 |            |                  | H <sub>2</sub> SO <sub>4</sub> H <sub>2</sub>                   | NaOH Na                   |
|                       |        |              |              |       |           |           |                |            |                  | H <sub>3</sub> PO <sub>4</sub> HP                               |                           |
|                       |        |              |              |       |           |           |                |            |                  | NaHSO <sub>4</sub> NABIS  |                           |
|                       |        |              |              |       |           |           |                |            |                  | Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> NaSO <sub>3</sub> |                           |
|                       |        |              |              |       |           |           |                |            |                  | Zn Acetate+NaOH Zn  |                           |
|                       |        |              |              |       |           |           |                |            |                  | NaOH+Ascorbic Acid SAPC   |                           |
|                       |        |              |              |       |           |           |                |            |                  |   | Yes                       |

|  |                  |  |   |
|--|------------------|--|---|
| Total 200.7 / 6010                           | 200.8 / 6020     | 8RCRA 13PPM Texas 11                                 | Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO <sub>2</sub> Na Sr Ti Sn U V Zn |
| Circle Method(s) and Metal(s) to be analyzed | TCLP / SPLP 6010 | 8RCRA 5b As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U | Hg 1631 / 245 1 / 7470 / 7471   |

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

| Relinquished by (Signature) | Received by (Signature) | Date/Time | Relinquished by (Signature) | Received by (Signature) | Date/Time |
|-----------------------------|-------------------------|-----------|-----------------------------|-------------------------|-----------|
| 1                           |                         | 6/5/23    | 2                           |                         |           |
| 3                           |                         | 10:28     | 4                           |                         |           |
| 5                           |                         |           | 6                           |                         |           |

Revised Date: 08/25/2020 Rev. 2020.2

Login Sample Receipt Checklist

Client: TRC Solutions, Inc.

Job Number: 880-29073-1

Login Number: 29073

List Number: 1

Creator: Rodriguez, Leticia

List Source: Eurofins Midland

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

## Login Sample Receipt Checklist

Client: TRC Solutions, Inc.

Job Number: 880-29073-1

Login Number: 29073

List Number: 2

Creator: Pena, Jesiel

List Source: Eurofins Houston

List Creation: 06/06/23 03:18 PM

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



Environment Testing

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5

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7

8

9

10

11

12

13

14

# ANALYTICAL REPORT

## PREPARED FOR

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

Generated 6/12/2023 3:15:08 PM

## JOB DESCRIPTION

Rocket Fed #5H  
SDG NUMBER 495436

## JOB NUMBER

890-4791-1

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  
6/12/2023 3:15:08 PM

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

Client: TRC Solutions, Inc.  
Project/Site: Rocket Fed #5H

Laboratory Job ID: 890-4791-1  
SDG: 495436

# Table of Contents

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

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Definitions/Glossary

Client: TRC Solutions, Inc.  
Project/Site: Rocket Fed #5H

Job ID: 890-4791-1  
SDG: 495436

Qualifiers

GC VOA

| Qualifier | Qualifier Description                                     |
|-----------|---|
| *-        | LCS and/or LCSD is outside acceptance limits, low biased. |
| *1        | LCS/LCSD RPD exceeds control limits.                      |
| F1        | MS and/or MSD recovery exceeds control limits.            |
| U         | Indicates the analyte was analyzed for but not detected.  |

GC Semi VOA

| Qualifier | Qualifier Description                                    |
|-----------|--|
| S1+       | Surrogate recovery exceeds control limits, 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.                                 |
|----------------|---|
| α              | Listed under the "D" column to designate that the result is reported on a dry weight basis                  |
| %R             | Percent Recovery  |
| CFL            | Contains Free Liquid  |
| CFU            | Colony Forming Unit   |
| CNF            | Contains No Free Liquid   |
| DER            | Duplicate Error Ratio (normalized absolute difference)  |
| Dil Fac        | Dilution Factor   |
| DL             | Detection Limit (DoD/DOE)   |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC            | Decision Level Concentration (Radiochemistry)   |
| EDL            | Estimated Detection Limit (Dioxin)  |
| LOD            | Limit of Detection (DoD/DOE)  |
| LOQ            | Limit of Quantitation (DoD/DOE)   |
| MCL            | EPA recommended "Maximum Contaminant Level"   |
| MDA            | Minimum Detectable Activity (Radiochemistry)  |
| MDC            | Minimum Detectable Concentration (Radiochemistry)   |
| MDL            | Method Detection Limit  |
| ML             | Minimum Level (Dioxin)  |
| MPN            | Most Probable Number  |
| MQL            | Method Quantitation Limit   |
| NC             | Not Calculated  |
| ND             | Not Detected at the reporting limit (or MDL or EDL if shown)  |
| NEG            | Negative / Absent   |
| POS            | Positive / Present  |
| PQL            | Practical Quantitation Limit  |
| PRES           | Presumptive   |
| QC             | Quality Control   |
| RER            | Relative Error Ratio (Radiochemistry)   |
| RL             | Reporting Limit or Requested Limit (Radiochemistry)   |
| RPD            | Relative Percent Difference, a measure of the relative difference between two points                        |
| TEF            | Toxicity Equivalent Factor (Dioxin)   |
| TEQ            | Toxicity Equivalent Quotient (Dioxin)   |
| TNTC           | Too Numerous To Count   |

## Case Narrative

Client: TRC Solutions, Inc.  
Project/Site: Rocket Fed #5H

Job ID: 890-4791-1  
SDG: 495436

**Job ID: 890-4791-1****Laboratory: Eurofins Carlsbad****Narrative****Job Narrative  
890-4791-1****Receipt**

The samples were received on 6/7/2023 4:45 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 6.0°C

**Receipt Exceptions**

The following samples were received and analyzed from an unpreserved bulk soil jar: SW-10A (890-4791-1), SW-11 (890-4791-2), SW-12 (890-4791-3), SW-15 (890-4791-4) and SW-16 (890-4791-5).

**GC VOA**

Method 8021B: The CCV was biased low for some analytes. However, since the internal standard recoveries were acceptable the data was qualified and reported.(CCV 880-55090/33) and (CCV 880-55090/64)

Method 8021B: The LCS was biased low for m-p xylenes, however since the LCSD was acceptable the data was qualified and reported. (LCS 880-55142/1-A)

Method 8021B: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-55142 and analytical batch 880-55090 recovered outside control limits for the following analytes: Toluene, Ethylbenzene, m-Xylene & p-Xylene and o-Xylene.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-55142 and analytical batch 880-55090 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.

**GC Semi VOA**

Method 8015MOD\_NM: Surrogate recovery for the following samples were outside control limits: SW-10A (890-4791-1), SW-12 (890-4791-3), SW-15 (890-4791-4), SW-16 (890-4791-5), (LCS 880-55021/2-A), (LCSD 880-55021/3-A) and (MB 880-55021/1-A). Evidence of matrix interferences is not obvious.

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

**HPLC/IC**

Method 300\_ORGFM\_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-55044 and analytical batch 880-55137 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: Rocket Fed #5H

Job ID: 890-4791-1  
SDG: 495436

Client Sample ID: SW-10A

Lab Sample ID: 890-4791-1

Date Collected: 06/07/23 10:00

Matrix: Solid

Date Received: 06/07/23 16:45

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

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00198  | U         | 0.00198  | mg/Kg |   | 06/09/23 12:15 | 06/10/23 15:03 | 1       |
| Toluene                     | <0.00198  | U *1      | 0.00198  | mg/Kg |   | 06/09/23 12:15 | 06/10/23 15:03 | 1       |
| Ethylbenzene                | <0.00198  | U *1      | 0.00198  | mg/Kg |   | 06/09/23 12:15 | 06/10/23 15:03 | 1       |
| m-Xylene & p-Xylene         | <0.00396  | U *- *1   | 0.00396  | mg/Kg |   | 06/09/23 12:15 | 06/10/23 15:03 | 1       |
| o-Xylene                    | <0.00198  | U *1      | 0.00198  | mg/Kg |   | 06/09/23 12:15 | 06/10/23 15:03 | 1       |
| Xylenes, Total              | <0.00396  | U *- *1   | 0.00396  | mg/Kg |   | 06/09/23 12:15 | 06/10/23 15:03 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 91        |           | 70 - 130 |       |   | 06/09/23 12:15 | 06/10/23 15:03 | 1       |
| 1,4-Difluorobenzene (Surr)  | 94        |           | 70 - 130 |       |   | 06/09/23 12:15 | 06/10/23 15:03 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00396 | U         | 0.00396 | mg/Kg |   |          | 06/12/23 13:03 | 1       |

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

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <50.0  | U         | 50.0 | mg/Kg |   |          | 06/09/23 21:28 | 1       |

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

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0     | U         | 50.0     | mg/Kg |   | 06/08/23 09:44 | 06/09/23 12:23 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0     | U         | 50.0     | mg/Kg |   | 06/08/23 09:44 | 06/09/23 12:23 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0     | U         | 50.0     | mg/Kg |   | 06/08/23 09:44 | 06/09/23 12:23 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 146       | S1+       | 70 - 130 |       |   | 06/08/23 09:44 | 06/09/23 12:23 | 1       |
| o-Terphenyl                          | 118       |           | 70 - 130 |       |   | 06/08/23 09:44 | 06/09/23 12:23 | 1       |

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

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 684    | F1        | 5.04 | mg/Kg |   |          | 06/09/23 11:47 | 1       |

Client Sample ID: SW-11

Lab Sample ID: 890-4791-2

Date Collected: 06/07/23 10:10

Matrix: Solid

Date Received: 06/07/23 16:45

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

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00202  | U         | 0.00202  | mg/Kg |   | 06/09/23 12:15 | 06/10/23 15:24 | 1       |
| Toluene                     | <0.00202  | U *1      | 0.00202  | mg/Kg |   | 06/09/23 12:15 | 06/10/23 15:24 | 1       |
| Ethylbenzene                | <0.00202  | U *1      | 0.00202  | mg/Kg |   | 06/09/23 12:15 | 06/10/23 15:24 | 1       |
| m-Xylene & p-Xylene         | <0.00403  | U *- *1   | 0.00403  | mg/Kg |   | 06/09/23 12:15 | 06/10/23 15:24 | 1       |
| o-Xylene                    | <0.00202  | U *1      | 0.00202  | mg/Kg |   | 06/09/23 12:15 | 06/10/23 15:24 | 1       |
| Xylenes, Total              | <0.00403  | U *- *1   | 0.00403  | mg/Kg |   | 06/09/23 12:15 | 06/10/23 15:24 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 95        |           | 70 - 130 |       |   | 06/09/23 12:15 | 06/10/23 15:24 | 1       |
| 1,4-Difluorobenzene (Surr)  | 91        |           | 70 - 130 |       |   | 06/09/23 12:15 | 06/10/23 15:24 | 1       |

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## Client Sample Results

Client: TRC Solutions, Inc.  
Project/Site: Rocket Fed #5H

Job ID: 890-4791-1  
SDG: 495436

Client Sample ID: SW-11

Lab Sample ID: 890-4791-2

Date Collected: 06/07/23 10:10

Matrix: Solid

Date Received: 06/07/23 16:45

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00403 | U         | 0.00403 | mg/Kg |   |          | 06/12/23 13:03 | 1       |

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

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.8  | U         | 49.8 | mg/Kg |   |          | 06/09/23 21:28 | 1       |

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

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.8     | U         | 49.8     | mg/Kg |   | 06/08/23 09:44 | 06/09/23 12:45 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.8     | U         | 49.8     | mg/Kg |   | 06/08/23 09:44 | 06/09/23 12:45 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.8     | U         | 49.8     | mg/Kg |   | 06/08/23 09:44 | 06/09/23 12:45 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 127       |           | 70 - 130 |       |   | 06/08/23 09:44 | 06/09/23 12:45 | 1       |
| o-Terphenyl                          | 96        |           | 70 - 130 |       |   | 06/08/23 09:44 | 06/09/23 12:45 | 1       |

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

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 106    |           | 4.99 | mg/Kg |   |          | 06/09/23 12:02 | 1       |

Client Sample ID: SW-12

Lab Sample ID: 890-4791-3

Date Collected: 06/07/23 12:30

Matrix: Solid

Date Received: 06/07/23 16:45

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

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00198  | U         | 0.00198  | mg/Kg |   | 06/09/23 12:15 | 06/10/23 17:15 | 1       |
| Toluene                     | <0.00198  | U *1      | 0.00198  | mg/Kg |   | 06/09/23 12:15 | 06/10/23 17:15 | 1       |
| Ethylbenzene                | <0.00198  | U *1      | 0.00198  | mg/Kg |   | 06/09/23 12:15 | 06/10/23 17:15 | 1       |
| m-Xylene & p-Xylene         | <0.00397  | U *1      | 0.00397  | mg/Kg |   | 06/09/23 12:15 | 06/10/23 17:15 | 1       |
| o-Xylene                    | <0.00198  | U *1      | 0.00198  | mg/Kg |   | 06/09/23 12:15 | 06/10/23 17:15 | 1       |
| Xylenes, Total              | <0.00397  | U *1      | 0.00397  | mg/Kg |   | 06/09/23 12:15 | 06/10/23 17:15 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 82        |           | 70 - 130 |       |   | 06/09/23 12:15 | 06/10/23 17:15 | 1       |
| 1,4-Difluorobenzene (Surr)  | 89        |           | 70 - 130 |       |   | 06/09/23 12:15 | 06/10/23 17:15 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00397 | U         | 0.00397 | mg/Kg |   |          | 06/12/23 13:03 | 1       |

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

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.9  | U         | 49.9 | mg/Kg |   |          | 06/09/23 21:28 | 1       |

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

| Analyte                              | Result | Qualifier | RL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9  | U         | 49.9 | mg/Kg |   | 06/08/23 09:44 | 06/09/23 13:07 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9  | U         | 49.9 | mg/Kg |   | 06/08/23 09:44 | 06/09/23 13:07 | 1       |

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## Client Sample Results

Client: TRC Solutions, Inc.  
Project/Site: Rocket Fed #5H

Job ID: 890-4791-1  
SDG: 495436

Client Sample ID: SW-12

Lab Sample ID: 890-4791-3

Date Collected: 06/07/23 12:30

Matrix: Solid

Date Received: 06/07/23 16:45

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

| Analyte                           | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Oil Range Organics (Over C28-C36) | <49.9     | U         | 49.9     | mg/Kg |   | 06/08/23 09:44 | 06/09/23 13:07 | 1       |
| Surrogate                         | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                    | 134       | S1+       | 70 - 130 |       |   | 06/08/23 09:44 | 06/09/23 13:07 | 1       |
| o-Terphenyl                       | 104       |           | 70 - 130 |       |   | 06/08/23 09:44 | 06/09/23 13:07 | 1       |

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

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 284    |           | 4.99 | mg/Kg |   |          | 06/09/23 12:08 | 1       |

Client Sample ID: SW-15

Lab Sample ID: 890-4791-4

Date Collected: 06/07/23 03:30

Matrix: Solid

Date Received: 06/07/23 16:45

## 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 |   | 06/09/23 12:15 | 06/10/23 17:36 | 1       |
| Toluene                     | <0.00200  | U *1      | 0.00200  | mg/Kg |   | 06/09/23 12:15 | 06/10/23 17:36 | 1       |
| Ethylbenzene                | <0.00200  | U *1      | 0.00200  | mg/Kg |   | 06/09/23 12:15 | 06/10/23 17:36 | 1       |
| m-Xylene & p-Xylene         | <0.00399  | U * *1    | 0.00399  | mg/Kg |   | 06/09/23 12:15 | 06/10/23 17:36 | 1       |
| o-Xylene                    | <0.00200  | U *1      | 0.00200  | mg/Kg |   | 06/09/23 12:15 | 06/10/23 17:36 | 1       |
| Xylenes, Total              | <0.00399  | U * *1    | 0.00399  | mg/Kg |   | 06/09/23 12:15 | 06/10/23 17:36 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 95        |           | 70 - 130 |       |   | 06/09/23 12:15 | 06/10/23 17:36 | 1       |
| 1,4-Difluorobenzene (Surr)  | 92        |           | 70 - 130 |       |   | 06/09/23 12:15 | 06/10/23 17:36 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00399 | U         | 0.00399 | mg/Kg |   |          | 06/12/23 13:03 | 1       |

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

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <50.0  | U         | 50.0 | mg/Kg |   |          | 06/09/23 21:28 | 1       |

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

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0     | U         | 50.0     | mg/Kg |   | 06/08/23 09:44 | 06/09/23 13:28 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0     | U         | 50.0     | mg/Kg |   | 06/08/23 09:44 | 06/09/23 13:28 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0     | U         | 50.0     | mg/Kg |   | 06/08/23 09:44 | 06/09/23 13:28 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 135       | S1+       | 70 - 130 |       |   | 06/08/23 09:44 | 06/09/23 13:28 | 1       |
| o-Terphenyl                          | 105       |           | 70 - 130 |       |   | 06/08/23 09:44 | 06/09/23 13:28 | 1       |

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

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 84.5   |           | 5.02 | mg/Kg |   |          | 06/09/23 12:13 | 1       |

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## Client Sample Results

Client: TRC Solutions, Inc.  
Project/Site: Rocket Fed #5H

Job ID: 890-4791-1  
SDG: 495436

Client Sample ID: SW-16

Lab Sample ID: 890-4791-5

Date Collected: 06/07/23 13:40

Matrix: Solid

Date Received: 06/07/23 16:45

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

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00198  | U         | 0.00198  | mg/Kg |   | 06/09/23 12:15 | 06/10/23 17:56 | 1       |
| Toluene                     | <0.00198  | U *1      | 0.00198  | mg/Kg |   | 06/09/23 12:15 | 06/10/23 17:56 | 1       |
| Ethylbenzene                | <0.00198  | U *1      | 0.00198  | mg/Kg |   | 06/09/23 12:15 | 06/10/23 17:56 | 1       |
| m-Xylene & p-Xylene         | <0.00396  | U *- *1   | 0.00396  | mg/Kg |   | 06/09/23 12:15 | 06/10/23 17:56 | 1       |
| o-Xylene                    | <0.00198  | U *1      | 0.00198  | mg/Kg |   | 06/09/23 12:15 | 06/10/23 17:56 | 1       |
| Xylenes, Total              | <0.00396  | U *- *1   | 0.00396  | mg/Kg |   | 06/09/23 12:15 | 06/10/23 17:56 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 87        |           | 70 - 130 |       |   | 06/09/23 12:15 | 06/10/23 17:56 | 1       |
| 1,4-Difluorobenzene (Surr)  | 92        |           | 70 - 130 |       |   | 06/09/23 12:15 | 06/10/23 17:56 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00396 | U         | 0.00396 | mg/Kg |   |          | 06/12/23 13:03 | 1       |

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

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <50.0  | U         | 50.0 | mg/Kg |   |          | 06/09/23 21:28 | 1       |

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

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0     | U         | 50.0     | mg/Kg |   | 06/08/23 09:44 | 06/09/23 13:51 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0     | U         | 50.0     | mg/Kg |   | 06/08/23 09:44 | 06/09/23 13:51 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0     | U         | 50.0     | mg/Kg |   | 06/08/23 09:44 | 06/09/23 13:51 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 136       | S1+       | 70 - 130 |       |   | 06/08/23 09:44 | 06/09/23 13:51 | 1       |
| o-Terphenyl                          | 106       |           | 70 - 130 |       |   | 06/08/23 09:44 | 06/09/23 13:51 | 1       |

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

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 106    |           | 5.04 | mg/Kg |   |          | 06/09/23 12:18 | 1       |

Surrogate Summary

Client: TRC Solutions, Inc.  
Project/Site: Rocket Fed #5H

Job ID: 890-4791-1  
SDG: 495436

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

Prep Type: Total/NA

|                                   |                        | Percent Surrogate Recovery (Acceptance Limits) |                   |
|-----------------------------------|------------------------|--|-------------------|
| Lab Sample ID                     | Client Sample ID       | BFB1<br>(70-130)                               | DFBZ1<br>(70-130) |
| 880-29010-A-5-B MS                | Matrix Spike           | 109  | 101               |
| 880-29010-A-5-C MSD               | Matrix Spike Duplicate | 105  | 102               |
| 890-4791-1                        | SW-10A                 | 91   | 94                |
| 890-4791-2                        | SW-11                  | 95   | 91                |
| 890-4791-3                        | SW-12                  | 82   | 89                |
| 890-4791-4                        | SW-15                  | 95   | 92                |
| 890-4791-5                        | SW-16                  | 87   | 92                |
| LCS 880-55142/1-A                 | Lab Control Sample     | 99   | 102               |
| LCSD 880-55142/2-A                | Lab Control Sample Dup | 107  | 91                |
| MB 880-55142/5-A                  | Method Blank           | 89   | 110               |
| MB 880-55143/5-A                  | Method Blank           | 92   | 108               |
| Surrogate Legend                  |                        |  |                   |
| BFB = 4-Bromofluorobenzene (Surr) |                        |  |                   |
| DFBZ = 1,4-Difluorobenzene (Surr) |                        |  |                   |

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

Prep Type: Total/NA

|                      |                        | Percent Surrogate Recovery (Acceptance Limits) |                   |
|----------------------|------------------------|--|-------------------|
| Lab Sample ID        | Client Sample ID       | 1CO1<br>(70-130)                               | OTPH1<br>(70-130) |
| 880-29221-A-21-C MS  | Matrix Spike           | 164 S1+  | 119               |
| 880-29221-A-21-D MSD | Matrix Spike Duplicate | 157 S1+  | 114               |
| 890-4791-1           | SW-10A                 | 146 S1+  | 118               |
| 890-4791-2           | SW-11                  | 127  | 96                |
| 890-4791-3           | SW-12                  | 134 S1+  | 104               |
| 890-4791-4           | SW-15                  | 135 S1+  | 105               |
| 890-4791-5           | SW-16                  | 136 S1+  | 106               |
| LCS 880-55021/2-A    | Lab Control Sample     | 149 S1+  | 117               |
| LCSD 880-55021/3-A   | Lab Control Sample Dup | 131 S1+  | 100               |
| MB 880-55021/1-A     | Method Blank           | 179 S1+  | 143 S1+           |
| Surrogate Legend     |                        |  |                   |
| 1CO = 1-Chlorooctane |                        |  |                   |
| OTPH = o-Terphenyl   |                        |  |                   |

## QC Sample Results

Client: TRC Solutions, Inc.  
Project/Site: Rocket Fed #5H

Job ID: 890-4791-1  
SDG: 495436

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

Lab Sample ID: MB 880-55142/5-A

Matrix: Solid

Analysis Batch: 55090

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 55142

| Analyte             | MB<br>Result | MB<br>Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|--------------|-----------------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00200     | U               | 0.00200 | mg/Kg |   | 06/09/23 12:15 | 06/10/23 11:02 | 1       |
| Toluene             | <0.00200     | U               | 0.00200 | mg/Kg |   | 06/09/23 12:15 | 06/10/23 11:02 | 1       |
| Ethylbenzene        | <0.00200     | U               | 0.00200 | mg/Kg |   | 06/09/23 12:15 | 06/10/23 11:02 | 1       |
| m-Xylene & p-Xylene | <0.00400     | U               | 0.00400 | mg/Kg |   | 06/09/23 12:15 | 06/10/23 11:02 | 1       |
| o-Xylene            | <0.00200     | U               | 0.00200 | mg/Kg |   | 06/09/23 12:15 | 06/10/23 11:02 | 1       |
| Xylenes, Total      | <0.00400     | U               | 0.00400 | mg/Kg |   | 06/09/23 12:15 | 06/10/23 11:02 | 1       |

| Surrogate                   | MB<br>%Recovery | MB<br>Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------------|-----------------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 89              |                 | 70 - 130 | 06/09/23 12:15 | 06/10/23 11:02 | 1       |
| 1,4-Difluorobenzene (Surr)  | 110             |                 | 70 - 130 | 06/09/23 12:15 | 06/10/23 11:02 | 1       |

Lab Sample ID: LCS 880-55142/1-A

Matrix: Solid

Analysis Batch: 55090

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 55142

| Analyte             | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|---------------------|----------------|---------------|------------------|-------|---|------|----------------|
| Benzene             | 0.100          | 0.09311       |                  | mg/Kg |   | 93   | 70 - 130       |
| Toluene             | 0.100          | 0.08637       |                  | mg/Kg |   | 86   | 70 - 130       |
| Ethylbenzene        | 0.100          | 0.07327       |                  | mg/Kg |   | 73   | 70 - 130       |
| m-Xylene & p-Xylene | 0.200          | 0.1329        | *-               | mg/Kg |   | 66   | 70 - 130       |
| o-Xylene            | 0.100          | 0.07204       |                  | mg/Kg |   | 72   | 70 - 130       |

| Surrogate                   | LCS<br>%Recovery | LCS<br>Qualifier | Limits   |
|-----------------------------|------------------|------------------|----------|
| 4-Bromofluorobenzene (Surr) | 99               |                  | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 102              |                  | 70 - 130 |

Lab Sample ID: LCSD 880-55142/2-A

Matrix: Solid

Analysis Batch: 55090

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 55142

| Analyte             | Spike<br>Added | LCSD<br>Result | LCSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|---------------------|----------------|----------------|-------------------|-------|---|------|----------------|-----|--------------|
| Benzene             | 0.100          | 0.1184         |                   | mg/Kg |   | 118  | 70 - 130       | 24  | 35           |
| Toluene             | 0.100          | 0.1302         | *1                | mg/Kg |   | 130  | 70 - 130       | 40  | 35           |
| Ethylbenzene        | 0.100          | 0.1119         | *1                | mg/Kg |   | 112  | 70 - 130       | 42  | 35           |
| m-Xylene & p-Xylene | 0.200          | 0.2148         | *1                | mg/Kg |   | 107  | 70 - 130       | 47  | 35           |
| o-Xylene            | 0.100          | 0.1043         | *1                | mg/Kg |   | 104  | 70 - 130       | 37  | 35           |

| Surrogate                   | LCSD<br>%Recovery | LCSD<br>Qualifier | Limits   |
|-----------------------------|-------------------|-------------------|----------|
| 4-Bromofluorobenzene (Surr) | 107               |                   | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 91                |                   | 70 - 130 |

Lab Sample ID: 880-29010-A-5-B MS

Matrix: Solid

Analysis Batch: 55090

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 55142

| Analyte | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MS<br>Result | MS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|---------|------------------|---------------------|----------------|--------------|-----------------|-------|---|------|----------------|
| Benzene | <0.00198         | U                   | 0.0994         | 0.09418      |                 | mg/Kg |   | 95   | 70 - 130       |
| Toluene | <0.00198         | U *1                | 0.0994         | 0.08482      |                 | mg/Kg |   | 85   | 70 - 130       |

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## QC Sample Results

Client: TRC Solutions, Inc.  
Project/Site: Rocket Fed #5H

Job ID: 890-4791-1  
SDG: 495436

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

Lab Sample ID: 880-29010-A-5-B MS

Matrix: Solid

Analysis Batch: 55090

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 55142

| Analyte             | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|---------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Ethylbenzene        | <0.00198      | U *1 F1          | 0.0994      | 0.08154   |              | mg/Kg |   | 82   | 70 - 130    |
| m-Xylene & p-Xylene | <0.00396      | U *- *1 F1       | 0.199       | 0.1366    | F1           | mg/Kg |   | 68   | 70 - 130    |
| o-Xylene            | 0.00558       | *1 F1            | 0.0994      | 0.08231   |              | mg/Kg |   | 77   | 70 - 130    |

| Surrogate                   | MS %Recovery | MS Qualifier | Limits   |
|-----------------------------|--------------|--------------|----------|
| 4-Bromofluorobenzene (Surr) | 109          |              | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 101          |              | 70 - 130 |

Lab Sample ID: 880-29010-A-5-C MSD

Matrix: Solid

Analysis Batch: 55090

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 55142

| Analyte             | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Benzene             | <0.00198      | U                | 0.0996      | 0.09768    |               | mg/Kg |   | 98   | 70 - 130    | 4   | 35        |
| Toluene             | <0.00198      | U *1             | 0.0996      | 0.08104    |               | mg/Kg |   | 81   | 70 - 130    | 5   | 35        |
| Ethylbenzene        | <0.00198      | U *1 F1          | 0.0996      | 0.06698    | F1            | mg/Kg |   | 67   | 70 - 130    | 20  | 35        |
| m-Xylene & p-Xylene | <0.00396      | U *- *1 F1       | 0.199       | 0.1094     | F1            | mg/Kg |   | 54   | 70 - 130    | 22  | 35        |
| o-Xylene            | 0.00558       | *1 F1            | 0.0996      | 0.07416    | F1            | mg/Kg |   | 69   | 70 - 130    | 10  | 35        |

| Surrogate                   | MSD %Recovery | MSD Qualifier | Limits   |
|-----------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr) | 105           |               | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 102           |               | 70 - 130 |

Lab Sample ID: MB 880-55143/5-A

Matrix: Solid

Analysis Batch: 55090

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 55143

| Analyte             | MB Result | MB Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|-----------|--------------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00200  | U            | 0.00200 | mg/Kg |   | 06/09/23 12:24 | 06/09/23 23:26 | 1       |
| Toluene             | <0.00200  | U            | 0.00200 | mg/Kg |   | 06/09/23 12:24 | 06/09/23 23:26 | 1       |
| Ethylbenzene        | <0.00200  | U            | 0.00200 | mg/Kg |   | 06/09/23 12:24 | 06/09/23 23:26 | 1       |
| m-Xylene & p-Xylene | <0.00400  | U            | 0.00400 | mg/Kg |   | 06/09/23 12:24 | 06/09/23 23:26 | 1       |
| o-Xylene            | <0.00200  | U            | 0.00200 | mg/Kg |   | 06/09/23 12:24 | 06/09/23 23:26 | 1       |
| Xylenes, Total      | <0.00400  | U            | 0.00400 | mg/Kg |   | 06/09/23 12:24 | 06/09/23 23:26 | 1       |

| Surrogate                   | MB %Recovery | MB Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|--------------|--------------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 92           |              | 70 - 130 | 06/09/23 12:24 | 06/09/23 23:26 | 1       |
| 1,4-Difluorobenzene (Surr)  | 108          |              | 70 - 130 | 06/09/23 12:24 | 06/09/23 23:26 | 1       |

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

Lab Sample ID: MB 880-55021/1-A

Matrix: Solid

Analysis Batch: 55082

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 55021

| Analyte                              | MB Result | MB Qualifier | RL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|--------------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0     | U            | 50.0 | mg/Kg |   | 06/08/23 09:44 | 06/09/23 08:19 | 1       |

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## QC Sample Results

Client: TRC Solutions, Inc.  
Project/Site: Rocket Fed #5H

Job ID: 890-4791-1  
SDG: 495436

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

Lab Sample ID: MB 880-55021/1-A

Matrix: Solid

Analysis Batch: 55082

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 55021

| Analyte                              | MB<br>Result    | MB<br>Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------------|-----------------|----------|-------|---|----------------|----------------|---------|
| Diesel Range Organics (Over C10-C28) | <50.0           | U               | 50.0     | mg/Kg |   | 06/08/23 09:44 | 06/09/23 08:19 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0           | U               | 50.0     | mg/Kg |   | 06/08/23 09:44 | 06/09/23 08:19 | 1       |
| Surrogate                            | MB<br>%Recovery | MB<br>Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 179             | S1+             | 70 - 130 |       |   | 06/08/23 09:44 | 06/09/23 08:19 | 1       |
| o-Terphenyl                          | 143             | S1+             | 70 - 130 |       |   | 06/08/23 09:44 | 06/09/23 08:19 | 1       |

Lab Sample ID: LCS 880-55021/2-A

Matrix: Solid

Analysis Batch: 55082

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 55021

| Analyte                              | Spike<br>Added   | LCS<br>Result    | LCS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|--------------------------------------|------------------|------------------|------------------|-------|---|------|----------------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000             | 1081             |                  | mg/Kg |   | 108  | 70 - 130       |
| Diesel Range Organics (Over C10-C28) | 1000             | 1049             |                  | mg/Kg |   | 105  | 70 - 130       |
| Surrogate                            | LCS<br>%Recovery | LCS<br>Qualifier | Limits           |       |   |      |                |
| 1-Chlorooctane                       | 149              | S1+              | 70 - 130         |       |   |      |                |
| o-Terphenyl                          | 117              |                  | 70 - 130         |       |   |      |                |

Lab Sample ID: LCSD 880-55021/3-A

Matrix: Solid

Analysis Batch: 55082

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 55021

| Analyte                              | Spike<br>Added    | LCSD<br>Result    | LCSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|--------------------------------------|-------------------|-------------------|-------------------|-------|---|------|----------------|-----|--------------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000              | 1045              |                   | mg/Kg |   | 104  | 70 - 130       | 3   | 20           |
| Diesel Range Organics (Over C10-C28) | 1000              | 1006              |                   | mg/Kg |   | 101  | 70 - 130       | 4   | 20           |
| Surrogate                            | LCSD<br>%Recovery | LCSD<br>Qualifier | Limits            |       |   |      |                |     |              |
| 1-Chlorooctane                       | 131               | S1+               | 70 - 130          |       |   |      |                |     |              |
| o-Terphenyl                          | 100               |                   | 70 - 130          |       |   |      |                |     |              |

Lab Sample ID: 880-29221-A-21-C MS

Matrix: Solid

Analysis Batch: 55082

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 55021

| Analyte                              | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MS<br>Result | MS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|--------------------------------------|------------------|---------------------|----------------|--------------|-----------------|-------|---|------|----------------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0            | U                   | 999            | 1220         |                 | mg/Kg |   | 120  | 70 - 130       |
| Diesel Range Organics (Over C10-C28) | <50.0            | U                   | 999            | 976.1        |                 | mg/Kg |   | 93   | 70 - 130       |
| Surrogate                            | MS<br>%Recovery  | MS<br>Qualifier     | Limits         |              |                 |       |   |      |                |
| 1-Chlorooctane                       | 164              | S1+                 | 70 - 130       |              |                 |       |   |      |                |
| o-Terphenyl                          | 119              |                     | 70 - 130       |              |                 |       |   |      |                |

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## QC Sample Results

Client: TRC Solutions, Inc.  
Project/Site: Rocket Fed #5H

Job ID: 890-4791-1  
SDG: 495436

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

Lab Sample ID: 880-29221-A-21-D MSD

Matrix: Solid

Analysis Batch: 55082

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 55021

| Analyte                              | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------------------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0         | U                | 999         | 1157       |               | mg/Kg |   | 114  | 70 - 130    | 5   | 20        |
| Diesel Range Organics (Over C10-C28) | <50.0         | U                | 999         | 924.6      |               | mg/Kg |   | 88   | 70 - 130    | 5   | 20        |
| Surrogate                            | MSD %Recovery | MSD Qualifier    | Limits      |            |               |       |   |      |             |     |           |
| 1-Chlorooctane                       | 157           | S1+              | 70 - 130    |            |               |       |   |      |             |     |           |
| o-Terphenyl                          | 114           |                  | 70 - 130    |            |               |       |   |      |             |     |           |

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-55044/1-A

Matrix: Solid

Analysis Batch: 55137

Client Sample ID: Method Blank

Prep Type: Soluble

| Analyte  | MB Result | MB Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|-----------|--------------|------|-------|---|----------|----------------|---------|
| Chloride | <5.00     | U            | 5.00 | mg/Kg |   |          | 06/09/23 10:42 | 1       |

Lab Sample ID: LCS 880-55044/2-A

Matrix: Solid

Analysis Batch: 55137

Client Sample ID: Lab Control Sample

Prep Type: Soluble

| Analyte  | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |
|----------|-------------|------------|---------------|-------|---|------|-------------|
| Chloride | 250         | 247.8      |               | mg/Kg |   | 99   | 90 - 110    |

Lab Sample ID: LCSD 880-55044/3-A

Matrix: Solid

Analysis Batch: 55137

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

| Analyte  | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|----------|-------------|-------------|----------------|-------|---|------|-------------|-----|-----------|
| Chloride | 250         | 247.9       |                | mg/Kg |   | 99   | 90 - 110    | 0   | 20        |

Lab Sample ID: 890-4791-1 MS

Matrix: Solid

Analysis Batch: 55137

Client Sample ID: SW-10A

Prep Type: Soluble

| Analyte  | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|----------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Chloride | 684           | F1               | 252         | 899.9     | F1           | mg/Kg |   | 86   | 90 - 110    |

Lab Sample ID: 890-4791-1 MSD

Matrix: Solid

Analysis Batch: 55137

Client Sample ID: SW-10A

Prep Type: Soluble

| Analyte  | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|----------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Chloride | 684           | F1               | 252         | 907.6      | F1            | mg/Kg |   | 89   | 90 - 110    | 1   | 20        |

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## QC Association Summary

Client: TRC Solutions, Inc.  
Project/Site: Rocket Fed #5H

Job ID: 890-4791-1  
SDG: 495436

## GC VOA

## Analysis Batch: 55090

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 890-4791-1          | SW-10A                 | Total/NA  | Solid  | 8021B  | 55142      |
| 890-4791-2          | SW-11                  | Total/NA  | Solid  | 8021B  | 55142      |
| 890-4791-3          | SW-12                  | Total/NA  | Solid  | 8021B  | 55142      |
| 890-4791-4          | SW-15                  | Total/NA  | Solid  | 8021B  | 55142      |
| 890-4791-5          | SW-16                  | Total/NA  | Solid  | 8021B  | 55142      |
| MB 880-55142/5-A    | Method Blank           | Total/NA  | Solid  | 8021B  | 55142      |
| MB 880-55143/5-A    | Method Blank           | Total/NA  | Solid  | 8021B  | 55143      |
| LCS 880-55142/1-A   | Lab Control Sample     | Total/NA  | Solid  | 8021B  | 55142      |
| LCSD 880-55142/2-A  | Lab Control Sample Dup | Total/NA  | Solid  | 8021B  | 55142      |
| 880-29010-A-5-B MS  | Matrix Spike           | Total/NA  | Solid  | 8021B  | 55142      |
| 880-29010-A-5-C MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 8021B  | 55142      |

## Prep Batch: 55142

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 890-4791-1          | SW-10A                 | Total/NA  | Solid  | 5035   |            |
| 890-4791-2          | SW-11                  | Total/NA  | Solid  | 5035   |            |
| 890-4791-3          | SW-12                  | Total/NA  | Solid  | 5035   |            |
| 890-4791-4          | SW-15                  | Total/NA  | Solid  | 5035   |            |
| 890-4791-5          | SW-16                  | Total/NA  | Solid  | 5035   |            |
| MB 880-55142/5-A    | Method Blank           | Total/NA  | Solid  | 5035   |            |
| LCS 880-55142/1-A   | Lab Control Sample     | Total/NA  | Solid  | 5035   |            |
| LCSD 880-55142/2-A  | Lab Control Sample Dup | Total/NA  | Solid  | 5035   |            |
| 880-29010-A-5-B MS  | Matrix Spike           | Total/NA  | Solid  | 5035   |            |
| 880-29010-A-5-C MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 5035   |            |

## Prep Batch: 55143

| Lab Sample ID    | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|------------------|------------------|-----------|--------|--------|------------|
| MB 880-55143/5-A | Method Blank     | Total/NA  | Solid  | 5035   |            |

## Analysis Batch: 55268

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method     | Prep Batch |
|---------------|------------------|-----------|--------|------------|------------|
| 890-4791-1    | SW-10A           | Total/NA  | Solid  | Total BTEX |            |
| 890-4791-2    | SW-11            | Total/NA  | Solid  | Total BTEX |            |
| 890-4791-3    | SW-12            | Total/NA  | Solid  | Total BTEX |            |
| 890-4791-4    | SW-15            | Total/NA  | Solid  | Total BTEX |            |
| 890-4791-5    | SW-16            | Total/NA  | Solid  | Total BTEX |            |

## GC Semi VOA

## Prep Batch: 55021

| Lab Sample ID        | Client Sample ID       | Prep Type | Matrix | Method      | Prep Batch |
|----------------------|------------------------|-----------|--------|-------------|------------|
| 890-4791-1           | SW-10A                 | Total/NA  | Solid  | 8015NM Prep |            |
| 890-4791-2           | SW-11                  | Total/NA  | Solid  | 8015NM Prep |            |
| 890-4791-3           | SW-12                  | Total/NA  | Solid  | 8015NM Prep |            |
| 890-4791-4           | SW-15                  | Total/NA  | Solid  | 8015NM Prep |            |
| 890-4791-5           | SW-16                  | Total/NA  | Solid  | 8015NM Prep |            |
| MB 880-55021/1-A     | Method Blank           | Total/NA  | Solid  | 8015NM Prep |            |
| LCS 880-55021/2-A    | Lab Control Sample     | Total/NA  | Solid  | 8015NM Prep |            |
| LCSD 880-55021/3-A   | Lab Control Sample Dup | Total/NA  | Solid  | 8015NM Prep |            |
| 880-29221-A-21-C MS  | Matrix Spike           | Total/NA  | Solid  | 8015NM Prep |            |
| 880-29221-A-21-D MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 8015NM Prep |            |

Eurofins Carlsbad

QC Association Summary

Client: TRC Solutions, Inc.  
Project/Site: Rocket Fed #5H

Job ID: 890-4791-1  
SDG: 495436

GC Semi VOA

Analysis Batch: 55082

| Lab Sample ID        | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|----------------------|------------------------|-----------|--------|----------|------------|
| 890-4791-1           | SW-10A                 | Total/NA  | Solid  | 8015B NM | 55021      |
| 890-4791-2           | SW-11                  | Total/NA  | Solid  | 8015B NM | 55021      |
| 890-4791-3           | SW-12                  | Total/NA  | Solid  | 8015B NM | 55021      |
| 890-4791-4           | SW-15                  | Total/NA  | Solid  | 8015B NM | 55021      |
| 890-4791-5           | SW-16                  | Total/NA  | Solid  | 8015B NM | 55021      |
| MB 880-55021/1-A     | Method Blank           | Total/NA  | Solid  | 8015B NM | 55021      |
| LCS 880-55021/2-A    | Lab Control Sample     | Total/NA  | Solid  | 8015B NM | 55021      |
| LCSD 880-55021/3-A   | Lab Control Sample Dup | Total/NA  | Solid  | 8015B NM | 55021      |
| 880-29221-A-21-C MS  | Matrix Spike           | Total/NA  | Solid  | 8015B NM | 55021      |
| 880-29221-A-21-D MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 8015B NM | 55021      |

Analysis Batch: 55202

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method  | Prep Batch |
|---------------|------------------|-----------|--------|---------|------------|
| 890-4791-1    | SW-10A           | Total/NA  | Solid  | 8015 NM |            |
| 890-4791-2    | SW-11            | Total/NA  | Solid  | 8015 NM |            |
| 890-4791-3    | SW-12            | Total/NA  | Solid  | 8015 NM |            |
| 890-4791-4    | SW-15            | Total/NA  | Solid  | 8015 NM |            |
| 890-4791-5    | SW-16            | Total/NA  | Solid  | 8015 NM |            |

HPLC/IC

Leach Batch: 55044

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| 890-4791-1         | SW-10A                 | Soluble   | Solid  | DI Leach |            |
| 890-4791-2         | SW-11                  | Soluble   | Solid  | DI Leach |            |
| 890-4791-3         | SW-12                  | Soluble   | Solid  | DI Leach |            |
| 890-4791-4         | SW-15                  | Soluble   | Solid  | DI Leach |            |
| 890-4791-5         | SW-16                  | Soluble   | Solid  | DI Leach |            |
| MB 880-55044/1-A   | Method Blank           | Soluble   | Solid  | DI Leach |            |
| LCS 880-55044/2-A  | Lab Control Sample     | Soluble   | Solid  | DI Leach |            |
| LCSD 880-55044/3-A | Lab Control Sample Dup | Soluble   | Solid  | DI Leach |            |
| 890-4791-1 MS      | SW-10A                 | Soluble   | Solid  | DI Leach |            |
| 890-4791-1 MSD     | SW-10A                 | Soluble   | Solid  | DI Leach |            |

Analysis Batch: 55137

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 890-4791-1         | SW-10A                 | Soluble   | Solid  | 300.0  | 55044      |
| 890-4791-2         | SW-11                  | Soluble   | Solid  | 300.0  | 55044      |
| 890-4791-3         | SW-12                  | Soluble   | Solid  | 300.0  | 55044      |
| 890-4791-4         | SW-15                  | Soluble   | Solid  | 300.0  | 55044      |
| 890-4791-5         | SW-16                  | Soluble   | Solid  | 300.0  | 55044      |
| MB 880-55044/1-A   | Method Blank           | Soluble   | Solid  | 300.0  | 55044      |
| LCS 880-55044/2-A  | Lab Control Sample     | Soluble   | Solid  | 300.0  | 55044      |
| LCSD 880-55044/3-A | Lab Control Sample Dup | Soluble   | Solid  | 300.0  | 55044      |
| 890-4791-1 MS      | SW-10A                 | Soluble   | Solid  | 300.0  | 55044      |
| 890-4791-1 MSD     | SW-10A                 | Soluble   | Solid  | 300.0  | 55044      |



Lab Chronicle

Client: TRC Solutions, Inc.  
Project/Site: Rocket Fed #5H

Job ID: 890-4791-1  
SDG: 495436

Client Sample ID: SW-10A  
Date Collected: 06/07/23 10:00  
Date Received: 06/07/23 16:45

Lab Sample ID: 890-4791-1  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.05 g         | 5 mL         | 55142        | 06/09/23 12:15       | EL      | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 55090        | 06/10/23 15:03       | AJ      | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 55268        | 06/12/23 13:03       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 55202        | 06/09/23 21:28       | AJ      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 55021        | 06/08/23 09:44       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 55082        | 06/09/23 12:23       | AJ      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.96 g         | 50 mL        | 55044        | 06/08/23 14:16       | KS      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 55137        | 06/09/23 11:47       | CH      | EET MID |

Client Sample ID: SW-11  
Date Collected: 06/07/23 10:10  
Date Received: 06/07/23 16:45

Lab Sample ID: 890-4791-2  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.96 g         | 5 mL         | 55142        | 06/09/23 12:15       | EL      | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 55090        | 06/10/23 15:24       | AJ      | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 55268        | 06/12/23 13:03       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 55202        | 06/09/23 21:28       | AJ      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.04 g        | 10 mL        | 55021        | 06/08/23 09:44       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 55082        | 06/09/23 12:45       | AJ      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.01 g         | 50 mL        | 55044        | 06/08/23 14:16       | KS      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 55137        | 06/09/23 12:02       | CH      | EET MID |

Client Sample ID: SW-12  
Date Collected: 06/07/23 12:30  
Date Received: 06/07/23 16:45

Lab Sample ID: 890-4791-3  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.04 g         | 5 mL         | 55142        | 06/09/23 12:15       | EL      | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 55090        | 06/10/23 17:15       | AJ      | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 55268        | 06/12/23 13:03       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 55202        | 06/09/23 21:28       | AJ      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.03 g        | 10 mL        | 55021        | 06/08/23 09:44       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 55082        | 06/09/23 13:07       | AJ      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.01 g         | 50 mL        | 55044        | 06/08/23 14:16       | KS      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 55137        | 06/09/23 12:08       | CH      | EET MID |

Client Sample ID: SW-15  
Date Collected: 06/07/23 03:30  
Date Received: 06/07/23 16:45

Lab Sample ID: 890-4791-4  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.01 g         | 5 mL         | 55142        | 06/09/23 12:15       | EL      | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 55090        | 06/10/23 17:36       | AJ      | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 55268        | 06/12/23 13:03       | AJ      | EET MID |

Eurofins Carlsbad

Lab Chronicle

Client: TRC Solutions, Inc.  
Project/Site: Rocket Fed #5H

Job ID: 890-4791-1  
SDG: 495436

Client Sample ID: SW-15  
Date Collected: 06/07/23 03:30  
Date Received: 06/07/23 16:45

Lab Sample ID: 890-4791-4  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 55202        | 06/09/23 21:28       | AJ      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 55021        | 06/08/23 09:44       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 55082        | 06/09/23 13:28       | AJ      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.98 g         | 50 mL        | 55044        | 06/08/23 14:16       | KS      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 55137        | 06/09/23 12:13       | CH      | EET MID |

Client Sample ID: SW-16  
Date Collected: 06/07/23 13:40  
Date Received: 06/07/23 16:45

Lab Sample ID: 890-4791-5  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.05 g         | 5 mL         | 55142        | 06/09/23 12:15       | EL      | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 55090        | 06/10/23 17:56       | AJ      | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 55268        | 06/12/23 13:03       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 55202        | 06/09/23 21:28       | AJ      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 55021        | 06/08/23 09:44       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 55082        | 06/09/23 13:51       | AJ      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.96 g         | 50 mL        | 55044        | 06/08/23 14:16       | KS      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 55137        | 06/09/23 12:18       | 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.  
Project/Site: Rocket Fed #5H

Job ID: 890-4791-1  
SDG: 495436

Laboratory: Eurofins Midland

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

| Authority | Program | Identification Number | Expiration Date |
|-----------|---------|-----------------------|-----------------|
| Texas     | NELAP   | T104704400-22-25      | 06-30-23        |

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

| Analysis Method | Prep Method | Matrix | Analyte    |
|-----------------|-------------|--------|------------|
| 8015 NM         |             | Solid  | Total TPH  |
| Total BTEX      |             | Solid  | Total BTEX |

- 1
- 2
- 3
- 4
- 5
- 6
- 7
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- 9
- 10
- 11
- 12
- 13
- 14

Method Summary

Client: TRC Solutions, Inc.  
Project/Site: Rocket Fed #5H

Job ID: 890-4791-1  
SDG: 495436

| 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: Rocket Fed #5H

Job ID: 890-4791-1  
SDG: 495436

| Lab Sample ID | Client Sample ID | Matrix | Collected      | Received       |
|---------------|------------------|--------|----------------|----------------|
| 890-4791-1    | SW-10A           | Solid  | 06/07/23 10:00 | 06/07/23 16:45 |
| 890-4791-2    | SW-11            | Solid  | 06/07/23 10:10 | 06/07/23 16:45 |
| 890-4791-3    | SW-12            | Solid  | 06/07/23 12:30 | 06/07/23 16:45 |
| 890-4791-4    | SW-15            | Solid  | 06/07/23 03:30 | 06/07/23 16:45 |
| 890-4791-5    | SW-16            | Solid  | 06/07/23 13:40 | 06/07/23 16:45 |

- 1
- 2
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- 10
- 11
- 12
- 13
- 14





## Environment Testing

Houston, TX (281) 240-4200, Dallas, TX (214) 502-0300  
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334  
El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1266  
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

## Chain of Custody

Work Order No: \_\_\_\_\_

www.xenco.com Page 1 of 1

|                  |                 |                         |                 |
|------------------|-----------------|-------------------------|-----------------|
| Project Manager: | Jared Stotick   | Bill to: (if different) |                 |
| Company Name:    | 712 C           | Company Name:           |                 |
| Address:         | 100554 DR #130E | Address:                |                 |
| City, State ZIP: | Mary TX 76205   | City, State ZIP:        |                 |
| Phone:           | 432,238,3003    | Email:                  | Jared@TheMassic |



| Work Order Comments |                                   |                                    |                                      |   |
|---------------------|-----------------------------------|------------------------------------|--------------------------------------|---|
| Program:            | UST/PST <input type="checkbox"/>  | PRP <input type="checkbox"/>       | Brownfields <input type="checkbox"/> | RRC <input type="checkbox"/> Superfund <input type="checkbox"/> |
| State of Project:   |                                   |                                    |                                      |   |
| Reporting:          | Level II <input type="checkbox"/> | Level III <input type="checkbox"/> | PST/UST <input type="checkbox"/>     | TRRP <input type="checkbox"/> Level IV <input type="checkbox"/> |
| Deliverables:       | EDD <input type="checkbox"/>      | ADAPT <input type="checkbox"/>     | Other: <input type="text"/>          |   |

|   |  |                            |  |  |  |
|---|--|----------------------------|--|--|--|
| Project Name:   |  | R&B Feb #54                |  | Turn Around  |  |
| Project Number:   |  | 445436                     |  | <input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush 24 |  |
| Project Location:   |  |                            |  | Due Date:  |  |
| Sampler's Name:   |  | Katie Seaman               |  | TAT starts the day received by the lab, if received by 4:30pm                |  |
| PO #:   |  |                            |  |  |  |
| SAMPLE RECEIPT  |  | Temp Blank:                |  | Wet Ice:   |  |
|   |  | Yes No                     |  | Yes No   |  |
| Samples Received Intact:  |  | Yes No                     |  | Thermometer ID: 1W1A007  |  |
| Cooler Custody Seals:   |  | Yes No N/A                 |  | Correction Factor: -0.2  |  |
| Sample Custody Seals:   |  | Yes No N/A                 |  | Temperature Reading: 16.2  |  |
| Total Containers:   |  |                            |  | Corrected Temperature: 16.0  |  |
| Parameters  |  |                            |  | Pres. Code   |  |
| 4012 300  |  |                            |  |  |  |
| 23 921  |  |                            |  |  |  |
| H 808   |  |                            |  |  |  |
| ANALYSIS REQUEST  |  |                            |  |  |  |
| Preservative Codes  |  |                            |  |  |  |
| None: NO  |  | DI Water: H <sub>2</sub> O |  |  |  |
| Cool: Cool  |  | MeOH: Me                   |  |  |  |
| HCL: HC   |  | HNO <sub>3</sub> : HN      |  |  |  |
| H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>                   |  | NaOH: Na                   |  |  |  |
| H <sub>3</sub> PO <sub>4</sub> : HP                               |  |                            |  |  |  |
| NaHSO <sub>4</sub> : NABIS  |  |                            |  |  |  |
| Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub> |  |                            |  |  |  |
| Zn Acetate+NaOH: Zn   |  |                            |  |  |  |
| NaOH+Ascorbic Acid: SAPC  |  |                            |  |  |  |

[illegible]

| Total 200.7/6010                             | 200.8/6020:   |   |
|--|---|---|
| 8RCRA 13PPM                                  | Texas 11  | Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO <sub>2</sub> Na Sr Ti Sn U V Zn |
| Circle Method(s) and Metal(s) to be analyzed | TCLP/SPLP 6010 : 8RCRA 5b As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U | Hg: 1631/245.1/7470/7471  |

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xeno, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xeno 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 Xeno. A minimum charge of \$55.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xeno, but not analyzed. These terms will be enforced unless previously negotiated.

| Relinquished by: (Signature)  | Received by: (Signature)  | Date/Time     | Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
|---|---|---------------|------------------------------|--------------------------|-----------|
|  |  | 11-7-23 11:45 |                              |                          |           |
|   |   |               |                              |                          |           |
|   |   |               |                              |                          |           |
|   |   |               |                              |                          |           |
|   |   |               |                              |                          |           |
|   |   |               |                              |                          |           |

DL-44 (Rev. 08-01-2010) BSA 50003

## Login Sample Receipt Checklist

Client: TRC Solutions, Inc.

Job Number: 890-4791-1

SDG Number: 495436

Login Number: 4791

List Number: 1

Creator: Clifton, Cloe

List Source: Eurofins Carlsbad

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

## Login Sample Receipt Checklist

Client: TRC Solutions, Inc.

Job Number: 890-4791-1

SDG Number: 495436

Login Number: 4791

List Number: 2

Creator: Rodriguez, Leticia

List Source: Eurofins Midland

List Creation: 06/09/23 10:21 AM

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



Environment Testing

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# ANALYTICAL REPORT

## PREPARED FOR

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

Generated 6/13/2023 11:53:29 AM

## JOB DESCRIPTION

Rocket Fed #5H

## JOB NUMBER

880-29346-1

Eurofins Midland  
1211 W. Florida Ave  
Midland TX 79701

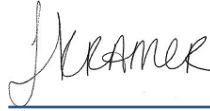
# Eurofins Midland

## 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  
6/13/2023 11:53:29 AM

Authorized for release by  
Jessica Kramer, Project Manager  
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(432)704-5440



Client: TRC Solutions, Inc.  
Project/Site: Rocket Fed #5H

Laboratory Job ID: 880-29346-1

# Table of Contents

|                                  |    |
|----------------------------------|----|
| Cover Page . . . . .             | 1  |
| Table of Contents . . . . .      | 3  |
| Definitions/Glossary . . . . .   | 4  |
| Case Narrative . . . . .         | 5  |
| Client Sample Results . . . . .  | 6  |
| Surrogate Summary . . . . .      | 21 |
| QC Sample Results . . . . .      | 23 |
| QC Association Summary . . . . . | 29 |
| Lab Chronicle . . . . .          | 34 |
| Certification Summary . . . . .  | 40 |
| Method Summary . . . . .         | 41 |
| Sample Summary . . . . .         | 42 |
| Chain of Custody . . . . .       | 43 |
| Receipt Checklists . . . . .     | 45 |

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Definitions/Glossary

Client: TRC Solutions, Inc.  
Project/Site: Rocket Fed #5H

Job ID: 880-29346-1

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

## Case Narrative

Client: TRC Solutions, Inc.  
Project/Site: Rocket Fed #5H

Job ID: 880-29346-1

**Job ID: 880-29346-1****Laboratory: Eurofins Midland****Narrative****Job Narrative  
880-29346-1****Receipt**

The samples were received on 6/9/2023 3:22 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 2.1°C

**Receipt Exceptions**

The following samples were received and analyzed from an unpreserved bulk soil jar: FL-8 @ 4 (880-29346-1), FL-9 @ 4 (880-29346-2), FL-10 @ 4 (880-29346-3), FL-11 @ 4 (880-29346-4), FL-12 @ 4 (880-29346-5), FL-13 @ 4 (880-29346-6), FL-14 @ 4 (880-29346-7), FL-15 @ 4 (880-29346-8), SW-13 (880-29346-9), SW-17 (880-29346-10), SW-18 (880-29346-11), FL-16 @ 4 (880-29346-12), FL-17 @ 4 (880-29346-13), FL-18 @ 4 (880-29346-14), FL-19 @ 4 (880-29346-15), FL-20 @ 4 (880-29346-16), FL-21 @ 4 (880-29346-17) and SW-14 (880-29346-18).

**GC VOA**

Method 8021B: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for preparation batch 880-55176 and analytical batch 880-55243 recovered outside control limits for the following analytes: Benzene. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-55176 and analytical batch 880-55243 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 8021B: CCV was biased low for o-xylene and m,p xylenes. Another CCV was analyzed and acceptable for the compounds within the 12 hour window; therefore, the associated data was qualified and reported.(CCV 880-55243/33)

Method 8021B: Surrogate recovery for the following samples were outside control limits: (MB 880-55176/5-A) and (880-29346-A-1-E 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.

**GC Semi VOA**

Method 8015MOD\_NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-55185/2-A), (LCSD 880-55185/3-A) and (MB 880-55185/1-A). Evidence of matrix interferences is not obvious.

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

**HPLC/IC**

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

## Client Sample Results

Client: TRC Solutions, Inc.  
Project/Site: Rocket Fed #5H

Job ID: 880-29346-1

Client Sample ID: FL-8 @ 4

Lab Sample ID: 880-29346-1

Date Collected: 06/07/23 14:25

Matrix: Solid

Date Received: 06/09/23 15:22

Sample Depth: 4

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

| Analyte             | Result   | Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00199 | U **      | 0.00199 | mg/Kg |   | 06/09/23 16:35 | 06/12/23 12:48 | 1       |
| Toluene             | <0.00199 | U         | 0.00199 | mg/Kg |   | 06/09/23 16:35 | 06/12/23 12:48 | 1       |
| Ethylbenzene        | <0.00199 | U         | 0.00199 | mg/Kg |   | 06/09/23 16:35 | 06/12/23 12:48 | 1       |
| m-Xylene & p-Xylene | <0.00398 | U F1 F2   | 0.00398 | mg/Kg |   | 06/09/23 16:35 | 06/12/23 12:48 | 1       |
| o-Xylene            | <0.00199 | U F1 F2   | 0.00199 | mg/Kg |   | 06/09/23 16:35 | 06/12/23 12:48 | 1       |
| Xylenes, Total      | <0.00398 | U F1 F2   | 0.00398 | mg/Kg |   | 06/09/23 16:35 | 06/12/23 12:48 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 89        |           | 70 - 130 | 06/09/23 16:35 | 06/12/23 12:48 | 1       |
| 1,4-Difluorobenzene (Surr)  | 89        |           | 70 - 130 | 06/09/23 16:35 | 06/12/23 12:48 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00398 | U         | 0.00398 | mg/Kg |   |          | 06/13/23 11:41 | 1       |

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

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.9  | U         | 49.9 | mg/Kg |   |          | 06/12/23 14:08 | 1       |

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

| Analyte                              | Result | Qualifier | RL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9  | U         | 49.9 | mg/Kg |   | 06/09/23 17:18 | 06/11/23 20:39 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9  | U         | 49.9 | mg/Kg |   | 06/09/23 17:18 | 06/11/23 20:39 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9  | U         | 49.9 | mg/Kg |   | 06/09/23 17:18 | 06/11/23 20:39 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 93        |           | 70 - 130 | 06/09/23 17:18 | 06/11/23 20:39 | 1       |
| o-Terphenyl    | 105       |           | 70 - 130 | 06/09/23 17:18 | 06/11/23 20:39 | 1       |

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

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 381    |           | 5.01 | mg/Kg |   |          | 06/10/23 01:24 | 1       |

Client Sample ID: FL-9 @ 4

Lab Sample ID: 880-29346-2

Date Collected: 06/07/23 14:30

Matrix: Solid

Date Received: 06/09/23 15:22

Sample Depth: 4

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

| Analyte             | Result   | Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00198 | U **      | 0.00198 | mg/Kg |   | 06/09/23 16:35 | 06/12/23 13:08 | 1       |
| Toluene             | <0.00198 | U         | 0.00198 | mg/Kg |   | 06/09/23 16:35 | 06/12/23 13:08 | 1       |
| Ethylbenzene        | <0.00198 | U         | 0.00198 | mg/Kg |   | 06/09/23 16:35 | 06/12/23 13:08 | 1       |
| m-Xylene & p-Xylene | <0.00396 | U         | 0.00396 | mg/Kg |   | 06/09/23 16:35 | 06/12/23 13:08 | 1       |
| o-Xylene            | <0.00198 | U         | 0.00198 | mg/Kg |   | 06/09/23 16:35 | 06/12/23 13:08 | 1       |
| Xylenes, Total      | <0.00396 | U         | 0.00396 | mg/Kg |   | 06/09/23 16:35 | 06/12/23 13:08 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 95        |           | 70 - 130 | 06/09/23 16:35 | 06/12/23 13:08 | 1       |

Eurofins Midland

## Client Sample Results

Client: TRC Solutions, Inc.  
Project/Site: Rocket Fed #5H

Job ID: 880-29346-1

Client Sample ID: FL-9 @ 4

Lab Sample ID: 880-29346-2

Date Collected: 06/07/23 14:30

Matrix: Solid

Date Received: 06/09/23 15:22

Sample Depth: 4

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

| Surrogate                  | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1,4-Difluorobenzene (Surr) | 82        |           | 70 - 130 | 06/09/23 16:35 | 06/12/23 13:08 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00396 | U         | 0.00396 | mg/Kg |   |          | 06/13/23 11:41 | 1       |

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

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.9  | U         | 49.9 | mg/Kg |   |          | 06/12/23 14:08 | 1       |

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

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9     | U         | 49.9     | mg/Kg |   | 06/09/23 17:18 | 06/11/23 21:43 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9     | U         | 49.9     | mg/Kg |   | 06/09/23 17:18 | 06/11/23 21:43 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9     | U         | 49.9     | mg/Kg |   | 06/09/23 17:18 | 06/11/23 21:43 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 95        |           | 70 - 130 |       |   | 06/09/23 17:18 | 06/11/23 21:43 | 1       |
| o-Terphenyl                          | 107       |           | 70 - 130 |       |   | 06/09/23 17:18 | 06/11/23 21:43 | 1       |

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

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 779    |           | 5.02 | mg/Kg |   |          | 06/10/23 01:40 | 1       |

Client Sample ID: FL-10 @ 4

Lab Sample ID: 880-29346-3

Date Collected: 06/07/23 14:35

Matrix: Solid

Date Received: 06/09/23 15:22

Sample Depth: 4

## 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 |   | 06/09/23 16:35  | 06/12/23 13:29  | 1              |
| Toluene                     | <0.00200         | U                | 0.00200       | mg/Kg |   | 06/09/23 16:35  | 06/12/23 13:29  | 1              |
| Ethylbenzene                | <0.00200         | U                | 0.00200       | mg/Kg |   | 06/09/23 16:35  | 06/12/23 13:29  | 1              |
| m-Xylene & p-Xylene         | <0.00401         | U                | 0.00401       | mg/Kg |   | 06/09/23 16:35  | 06/12/23 13:29  | 1              |
| o-Xylene                    | <0.00200         | U                | 0.00200       | mg/Kg |   | 06/09/23 16:35  | 06/12/23 13:29  | 1              |
| Xylenes, Total              | <0.00401         | U                | 0.00401       | mg/Kg |   | 06/09/23 16:35  | 06/12/23 13:29  | 1              |
| <b>Surrogate</b>            | <b>%Recovery</b> | <b>Qualifier</b> | <b>Limits</b> |       |   | <b>Prepared</b> | <b>Analyzed</b> | <b>Dil Fac</b> |
| 4-Bromofluorobenzene (Surr) | 89               |                  | 70 - 130      |       |   | 06/09/23 16:35  | 06/12/23 13:29  | 1              |
| 1,4-Difluorobenzene (Surr)  | 85               |                  | 70 - 130      |       |   | 06/09/23 16:35  | 06/12/23 13:29  | 1              |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00401 | U         | 0.00401 | mg/Kg |   |          | 06/13/23 11:41 | 1       |

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

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <50.0  | U         | 50.0 | mg/Kg |   |          | 06/12/23 14:08 | 1       |

Eurofins Midland

## Client Sample Results

Client: TRC Solutions, Inc.  
Project/Site: Rocket Fed #5H

Job ID: 880-29346-1

Client Sample ID: FL-10 @ 4

Lab Sample ID: 880-29346-3

Date Collected: 06/07/23 14:35

Matrix: Solid

Date Received: 06/09/23 15:22

Sample Depth: 4

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

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0     | U         | 50.0     | mg/Kg |   | 06/09/23 17:18 | 06/11/23 22:04 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0     | U         | 50.0     | mg/Kg |   | 06/09/23 17:18 | 06/11/23 22:04 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0     | U         | 50.0     | mg/Kg |   | 06/09/23 17:18 | 06/11/23 22:04 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 96        |           | 70 - 130 |       |   | 06/09/23 17:18 | 06/11/23 22:04 | 1       |
| o-Terphenyl                          | 107       |           | 70 - 130 |       |   | 06/09/23 17:18 | 06/11/23 22:04 | 1       |

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

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 1620   |           | 25.0 | mg/Kg |   |          | 06/10/23 01:45 | 5       |

Client Sample ID: FL-11 @ 4

Lab Sample ID: 880-29346-4

Date Collected: 06/07/23 14:40

Matrix: Solid

Date Received: 06/09/23 15:22

Sample Depth: 4

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

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00201  | U *       | 0.00201  | mg/Kg |   | 06/09/23 16:35 | 06/12/23 13:49 | 1       |
| Toluene                     | <0.00201  | U         | 0.00201  | mg/Kg |   | 06/09/23 16:35 | 06/12/23 13:49 | 1       |
| Ethylbenzene                | <0.00201  | U         | 0.00201  | mg/Kg |   | 06/09/23 16:35 | 06/12/23 13:49 | 1       |
| m-Xylene & p-Xylene         | <0.00402  | U         | 0.00402  | mg/Kg |   | 06/09/23 16:35 | 06/12/23 13:49 | 1       |
| o-Xylene                    | <0.00201  | U         | 0.00201  | mg/Kg |   | 06/09/23 16:35 | 06/12/23 13:49 | 1       |
| Xylenes, Total              | <0.00402  | U         | 0.00402  | mg/Kg |   | 06/09/23 16:35 | 06/12/23 13:49 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 90        |           | 70 - 130 |       |   | 06/09/23 16:35 | 06/12/23 13:49 | 1       |
| 1,4-Difluorobenzene (Surr)  | 84        |           | 70 - 130 |       |   | 06/09/23 16:35 | 06/12/23 13:49 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00402 | U         | 0.00402 | mg/Kg |   |          | 06/13/23 11:41 | 1       |

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

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <50.0  | U         | 50.0 | mg/Kg |   |          | 06/12/23 14:08 | 1       |

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

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0     | U         | 50.0     | mg/Kg |   | 06/09/23 17:18 | 06/11/23 22:25 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0     | U         | 50.0     | mg/Kg |   | 06/09/23 17:18 | 06/11/23 22:25 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0     | U         | 50.0     | mg/Kg |   | 06/09/23 17:18 | 06/11/23 22:25 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 94        |           | 70 - 130 |       |   | 06/09/23 17:18 | 06/11/23 22:25 | 1       |
| o-Terphenyl                          | 105       |           | 70 - 130 |       |   | 06/09/23 17:18 | 06/11/23 22:25 | 1       |

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## Client Sample Results

Client: TRC Solutions, Inc.  
Project/Site: Rocket Fed #5H

Job ID: 880-29346-1

Client Sample ID: FL-11 @ 4

Lab Sample ID: 880-29346-4

Date Collected: 06/07/23 14:40

Matrix: Solid

Date Received: 06/09/23 15:22

Sample Depth: 4

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

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 110    |           | 4.95 | mg/Kg |   |          | 06/10/23 01:51 | 1       |

Client Sample ID: FL-12 @ 4

Lab Sample ID: 880-29346-5

Date Collected: 06/07/23 14:45

Matrix: Solid

Date Received: 06/09/23 15:22

Sample Depth: 4

## 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 |   | 06/09/23 16:35 | 06/12/23 14:10 | 1       |
| Toluene                     | <0.00200  | U         | 0.00200  | mg/Kg |   | 06/09/23 16:35 | 06/12/23 14:10 | 1       |
| Ethylbenzene                | <0.00200  | U         | 0.00200  | mg/Kg |   | 06/09/23 16:35 | 06/12/23 14:10 | 1       |
| m-Xylene & p-Xylene         | <0.00401  | U         | 0.00401  | mg/Kg |   | 06/09/23 16:35 | 06/12/23 14:10 | 1       |
| o-Xylene                    | <0.00200  | U         | 0.00200  | mg/Kg |   | 06/09/23 16:35 | 06/12/23 14:10 | 1       |
| Xylenes, Total              | <0.00401  | U         | 0.00401  | mg/Kg |   | 06/09/23 16:35 | 06/12/23 14:10 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 92        |           | 70 - 130 |       |   | 06/09/23 16:35 | 06/12/23 14:10 | 1       |
| 1,4-Difluorobenzene (Surr)  | 75        |           | 70 - 130 |       |   | 06/09/23 16:35 | 06/12/23 14:10 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00401 | U         | 0.00401 | mg/Kg |   |          | 06/13/23 11:41 | 1       |

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

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <50.0  | U         | 50.0 | mg/Kg |   |          | 06/12/23 14:08 | 1       |

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

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0     | U         | 50.0     | mg/Kg |   | 06/09/23 17:18 | 06/11/23 22:47 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0     | U         | 50.0     | mg/Kg |   | 06/09/23 17:18 | 06/11/23 22:47 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0     | U         | 50.0     | mg/Kg |   | 06/09/23 17:18 | 06/11/23 22:47 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 94        |           | 70 - 130 |       |   | 06/09/23 17:18 | 06/11/23 22:47 | 1       |
| o-Terphenyl                          | 106       |           | 70 - 130 |       |   | 06/09/23 17:18 | 06/11/23 22:47 | 1       |

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

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 777    |           | 4.98 | mg/Kg |   |          | 06/10/23 01:56 | 1       |

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## Client Sample Results

Client: TRC Solutions, Inc.  
Project/Site: Rocket Fed #5H

Job ID: 880-29346-1

Client Sample ID: FL-13 @ 4

Lab Sample ID: 880-29346-6

Date Collected: 06/07/23 14:50

Matrix: Solid

Date Received: 06/09/23 15:22

Sample Depth: 4

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

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00202  | U **      | 0.00202  | mg/Kg |   | 06/09/23 16:35 | 06/12/23 14:30 | 1       |
| Toluene                     | <0.00202  | U         | 0.00202  | mg/Kg |   | 06/09/23 16:35 | 06/12/23 14:30 | 1       |
| Ethylbenzene                | <0.00202  | U         | 0.00202  | mg/Kg |   | 06/09/23 16:35 | 06/12/23 14:30 | 1       |
| m-Xylene & p-Xylene         | <0.00404  | U         | 0.00404  | mg/Kg |   | 06/09/23 16:35 | 06/12/23 14:30 | 1       |
| o-Xylene                    | <0.00202  | U         | 0.00202  | mg/Kg |   | 06/09/23 16:35 | 06/12/23 14:30 | 1       |
| Xylenes, Total              | <0.00404  | U         | 0.00404  | mg/Kg |   | 06/09/23 16:35 | 06/12/23 14:30 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 91        |           | 70 - 130 |       |   | 06/09/23 16:35 | 06/12/23 14:30 | 1       |
| 1,4-Difluorobenzene (Surr)  | 89        |           | 70 - 130 |       |   | 06/09/23 16:35 | 06/12/23 14:30 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00404 | U         | 0.00404 | mg/Kg |   |          | 06/13/23 11:41 | 1       |

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

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.8  | U         | 49.8 | mg/Kg |   |          | 06/12/23 14:08 | 1       |

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

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.8     | U         | 49.8     | mg/Kg |   | 06/09/23 17:18 | 06/11/23 23:08 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.8     | U         | 49.8     | mg/Kg |   | 06/09/23 17:18 | 06/11/23 23:08 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.8     | U         | 49.8     | mg/Kg |   | 06/09/23 17:18 | 06/11/23 23:08 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 96        |           | 70 - 130 |       |   | 06/09/23 17:18 | 06/11/23 23:08 | 1       |
| o-Terphenyl                          | 109       |           | 70 - 130 |       |   | 06/09/23 17:18 | 06/11/23 23:08 | 1       |

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

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 764    |           | 5.02 | mg/Kg |   |          | 06/10/23 02:12 | 1       |

Client Sample ID: FL-14 @ 4

Lab Sample ID: 880-29346-7

Date Collected: 06/07/23 14:55

Matrix: Solid

Date Received: 06/09/23 15:22

Sample Depth: 4

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

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00202  | U **      | 0.00202  | mg/Kg |   | 06/09/23 16:35 | 06/12/23 14:51 | 1       |
| Toluene                     | <0.00202  | U         | 0.00202  | mg/Kg |   | 06/09/23 16:35 | 06/12/23 14:51 | 1       |
| Ethylbenzene                | <0.00202  | U         | 0.00202  | mg/Kg |   | 06/09/23 16:35 | 06/12/23 14:51 | 1       |
| m-Xylene & p-Xylene         | <0.00403  | U         | 0.00403  | mg/Kg |   | 06/09/23 16:35 | 06/12/23 14:51 | 1       |
| o-Xylene                    | <0.00202  | U         | 0.00202  | mg/Kg |   | 06/09/23 16:35 | 06/12/23 14:51 | 1       |
| Xylenes, Total              | <0.00403  | U         | 0.00403  | mg/Kg |   | 06/09/23 16:35 | 06/12/23 14:51 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 92        |           | 70 - 130 |       |   | 06/09/23 16:35 | 06/12/23 14:51 | 1       |

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## Client Sample Results

Client: TRC Solutions, Inc.  
Project/Site: Rocket Fed #5H

Job ID: 880-29346-1

Client Sample ID: FL-14 @ 4

Lab Sample ID: 880-29346-7

Date Collected: 06/07/23 14:55

Matrix: Solid

Date Received: 06/09/23 15:22

Sample Depth: 4

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

| Surrogate                  | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1,4-Difluorobenzene (Surr) | 89        |           | 70 - 130 | 06/09/23 16:35 | 06/12/23 14:51 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00403 | U         | 0.00403 | mg/Kg |   |          | 06/13/23 11:41 | 1       |

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

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.9  | U         | 49.9 | mg/Kg |   |          | 06/12/23 14:08 | 1       |

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

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9     | U         | 49.9     | mg/Kg |   | 06/09/23 17:18 | 06/11/23 23:30 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9     | U         | 49.9     | mg/Kg |   | 06/09/23 17:18 | 06/11/23 23:30 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9     | U         | 49.9     | mg/Kg |   | 06/09/23 17:18 | 06/11/23 23:30 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 93        |           | 70 - 130 |       |   | 06/09/23 17:18 | 06/11/23 23:30 | 1       |
| o-Terphenyl                          | 103       |           | 70 - 130 |       |   | 06/09/23 17:18 | 06/11/23 23:30 | 1       |

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

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 646    |           | 50.5 | mg/Kg |   |          | 06/10/23 02:17 | 10      |

Client Sample ID: FL-15 @ 4

Lab Sample ID: 880-29346-8

Date Collected: 06/07/23 15:00

Matrix: Solid

Date Received: 06/09/23 15:22

Sample Depth: 4

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

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00199  | U *       | 0.00199  | mg/Kg |   | 06/09/23 16:35 | 06/12/23 15:12 | 1       |
| Toluene                     | <0.00199  | U         | 0.00199  | mg/Kg |   | 06/09/23 16:35 | 06/12/23 15:12 | 1       |
| Ethylbenzene                | <0.00199  | U         | 0.00199  | mg/Kg |   | 06/09/23 16:35 | 06/12/23 15:12 | 1       |
| m-Xylene & p-Xylene         | <0.00398  | U         | 0.00398  | mg/Kg |   | 06/09/23 16:35 | 06/12/23 15:12 | 1       |
| o-Xylene                    | <0.00199  | U         | 0.00199  | mg/Kg |   | 06/09/23 16:35 | 06/12/23 15:12 | 1       |
| Xylenes, Total              | <0.00398  | U         | 0.00398  | mg/Kg |   | 06/09/23 16:35 | 06/12/23 15:12 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 91        |           | 70 - 130 |       |   | 06/09/23 16:35 | 06/12/23 15:12 | 1       |
| 1,4-Difluorobenzene (Surr)  | 89        |           | 70 - 130 |       |   | 06/09/23 16:35 | 06/12/23 15:12 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00398 | U         | 0.00398 | mg/Kg |   |          | 06/13/23 11:41 | 1       |

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

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.9  | U         | 49.9 | mg/Kg |   |          | 06/12/23 14:08 | 1       |

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## Client Sample Results

Client: TRC Solutions, Inc.  
Project/Site: Rocket Fed #5H

Job ID: 880-29346-1

Client Sample ID: FL-15 @ 4

Lab Sample ID: 880-29346-8

Date Collected: 06/07/23 15:00

Matrix: Solid

Date Received: 06/09/23 15:22

Sample Depth: 4

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

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9     | U         | 49.9     | mg/Kg |   | 06/09/23 17:18 | 06/11/23 23:51 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9     | U         | 49.9     | mg/Kg |   | 06/09/23 17:18 | 06/11/23 23:51 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9     | U         | 49.9     | mg/Kg |   | 06/09/23 17:18 | 06/11/23 23:51 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 93        |           | 70 - 130 |       |   | 06/09/23 17:18 | 06/11/23 23:51 | 1       |
| o-Terphenyl                          | 105       |           | 70 - 130 |       |   | 06/09/23 17:18 | 06/11/23 23:51 | 1       |

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

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 1220   |           | 25.0 | mg/Kg |   |          | 06/10/23 02:23 | 5       |

Client Sample ID: SW-13

Lab Sample ID: 880-29346-9

Date Collected: 06/08/23 15:45

Matrix: Solid

Date Received: 06/09/23 15:22

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

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00199  | U *       | 0.00199  | mg/Kg |   | 06/09/23 16:35 | 06/12/23 15:32 | 1       |
| Toluene                     | <0.00199  | U         | 0.00199  | mg/Kg |   | 06/09/23 16:35 | 06/12/23 15:32 | 1       |
| Ethylbenzene                | <0.00199  | U         | 0.00199  | mg/Kg |   | 06/09/23 16:35 | 06/12/23 15:32 | 1       |
| m-Xylene & p-Xylene         | <0.00398  | U         | 0.00398  | mg/Kg |   | 06/09/23 16:35 | 06/12/23 15:32 | 1       |
| o-Xylene                    | <0.00199  | U         | 0.00199  | mg/Kg |   | 06/09/23 16:35 | 06/12/23 15:32 | 1       |
| Xylenes, Total              | <0.00398  | U         | 0.00398  | mg/Kg |   | 06/09/23 16:35 | 06/12/23 15:32 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 88        |           | 70 - 130 |       |   | 06/09/23 16:35 | 06/12/23 15:32 | 1       |
| 1,4-Difluorobenzene (Surr)  | 86        |           | 70 - 130 |       |   | 06/09/23 16:35 | 06/12/23 15:32 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00398 | U         | 0.00398 | mg/Kg |   |          | 06/13/23 11:41 | 1       |

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

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.9  | U         | 49.9 | mg/Kg |   |          | 06/12/23 14:08 | 1       |

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

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9     | U         | 49.9     | mg/Kg |   | 06/09/23 17:18 | 06/12/23 00:12 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9     | U         | 49.9     | mg/Kg |   | 06/09/23 17:18 | 06/12/23 00:12 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9     | U         | 49.9     | mg/Kg |   | 06/09/23 17:18 | 06/12/23 00:12 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 96        |           | 70 - 130 |       |   | 06/09/23 17:18 | 06/12/23 00:12 | 1       |
| o-Terphenyl                          | 110       |           | 70 - 130 |       |   | 06/09/23 17:18 | 06/12/23 00:12 | 1       |

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Client Sample Results

Client: TRC Solutions, Inc.  
Project/Site: Rocket Fed #5H

Job ID: 880-29346-1

Client Sample ID: SW-13  
Date Collected: 06/08/23 15:45  
Date Received: 06/09/23 15:22

Lab Sample ID: 880-29346-9  
Matrix: Solid

| Method: EPA 300.0 - Anions, Ion Chromatography - Soluble |        |           |      |       |   |          |                |         |  |
|--|--------|-----------|------|-------|---|----------|----------------|---------|--|
| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |  |
| Chloride   | 67.0   |           | 4.96 | mg/Kg |   |          | 06/10/23 02:28 | 1       |  |

Client Sample ID: SW-17  
Date Collected: 06/08/23 16:00  
Date Received: 06/09/23 15:22

Lab Sample ID: 880-29346-10  
Matrix: Solid

| Method: SW846 8021B - Volatile Organic Compounds (GC) |           |           |          |       |   |                |                |         |  |
|---|-----------|-----------|----------|-------|---|----------------|----------------|---------|--|
| Analyte   | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |  |
| Benzene   | <0.00201  | U *       | 0.00201  | mg/Kg |   | 06/09/23 16:35 | 06/12/23 15:53 | 1       |  |
| Toluene   | 0.00214   |           | 0.00201  | mg/Kg |   | 06/09/23 16:35 | 06/12/23 15:53 | 1       |  |
| Ethylbenzene  | <0.00201  | U         | 0.00201  | mg/Kg |   | 06/09/23 16:35 | 06/12/23 15:53 | 1       |  |
| m-Xylene & p-Xylene                                   | <0.00402  | U         | 0.00402  | mg/Kg |   | 06/09/23 16:35 | 06/12/23 15:53 | 1       |  |
| o-Xylene  | <0.00201  | U         | 0.00201  | mg/Kg |   | 06/09/23 16:35 | 06/12/23 15:53 | 1       |  |
| Xylenes, Total  | <0.00402  | U         | 0.00402  | mg/Kg |   | 06/09/23 16:35 | 06/12/23 15:53 | 1       |  |
| Surrogate   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |  |
| 4-Bromofluorobenzene (Surr)                           | 95        |           | 70 - 130 |       |   | 06/09/23 16:35 | 06/12/23 15:53 | 1       |  |
| 1,4-Difluorobenzene (Surr)                            | 87        |           | 70 - 130 |       |   | 06/09/23 16:35 | 06/12/23 15:53 | 1       |  |

| Method: TAL SOP Total BTEX - Total BTEX Calculation |          |           |         |       |   |          |                |         |  |
|---|----------|-----------|---------|-------|---|----------|----------------|---------|--|
| Analyte   | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |  |
| Total BTEX  | <0.00402 | U         | 0.00402 | mg/Kg |   |          | 06/13/23 11:41 | 1       |  |

| Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC) |        |           |      |       |   |          |                |         |  |
|--|--------|-----------|------|-------|---|----------|----------------|---------|--|
| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |  |
| Total TPH  | <49.8  | U         | 49.8 | mg/Kg |   |          | 06/12/23 14:08 | 1       |  |

| Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) |           |           |          |       |   |                |                |         |  |
|---|-----------|-----------|----------|-------|---|----------------|----------------|---------|--|
| Analyte   | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |  |
| Gasoline Range Organics (GRO)-C6-C10                      | <49.8     | U         | 49.8     | mg/Kg |   | 06/09/23 17:18 | 06/12/23 00:32 | 1       |  |
| Diesel Range Organics (Over C10-C28)                      | <49.8     | U         | 49.8     | mg/Kg |   | 06/09/23 17:18 | 06/12/23 00:32 | 1       |  |
| Oil Range Organics (Over C28-C36)                         | <49.8     | U         | 49.8     | mg/Kg |   | 06/09/23 17:18 | 06/12/23 00:32 | 1       |  |
| Surrogate   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |  |
| 1-Chlorooctane  | 95        |           | 70 - 130 |       |   | 06/09/23 17:18 | 06/12/23 00:32 | 1       |  |
| o-Terphenyl   | 106       |           | 70 - 130 |       |   | 06/09/23 17:18 | 06/12/23 00:32 | 1       |  |

| Method: EPA 300.0 - Anions, Ion Chromatography - Soluble |        |           |      |       |   |          |                |         |  |
|--|--------|-----------|------|-------|---|----------|----------------|---------|--|
| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |  |
| Chloride   | 68.5   |           | 4.99 | mg/Kg |   |          | 06/10/23 02:33 | 1       |  |

Client Sample ID: SW-18  
Date Collected: 06/08/23 16:05  
Date Received: 06/09/23 15:22  
Sample Depth: 4

Lab Sample ID: 880-29346-11  
Matrix: Solid

| Method: SW846 8021B - Volatile Organic Compounds (GC) |          |           |         |       |   |                |                |         |  |
|---|----------|-----------|---------|-------|---|----------------|----------------|---------|--|
| Analyte   | Result   | Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |  |
| Benzene   | <0.00201 | U *       | 0.00201 | mg/Kg |   | 06/09/23 16:35 | 06/12/23 17:35 | 1       |  |
| Toluene   | <0.00201 | U         | 0.00201 | mg/Kg |   | 06/09/23 16:35 | 06/12/23 17:35 | 1       |  |

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## Client Sample Results

Client: TRC Solutions, Inc.  
Project/Site: Rocket Fed #5H

Job ID: 880-29346-1

Client Sample ID: SW-18

Lab Sample ID: 880-29346-11

Date Collected: 06/08/23 16:05

Matrix: Solid

Date Received: 06/09/23 15:22

Sample Depth: 4

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

| Analyte             | Result   | Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Ethylbenzene        | <0.00201 | U         | 0.00201 | mg/Kg |   | 06/09/23 16:35 | 06/12/23 17:35 | 1       |
| m-Xylene & p-Xylene | <0.00402 | U         | 0.00402 | mg/Kg |   | 06/09/23 16:35 | 06/12/23 17:35 | 1       |
| o-Xylene            | <0.00201 | U         | 0.00201 | mg/Kg |   | 06/09/23 16:35 | 06/12/23 17:35 | 1       |
| Xylenes, Total      | <0.00402 | U         | 0.00402 | mg/Kg |   | 06/09/23 16:35 | 06/12/23 17:35 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 93        |           | 70 - 130 | 06/09/23 16:35 | 06/12/23 17:35 | 1       |
| 1,4-Difluorobenzene (Surr)  | 86        |           | 70 - 130 | 06/09/23 16:35 | 06/12/23 17:35 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00402 | U         | 0.00402 | mg/Kg |   |          | 06/13/23 11:41 | 1       |

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

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.8  | U         | 49.8 | mg/Kg |   |          | 06/12/23 14:08 | 1       |

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

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.8     | U         | 49.8     | mg/Kg |   | 06/09/23 17:18 | 06/12/23 01:13 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.8     | U         | 49.8     | mg/Kg |   | 06/09/23 17:18 | 06/12/23 01:13 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.8     | U         | 49.8     | mg/Kg |   | 06/09/23 17:18 | 06/12/23 01:13 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 95        |           | 70 - 130 |       |   | 06/09/23 17:18 | 06/12/23 01:13 | 1       |
| o-Terphenyl                          | 107       |           | 70 - 130 |       |   | 06/09/23 17:18 | 06/12/23 01:13 | 1       |

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

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 80.9   |           | 4.98 | mg/Kg |   |          | 06/10/23 02:39 | 1       |

Client Sample ID: FL-16 @ 4

Lab Sample ID: 880-29346-12

Date Collected: 06/08/23 11:00

Matrix: Solid

Date Received: 06/09/23 15:22

Sample Depth: 4

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

| Analyte             | Result   | Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00202 | U **      | 0.00202 | mg/Kg |   | 06/09/23 16:35 | 06/12/23 17:56 | 1       |
| Toluene             | 0.00204  |           | 0.00202 | mg/Kg |   | 06/09/23 16:35 | 06/12/23 17:56 | 1       |
| Ethylbenzene        | <0.00202 | U         | 0.00202 | mg/Kg |   | 06/09/23 16:35 | 06/12/23 17:56 | 1       |
| m-Xylene & p-Xylene | <0.00404 | U         | 0.00404 | mg/Kg |   | 06/09/23 16:35 | 06/12/23 17:56 | 1       |
| o-Xylene            | <0.00202 | U         | 0.00202 | mg/Kg |   | 06/09/23 16:35 | 06/12/23 17:56 | 1       |
| Xylenes, Total      | <0.00404 | U         | 0.00404 | mg/Kg |   | 06/09/23 16:35 | 06/12/23 17:56 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 92        |           | 70 - 130 | 06/09/23 16:35 | 06/12/23 17:56 | 1       |
| 1,4-Difluorobenzene (Surr)  | 83        |           | 70 - 130 | 06/09/23 16:35 | 06/12/23 17:56 | 1       |

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## Client Sample Results

Client: TRC Solutions, Inc.  
Project/Site: Rocket Fed #5H

Job ID: 880-29346-1

Client Sample ID: FL-16 @ 4

Lab Sample ID: 880-29346-12

Date Collected: 06/08/23 11:00

Matrix: Solid

Date Received: 06/09/23 15:22

Sample Depth: 4

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00404 | U         | 0.00404 | mg/Kg |   |          | 06/13/23 11:41 | 1       |

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

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.8  | U         | 49.8 | mg/Kg |   |          | 06/12/23 14:08 | 1       |

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

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.8     | U         | 49.8     | mg/Kg |   | 06/09/23 17:18 | 06/12/23 01:33 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.8     | U         | 49.8     | mg/Kg |   | 06/09/23 17:18 | 06/12/23 01:33 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.8     | U         | 49.8     | mg/Kg |   | 06/09/23 17:18 | 06/12/23 01:33 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 96        |           | 70 - 130 |       |   | 06/09/23 17:18 | 06/12/23 01:33 | 1       |
| o-Terphenyl                          | 109       |           | 70 - 130 |       |   | 06/09/23 17:18 | 06/12/23 01:33 | 1       |

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

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 707    |           | 5.00 | mg/Kg |   |          | 06/10/23 02:55 | 1       |

Client Sample ID: FL-17 @ 4

Lab Sample ID: 880-29346-13

Date Collected: 06/08/23 11:05

Matrix: Solid

Date Received: 06/09/23 15:22

Sample Depth: 4

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

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00199  | U         | 0.00199  | mg/Kg |   | 06/12/23 08:57 | 06/12/23 14:32 | 1       |
| Toluene                     | <0.00199  | U         | 0.00199  | mg/Kg |   | 06/12/23 08:57 | 06/12/23 14:32 | 1       |
| Ethylbenzene                | <0.00199  | U         | 0.00199  | mg/Kg |   | 06/12/23 08:57 | 06/12/23 14:32 | 1       |
| m-Xylene & p-Xylene         | <0.00398  | U         | 0.00398  | mg/Kg |   | 06/12/23 08:57 | 06/12/23 14:32 | 1       |
| o-Xylene                    | <0.00199  | U         | 0.00199  | mg/Kg |   | 06/12/23 08:57 | 06/12/23 14:32 | 1       |
| Xylenes, Total              | <0.00398  | U         | 0.00398  | mg/Kg |   | 06/12/23 08:57 | 06/12/23 14:32 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 78        |           | 70 - 130 |       |   | 06/12/23 08:57 | 06/12/23 14:32 | 1       |
| 1,4-Difluorobenzene (Surr)  | 96        |           | 70 - 130 |       |   | 06/12/23 08:57 | 06/12/23 14:32 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00398 | U         | 0.00398 | mg/Kg |   |          | 06/13/23 11:33 | 1       |

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

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <50.0  | U         | 50.0 | mg/Kg |   |          | 06/12/23 14:08 | 1       |

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

| Analyte                              | Result | Qualifier | RL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0  | U         | 50.0 | mg/Kg |   | 06/09/23 17:18 | 06/12/23 01:53 | 1       |

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## Client Sample Results

Client: TRC Solutions, Inc.  
Project/Site: Rocket Fed #5H

Job ID: 880-29346-1

Client Sample ID: FL-17 @ 4

Lab Sample ID: 880-29346-13

Date Collected: 06/08/23 11:05

Matrix: Solid

Date Received: 06/09/23 15:22

Sample Depth: 4

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

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Diesel Range Organics (Over C10-C28) | <50.0     | U         | 50.0     | mg/Kg |   | 06/09/23 17:18 | 06/12/23 01:53 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0     | U         | 50.0     | mg/Kg |   | 06/09/23 17:18 | 06/12/23 01:53 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 93        |           | 70 - 130 |       |   | 06/09/23 17:18 | 06/12/23 01:53 | 1       |
| o-Terphenyl                          | 105       |           | 70 - 130 |       |   | 06/09/23 17:18 | 06/12/23 01:53 | 1       |

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

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 330    |           | 4.95 | mg/Kg |   |          | 06/10/23 03:00 | 1       |

Client Sample ID: FL-18 @ 4

Lab Sample ID: 880-29346-14

Date Collected: 06/08/23 11:10

Matrix: Solid

Date Received: 06/09/23 15:22

Sample Depth: 4

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

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00198  | U         | 0.00198  | mg/Kg |   | 06/12/23 08:57 | 06/12/23 14:53 | 1       |
| Toluene                     | <0.00198  | U         | 0.00198  | mg/Kg |   | 06/12/23 08:57 | 06/12/23 14:53 | 1       |
| Ethylbenzene                | <0.00198  | U         | 0.00198  | mg/Kg |   | 06/12/23 08:57 | 06/12/23 14:53 | 1       |
| m-Xylene & p-Xylene         | <0.00396  | U         | 0.00396  | mg/Kg |   | 06/12/23 08:57 | 06/12/23 14:53 | 1       |
| o-Xylene                    | <0.00198  | U         | 0.00198  | mg/Kg |   | 06/12/23 08:57 | 06/12/23 14:53 | 1       |
| Xylenes, Total              | <0.00396  | U         | 0.00396  | mg/Kg |   | 06/12/23 08:57 | 06/12/23 14:53 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 82        |           | 70 - 130 |       |   | 06/12/23 08:57 | 06/12/23 14:53 | 1       |
| 1,4-Difluorobenzene (Surr)  | 95        |           | 70 - 130 |       |   | 06/12/23 08:57 | 06/12/23 14:53 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00396 | U         | 0.00396 | mg/Kg |   |          | 06/13/23 11:33 | 1       |

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

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.9  | U         | 49.9 | mg/Kg |   |          | 06/12/23 14:08 | 1       |

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

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9     | U         | 49.9     | mg/Kg |   | 06/09/23 17:18 | 06/12/23 02:13 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9     | U         | 49.9     | mg/Kg |   | 06/09/23 17:18 | 06/12/23 02:13 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9     | U         | 49.9     | mg/Kg |   | 06/09/23 17:18 | 06/12/23 02:13 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 96        |           | 70 - 130 |       |   | 06/09/23 17:18 | 06/12/23 02:13 | 1       |
| o-Terphenyl                          | 108       |           | 70 - 130 |       |   | 06/09/23 17:18 | 06/12/23 02:13 | 1       |

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## Client Sample Results

Client: TRC Solutions, Inc.  
Project/Site: Rocket Fed #5H

Job ID: 880-29346-1

Client Sample ID: FL-18 @ 4

Lab Sample ID: 880-29346-14

Date Collected: 06/08/23 11:10

Matrix: Solid

Date Received: 06/09/23 15:22

Sample Depth: 4

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

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 1730   |           | 24.9 | mg/Kg |   |          | 06/10/23 03:16 | 5       |

Client Sample ID: FL-19 @ 4

Lab Sample ID: 880-29346-15

Date Collected: 06/08/23 11:15

Matrix: Solid

Date Received: 06/09/23 15:22

Sample Depth: 4

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

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00201  | U         | 0.00201  | mg/Kg |   | 06/12/23 08:57 | 06/12/23 15:13 | 1       |
| Toluene                     | <0.00201  | U         | 0.00201  | mg/Kg |   | 06/12/23 08:57 | 06/12/23 15:13 | 1       |
| Ethylbenzene                | <0.00201  | U         | 0.00201  | mg/Kg |   | 06/12/23 08:57 | 06/12/23 15:13 | 1       |
| m-Xylene & p-Xylene         | <0.00402  | U         | 0.00402  | mg/Kg |   | 06/12/23 08:57 | 06/12/23 15:13 | 1       |
| o-Xylene                    | <0.00201  | U         | 0.00201  | mg/Kg |   | 06/12/23 08:57 | 06/12/23 15:13 | 1       |
| Xylenes, Total              | <0.00402  | U         | 0.00402  | mg/Kg |   | 06/12/23 08:57 | 06/12/23 15:13 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 84        |           | 70 - 130 |       |   | 06/12/23 08:57 | 06/12/23 15:13 | 1       |
| 1,4-Difluorobenzene (Surr)  | 100       |           | 70 - 130 |       |   | 06/12/23 08:57 | 06/12/23 15:13 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00402 | U         | 0.00402 | mg/Kg |   |          | 06/13/23 11:33 | 1       |

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

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.8  | U         | 49.8 | mg/Kg |   |          | 06/12/23 14:08 | 1       |

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

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.8     | U         | 49.8     | mg/Kg |   | 06/09/23 17:18 | 06/12/23 02:33 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.8     | U         | 49.8     | mg/Kg |   | 06/09/23 17:18 | 06/12/23 02:33 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.8     | U         | 49.8     | mg/Kg |   | 06/09/23 17:18 | 06/12/23 02:33 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 95        |           | 70 - 130 |       |   | 06/09/23 17:18 | 06/12/23 02:33 | 1       |
| o-Terphenyl                          | 108       |           | 70 - 130 |       |   | 06/09/23 17:18 | 06/12/23 02:33 | 1       |

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

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 2040   |           | 24.8 | mg/Kg |   |          | 06/10/23 03:21 | 5       |

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## Client Sample Results

Client: TRC Solutions, Inc.  
Project/Site: Rocket Fed #5H

Job ID: 880-29346-1

Client Sample ID: FL-20 @ 4

Lab Sample ID: 880-29346-16

Date Collected: 06/08/23 11:20

Matrix: Solid

Date Received: 06/09/23 15:22

Sample Depth: 4

## 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 |   | 06/12/23 08:57 | 06/12/23 15:34 | 1       |
| Toluene             | <0.00200 | U         | 0.00200 | mg/Kg |   | 06/12/23 08:57 | 06/12/23 15:34 | 1       |
| Ethylbenzene        | <0.00200 | U         | 0.00200 | mg/Kg |   | 06/12/23 08:57 | 06/12/23 15:34 | 1       |
| m-Xylene & p-Xylene | <0.00401 | U         | 0.00401 | mg/Kg |   | 06/12/23 08:57 | 06/12/23 15:34 | 1       |
| o-Xylene            | <0.00200 | U         | 0.00200 | mg/Kg |   | 06/12/23 08:57 | 06/12/23 15:34 | 1       |
| Xylenes, Total      | <0.00401 | U         | 0.00401 | mg/Kg |   | 06/12/23 08:57 | 06/12/23 15:34 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 94        |           | 70 - 130 | 06/12/23 08:57 | 06/12/23 15:34 | 1       |
| 1,4-Difluorobenzene (Surr)  | 98        |           | 70 - 130 | 06/12/23 08:57 | 06/12/23 15:34 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00401 | U         | 0.00401 | mg/Kg |   |          | 06/13/23 11:33 | 1       |

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

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <50.0  | U         | 50.0 | mg/Kg |   |          | 06/12/23 14:08 | 1       |

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

| Analyte                              | Result | Qualifier | RL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0  | U         | 50.0 | mg/Kg |   | 06/09/23 17:18 | 06/12/23 02:53 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0  | U         | 50.0 | mg/Kg |   | 06/09/23 17:18 | 06/12/23 02:53 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0  | U         | 50.0 | mg/Kg |   | 06/09/23 17:18 | 06/12/23 02:53 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 93        |           | 70 - 130 | 06/09/23 17:18 | 06/12/23 02:53 | 1       |
| o-Terphenyl    | 106       |           | 70 - 130 | 06/09/23 17:18 | 06/12/23 02:53 | 1       |

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

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 1710   |           | 24.8 | mg/Kg |   |          | 06/10/23 03:27 | 5       |

Client Sample ID: FL-21 @ 4

Lab Sample ID: 880-29346-17

Date Collected: 06/08/23 11:25

Matrix: Solid

Date Received: 06/09/23 15:22

Sample Depth: 4

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

| Analyte             | Result   | Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00198 | U         | 0.00198 | mg/Kg |   | 06/12/23 08:57 | 06/12/23 15:54 | 1       |
| Toluene             | <0.00198 | U         | 0.00198 | mg/Kg |   | 06/12/23 08:57 | 06/12/23 15:54 | 1       |
| Ethylbenzene        | <0.00198 | U         | 0.00198 | mg/Kg |   | 06/12/23 08:57 | 06/12/23 15:54 | 1       |
| m-Xylene & p-Xylene | <0.00396 | U         | 0.00396 | mg/Kg |   | 06/12/23 08:57 | 06/12/23 15:54 | 1       |
| o-Xylene            | <0.00198 | U         | 0.00198 | mg/Kg |   | 06/12/23 08:57 | 06/12/23 15:54 | 1       |
| Xylenes, Total      | <0.00396 | U         | 0.00396 | mg/Kg |   | 06/12/23 08:57 | 06/12/23 15:54 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 87        |           | 70 - 130 | 06/12/23 08:57 | 06/12/23 15:54 | 1       |

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## Client Sample Results

Client: TRC Solutions, Inc.  
Project/Site: Rocket Fed #5H

Job ID: 880-29346-1

Client Sample ID: FL-21 @ 4

Lab Sample ID: 880-29346-17

Date Collected: 06/08/23 11:25

Matrix: Solid

Date Received: 06/09/23 15:22

Sample Depth: 4

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

| Surrogate                  | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1,4-Difluorobenzene (Surr) | 107       |           | 70 - 130 | 06/12/23 08:57 | 06/12/23 15:54 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00396 | U         | 0.00396 | mg/Kg |   |          | 06/13/23 11:33 | 1       |

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

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.9  | U         | 49.9 | mg/Kg |   |          | 06/12/23 14:08 | 1       |

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

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9     | U         | 49.9     | mg/Kg |   | 06/09/23 17:18 | 06/12/23 03:13 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9     | U         | 49.9     | mg/Kg |   | 06/09/23 17:18 | 06/12/23 03:13 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9     | U         | 49.9     | mg/Kg |   | 06/09/23 17:18 | 06/12/23 03:13 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 102       |           | 70 - 130 |       |   | 06/09/23 17:18 | 06/12/23 03:13 | 1       |
| o-Terphenyl                          | 115       |           | 70 - 130 |       |   | 06/09/23 17:18 | 06/12/23 03:13 | 1       |

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

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 139    |           | 4.95 | mg/Kg |   |          | 06/10/23 03:32 | 1       |

Client Sample ID: SW-14

Lab Sample ID: 880-29346-18

Date Collected: 06/09/23 10:00

Matrix: Solid

Date Received: 06/09/23 15:22

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

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00199  | U         | 0.00199  | mg/Kg |   | 06/12/23 08:57 | 06/12/23 16:32 | 1       |
| Toluene                     | <0.00199  | U         | 0.00199  | mg/Kg |   | 06/12/23 08:57 | 06/12/23 16:32 | 1       |
| Ethylbenzene                | <0.00199  | U         | 0.00199  | mg/Kg |   | 06/12/23 08:57 | 06/12/23 16:32 | 1       |
| m-Xylene & p-Xylene         | <0.00398  | U         | 0.00398  | mg/Kg |   | 06/12/23 08:57 | 06/12/23 16:32 | 1       |
| o-Xylene                    | <0.00199  | U         | 0.00199  | mg/Kg |   | 06/12/23 08:57 | 06/12/23 16:32 | 1       |
| Xylenes, Total              | <0.00398  | U         | 0.00398  | mg/Kg |   | 06/12/23 08:57 | 06/12/23 16:32 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 92        |           | 70 - 130 |       |   | 06/12/23 08:57 | 06/12/23 16:32 | 1       |
| 1,4-Difluorobenzene (Surr)  | 100       |           | 70 - 130 |       |   | 06/12/23 08:57 | 06/12/23 16:32 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00398 | U         | 0.00398 | mg/Kg |   |          | 06/13/23 11:33 | 1       |

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

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.8  | U         | 49.8 | mg/Kg |   |          | 06/12/23 14:08 | 1       |

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Client Sample Results

Client: TRC Solutions, Inc.  
Project/Site: Rocket Fed #5H

Job ID: 880-29346-1

Client Sample ID: SW-14  
Date Collected: 06/09/23 10:00  
Date Received: 06/09/23 15:22

Lab Sample ID: 880-29346-18  
Matrix: Solid

| Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) |           |           |          |       |   |                |                |         |  |
|---|-----------|-----------|----------|-------|---|----------------|----------------|---------|--|
| Analyte   | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |  |
| Gasoline Range Organics (GRO)-C6-C10                      | <49.8     | U         | 49.8     | mg/Kg |   | 06/09/23 17:18 | 06/12/23 03:33 | 1       |  |
| Diesel Range Organics (Over C10-C28)                      | <49.8     | U         | 49.8     | mg/Kg |   | 06/09/23 17:18 | 06/12/23 03:33 | 1       |  |
| Oil Range Organics (Over C28-C36)                         | <49.8     | U         | 49.8     | mg/Kg |   | 06/09/23 17:18 | 06/12/23 03:33 | 1       |  |
| Surrogate   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |  |
| 1-Chlorooctane  | 98        |           | 70 - 130 |       |   | 06/09/23 17:18 | 06/12/23 03:33 | 1       |  |
| o-Terphenyl   | 109       |           | 70 - 130 |       |   | 06/09/23 17:18 | 06/12/23 03:33 | 1       |  |

| Method: EPA 300.0 - Anions, Ion Chromatography - Soluble |        |           |      |       |   |          |                |         |  |
|--|--------|-----------|------|-------|---|----------|----------------|---------|--|
| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |  |
| Chloride   | 70.4   |           | 5.05 | mg/Kg |   |          | 06/10/23 03:37 | 1       |  |



Surrogate Summary

Client: TRC Solutions, Inc.  
Project/Site: Rocket Fed #5H

Job ID: 880-29346-1

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

Prep Type: Total/NA

|                                   |                        | Percent Surrogate Recovery (Acceptance Limits) |          |  |  |  |  |
|-----------------------------------|------------------------|--|----------|--|--|--|--|
| Lab Sample ID                     | Client Sample ID       | BFB1   | DFBZ1    |  |  |  |  |
|                                   |                        | (70-130)                                       | (70-130) |  |  |  |  |
| 880-29346-1                       | FL-8 @ 4               | 89   | 89       |  |  |  |  |
| 880-29346-1 MS                    | FL-8 @ 4               | 105  | 107      |  |  |  |  |
| 880-29346-1 MSD                   | FL-8 @ 4               | 48 S1-   | 105      |  |  |  |  |
| 880-29346-2                       | FL-9 @ 4               | 95   | 82       |  |  |  |  |
| 880-29346-3                       | FL-10 @ 4              | 89   | 85       |  |  |  |  |
| 880-29346-4                       | FL-11 @ 4              | 90   | 84       |  |  |  |  |
| 880-29346-5                       | FL-12 @ 4              | 92   | 75       |  |  |  |  |
| 880-29346-6                       | FL-13 @ 4              | 91   | 89       |  |  |  |  |
| 880-29346-7                       | FL-14 @ 4              | 92   | 89       |  |  |  |  |
| 880-29346-8                       | FL-15 @ 4              | 91   | 89       |  |  |  |  |
| 880-29346-9                       | SW-13                  | 88   | 86       |  |  |  |  |
| 880-29346-10                      | SW-17                  | 95   | 87       |  |  |  |  |
| 880-29346-11                      | SW-18                  | 93   | 86       |  |  |  |  |
| 880-29346-12                      | FL-16 @ 4              | 92   | 83       |  |  |  |  |
| 880-29346-13                      | FL-17 @ 4              | 78   | 96       |  |  |  |  |
| 880-29346-13 MS                   | FL-17 @ 4              | 96   | 102      |  |  |  |  |
| 880-29346-13 MSD                  | FL-17 @ 4              | 88   | 107      |  |  |  |  |
| 880-29346-14                      | FL-18 @ 4              | 82   | 95       |  |  |  |  |
| 880-29346-15                      | FL-19 @ 4              | 84   | 100      |  |  |  |  |
| 880-29346-16                      | FL-20 @ 4              | 94   | 98       |  |  |  |  |
| 880-29346-17                      | FL-21 @ 4              | 87   | 107      |  |  |  |  |
| 880-29346-18                      | SW-14                  | 92   | 100      |  |  |  |  |
| LCS 880-55176/1-A                 | Lab Control Sample     | 87   | 114      |  |  |  |  |
| LCS 880-55246/1-A                 | Lab Control Sample     | 95   | 101      |  |  |  |  |
| LCSD 880-55176/2-A                | Lab Control Sample Dup | 107  | 104      |  |  |  |  |
| LCSD 880-55246/2-A                | Lab Control Sample Dup | 92   | 110      |  |  |  |  |
| MB 880-55176/5-A                  | Method Blank           | 69 S1-   | 98       |  |  |  |  |
| MB 880-55246/5-A                  | Method Blank           | 82   | 115      |  |  |  |  |
| Surrogate Legend                  |                        |  |          |  |  |  |  |
| BFB = 4-Bromofluorobenzene (Surr) |                        |  |          |  |  |  |  |
| DFBZ = 1,4-Difluorobenzene (Surr) |                        |  |          |  |  |  |  |

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

Prep Type: Total/NA

|                 |                  | Percent Surrogate Recovery (Acceptance Limits) |          |  |  |  |  |
|-----------------|------------------|--|----------|--|--|--|--|
| Lab Sample ID   | Client Sample ID | 1CO1   | OTPH1    |  |  |  |  |
|                 |                  | (70-130)                                       | (70-130) |  |  |  |  |
| 880-29346-1     | FL-8 @ 4         | 93   | 105      |  |  |  |  |
| 880-29346-1 MS  | FL-8 @ 4         | 98   | 97       |  |  |  |  |
| 880-29346-1 MSD | FL-8 @ 4         | 95   | 96       |  |  |  |  |
| 880-29346-2     | FL-9 @ 4         | 95   | 107      |  |  |  |  |
| 880-29346-3     | FL-10 @ 4        | 96   | 107      |  |  |  |  |
| 880-29346-4     | FL-11 @ 4        | 94   | 105      |  |  |  |  |
| 880-29346-5     | FL-12 @ 4        | 94   | 106      |  |  |  |  |
| 880-29346-6     | FL-13 @ 4        | 96   | 109      |  |  |  |  |
| 880-29346-7     | FL-14 @ 4        | 93   | 103      |  |  |  |  |
| 880-29346-8     | FL-15 @ 4        | 93   | 105      |  |  |  |  |
| 880-29346-9     | SW-13            | 96   | 110      |  |  |  |  |

Surrogate Summary

Client: TRC Solutions, Inc.

Job ID: 880-29346-1

Project/Site: Rocket Fed #5H

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

Matrix: Solid

Prep Type: Total/NA

|                    |                        | Percent Surrogate Recovery (Acceptance Limits) |                   |
|--------------------|------------------------|--|-------------------|
| Lab Sample ID      | Client Sample ID       | 1CO1<br>(70-130)                               | OTPH1<br>(70-130) |
| 880-29346-10       | SW-17                  | 95   | 106               |
| 880-29346-11       | SW-18                  | 95   | 107               |
| 880-29346-12       | FL-16 @ 4              | 96   | 109               |
| 880-29346-13       | FL-17 @ 4              | 93   | 105               |
| 880-29346-14       | FL-18 @ 4              | 96   | 108               |
| 880-29346-15       | FL-19 @ 4              | 95   | 108               |
| 880-29346-16       | FL-20 @ 4              | 93   | 106               |
| 880-29346-17       | FL-21 @ 4              | 102  | 115               |
| 880-29346-18       | SW-14                  | 98   | 109               |
| LCS 880-55185/2-A  | Lab Control Sample     | 24 S1-   | 20 S1-            |
| LCSD 880-55185/3-A | Lab Control Sample Dup | 23 S1-   | 19 S1-            |
| MB 880-55185/1-A   | Method Blank           | 125  | 141 S1+           |

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: TRC Solutions, Inc.  
Project/Site: Rocket Fed #5H

Job ID: 880-29346-1

Method: 8021B - Volatile Organic Compounds (GC)

| Lab Sample ID: MB 880-55176/5-A |           |           |          |       |   | Client Sample ID: Method Blank |                |         |  |
|---------------------------------|-----------|-----------|----------|-------|---|--------------------------------|----------------|---------|--|
| Matrix: Solid                   |           |           |          |       |   | Prep Type: Total/NA            |                |         |  |
| Analysis Batch: 55243           |           |           |          |       |   | Prep Batch: 55176              |                |         |  |
| Analyte                         | MB        | MB        | RL       | Unit  | D | Prepared                       | Analyzed       | Dil Fac |  |
|                                 | Result    | Qualifier |          |       |   |                                |                |         |  |
| Benzene                         | <0.00200  | U         | 0.00200  | mg/Kg |   | 06/09/23 16:35                 | 06/12/23 12:26 | 1       |  |
| Toluene                         | <0.00200  | U         | 0.00200  | mg/Kg |   | 06/09/23 16:35                 | 06/12/23 12:26 | 1       |  |
| Ethylbenzene                    | <0.00200  | U         | 0.00200  | mg/Kg |   | 06/09/23 16:35                 | 06/12/23 12:26 | 1       |  |
| m-Xylene & p-Xylene             | <0.00400  | U         | 0.00400  | mg/Kg |   | 06/09/23 16:35                 | 06/12/23 12:26 | 1       |  |
| o-Xylene                        | <0.00200  | U         | 0.00200  | mg/Kg |   | 06/09/23 16:35                 | 06/12/23 12:26 | 1       |  |
| Xylenes, Total                  | <0.00400  | U         | 0.00400  | mg/Kg |   | 06/09/23 16:35                 | 06/12/23 12:26 | 1       |  |
| Surrogate                       | MB        | MB        | Limits   |       |   | Prepared                       | Analyzed       | Dil Fac |  |
|                                 | %Recovery | Qualifier |          |       |   |                                |                |         |  |
| 4-Bromofluorobenzene (Surr)     | 69        | S1-       | 70 - 130 |       |   | 06/09/23 16:35                 | 06/12/23 12:26 | 1       |  |
| 1,4-Difluorobenzene (Surr)      | 98        |           | 70 - 130 |       |   | 06/09/23 16:35                 | 06/12/23 12:26 | 1       |  |

|                                  |               |               |            |               |       |                                      |      |             |  |
|----------------------------------|---------------|---------------|------------|---------------|-------|--------------------------------------|------|-------------|--|
| Lab Sample ID: LCS 880-55176/1-A |               |               |            |               |       | Client Sample ID: Lab Control Sample |      |             |  |
| Matrix: Solid                    |               |               |            |               |       | Prep Type: Total/NA                  |      |             |  |
| Analysis Batch: 55243            |               |               |            |               |       | Prep Batch: 55176                    |      |             |  |
| Analyte                          |               | Spike Added   | LCS Result | LCS Qualifier | Unit  | D                                    | %Rec | %Rec Limits |  |
| Benzene                          |               | 0.100         | 0.1446     | *+            | mg/Kg |                                      | 145  | 70 - 130    |  |
| Toluene                          |               | 0.100         | 0.1111     |               | mg/Kg |                                      | 111  | 70 - 130    |  |
| Ethylbenzene                     |               | 0.100         | 0.1029     |               | mg/Kg |                                      | 103  | 70 - 130    |  |
| m-Xylene & p-Xylene              |               | 0.200         | 0.2023     |               | mg/Kg |                                      | 101  | 70 - 130    |  |
| o-Xylene                         |               | 0.100         | 0.09782    |               | mg/Kg |                                      | 98   | 70 - 130    |  |
|                                  |               |               |            |               |       |                                      |      |             |  |
| Surrogate                        | LCS %Recovery | LCS Qualifier | Limits     |               |       |                                      |      |             |  |
| 4-Bromofluorobenzene (Surr)      | 87            |               | 70 - 130   |               |       |                                      |      |             |  |
| 1,4-Difluorobenzene (Surr)       | 114           |               | 70 - 130   |               |       |                                      |      |             |  |

|                                   |                |                |             |                |       |  |      |             |     |       |
|-----------------------------------|----------------|----------------|-------------|----------------|-------|--|------|-------------|-----|-------|
| Lab Sample ID: LCSD 880-55176/2-A |                |                |             |                |       | Client Sample ID: Lab Control Sample Dup |      |             |     |       |
| Matrix: Solid                     |                |                |             |                |       | Prep Type: Total/NA                      |      |             |     |       |
| Analysis Batch: 55243             |                |                |             |                |       | Prep Batch: 55176                        |      |             |     |       |
| Analyte                           |                | Spike Added    | LCSD Result | LCSD Qualifier | Unit  | D  | %Rec | %Rec Limits | RPD | Limit |
| Benzene                           |                | 0.100          | 0.1033      |                | mg/Kg |  | 103  | 70 - 130    | 33  | 35    |
| Toluene                           |                | 0.100          | 0.09007     |                | mg/Kg |  | 90   | 70 - 130    | 21  | 35    |
| Ethylbenzene                      |                | 0.100          | 0.09515     |                | mg/Kg |  | 95   | 70 - 130    | 8   | 35    |
| m-Xylene & p-Xylene               |                | 0.200          | 0.1922      |                | mg/Kg |  | 96   | 70 - 130    | 5   | 35    |
| o-Xylene                          |                | 0.100          | 0.09316     |                | mg/Kg |  | 93   | 70 - 130    | 5   | 35    |
|                                   |                |                |             |                |       |  |      |             |     |       |
| Surrogate                         | LCSD %Recovery | LCSD Qualifier | Limits      |                |       |  |      |             |     |       |
| 4-Bromofluorobenzene (Surr)       | 107            |                | 70 - 130    |                |       |  |      |             |     |       |
| 1,4-Difluorobenzene (Surr)        | 104            |                | 70 - 130    |                |       |  |      |             |     |       |

|                               |               |                  |             |           |              |                            |   |      |             |
|-------------------------------|---------------|------------------|-------------|-----------|--------------|----------------------------|---|------|-------------|
| Lab Sample ID: 880-29346-1 MS |               |                  |             |           |              | Client Sample ID: FL-8 @ 4 |   |      |             |
| Matrix: Solid                 |               |                  |             |           |              | Prep Type: Total/NA        |   |      |             |
| Analysis Batch: 55243         |               |                  |             |           |              | Prep Batch: 55176          |   |      |             |
| Analyte                       | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit                       | D | %Rec | %Rec Limits |
| Benzene                       | <0.00199      | U *              | 0.101       | 0.1098    |              | mg/Kg                      |   | 109  | 70 - 130    |
| Toluene                       | <0.00199      | U                | 0.101       | 0.09496   |              | mg/Kg                      |   | 93   | 70 - 130    |

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## QC Sample Results

Client: TRC Solutions, Inc.  
Project/Site: Rocket Fed #5H

Job ID: 880-29346-1

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

Lab Sample ID: 880-29346-1 MS

Matrix: Solid

Analysis Batch: 55243

Client Sample ID: FL-8 @ 4

Prep Type: Total/NA

Prep Batch: 55176

| Analyte             | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|---------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Ethylbenzene        | <0.00199      | U                | 0.101       | 0.09774   |              | mg/Kg |   | 97   | 70 - 130    |
| m-Xylene & p-Xylene | <0.00398      | U F1 F2          | 0.202       | 0.1984    |              | mg/Kg |   | 98   | 70 - 130    |
| o-Xylene            | <0.00199      | U F1 F2          | 0.101       | 0.09565   |              | mg/Kg |   | 94   | 70 - 130    |

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

Lab Sample ID: 880-29346-1 MSD

Matrix: Solid

Analysis Batch: 55243

Client Sample ID: FL-8 @ 4

Prep Type: Total/NA

Prep Batch: 55176

| Analyte             | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Benzene             | <0.00199      | U *              | 0.100       | 0.1137     |               | mg/Kg |   | 113  | 70 - 130    | 3   | 35        |
| Toluene             | <0.00199      | U                | 0.100       | 0.08354    |               | mg/Kg |   | 83   | 70 - 130    | 13  | 35        |
| Ethylbenzene        | <0.00199      | U                | 0.100       | 0.07220    |               | mg/Kg |   | 72   | 70 - 130    | 30  | 35        |
| m-Xylene & p-Xylene | <0.00398      | U F1 F2          | 0.200       | 0.1270     | F1 F2         | mg/Kg |   | 63   | 70 - 130    | 44  | 35        |
| o-Xylene            | <0.00199      | U F1 F2          | 0.100       | 0.05697    | F1 F2         | mg/Kg |   | 56   | 70 - 130    | 51  | 35        |

| Surrogate                   | MSD %Recovery | MSD Qualifier | Limits   |
|-----------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr) | 48            | S1-           | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 105           |               | 70 - 130 |

Lab Sample ID: MB 880-55246/5-A

Matrix: Solid

Analysis Batch: 55244

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 55246

| Analyte             | MB Result | MB Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|-----------|--------------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00200  | U            | 0.00200 | mg/Kg |   | 06/12/23 08:57 | 06/12/23 14:03 | 1       |
| Toluene             | <0.00200  | U            | 0.00200 | mg/Kg |   | 06/12/23 08:57 | 06/12/23 14:03 | 1       |
| Ethylbenzene        | <0.00200  | U            | 0.00200 | mg/Kg |   | 06/12/23 08:57 | 06/12/23 14:03 | 1       |
| m-Xylene & p-Xylene | <0.00400  | U            | 0.00400 | mg/Kg |   | 06/12/23 08:57 | 06/12/23 14:03 | 1       |
| o-Xylene            | <0.00200  | U            | 0.00200 | mg/Kg |   | 06/12/23 08:57 | 06/12/23 14:03 | 1       |
| Xylenes, Total      | <0.00400  | U            | 0.00400 | mg/Kg |   | 06/12/23 08:57 | 06/12/23 14:03 | 1       |

| Surrogate                   | MB %Recovery | MB Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|--------------|--------------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 82           |              | 70 - 130 | 06/12/23 08:57 | 06/12/23 14:03 | 1       |
| 1,4-Difluorobenzene (Surr)  | 115          |              | 70 - 130 | 06/12/23 08:57 | 06/12/23 14:03 | 1       |

Lab Sample ID: LCS 880-55246/1-A

Matrix: Solid

Analysis Batch: 55244

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 55246

| Analyte             | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |
|---------------------|-------------|------------|---------------|-------|---|------|-------------|
| Benzene             | 0.100       | 0.1260     |               | mg/Kg |   | 126  | 70 - 130    |
| Toluene             | 0.100       | 0.1164     |               | mg/Kg |   | 116  | 70 - 130    |
| Ethylbenzene        | 0.100       | 0.1054     |               | mg/Kg |   | 105  | 70 - 130    |
| m-Xylene & p-Xylene | 0.200       | 0.1971     |               | mg/Kg |   | 99   | 70 - 130    |

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## QC Sample Results

Client: TRC Solutions, Inc.  
Project/Site: Rocket Fed #5H

Job ID: 880-29346-1

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

Lab Sample ID: LCS 880-55246/1-A

Matrix: Solid

Analysis Batch: 55244

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 55246

| Analyte  | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |
|----------|-------------|------------|---------------|-------|---|------|-------------|
| o-Xylene | 0.100       | 0.09275    |               | mg/Kg |   | 93   | 70 - 130    |

| Surrogate                   | LCS %Recovery | LCS Qualifier | Limits   |
|-----------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr) | 95            |               | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 101           |               | 70 - 130 |

Lab Sample ID: LCSD 880-55246/2-A

Matrix: Solid

Analysis Batch: 55244

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 55246

| Analyte             | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------------------|-------------|-------------|----------------|-------|---|------|-------------|-----|-----------|
| Benzene             | 0.100       | 0.1256      |                | mg/Kg |   | 126  | 70 - 130    | 0   | 35        |
| Toluene             | 0.100       | 0.1224      |                | mg/Kg |   | 122  | 70 - 130    | 5   | 35        |
| Ethylbenzene        | 0.100       | 0.1010      |                | mg/Kg |   | 101  | 70 - 130    | 4   | 35        |
| m-Xylene & p-Xylene | 0.200       | 0.1915      |                | mg/Kg |   | 96   | 70 - 130    | 3   | 35        |
| o-Xylene            | 0.100       | 0.09162     |                | mg/Kg |   | 92   | 70 - 130    | 1   | 35        |

| Surrogate                   | LCSD %Recovery | LCSD Qualifier | Limits   |
|-----------------------------|----------------|----------------|----------|
| 4-Bromofluorobenzene (Surr) | 92             |                | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 110            |                | 70 - 130 |

Lab Sample ID: 880-29346-13 MS

Matrix: Solid

Analysis Batch: 55244

Client Sample ID: FL-17 @ 4

Prep Type: Total/NA

Prep Batch: 55246

| Analyte             | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|---------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Benzene             | <0.00199      | U                | 0.101       | 0.1057    |              | mg/Kg |   | 105  | 70 - 130    |
| Toluene             | <0.00199      | U                | 0.101       | 0.1073    |              | mg/Kg |   | 106  | 70 - 130    |
| Ethylbenzene        | <0.00199      | U                | 0.101       | 0.09018   |              | mg/Kg |   | 89   | 70 - 130    |
| m-Xylene & p-Xylene | <0.00398      | U                | 0.202       | 0.1765    |              | mg/Kg |   | 88   | 70 - 130    |
| o-Xylene            | <0.00199      | U                | 0.101       | 0.08374   |              | mg/Kg |   | 83   | 70 - 130    |

| Surrogate                   | MS %Recovery | MS Qualifier | Limits   |
|-----------------------------|--------------|--------------|----------|
| 4-Bromofluorobenzene (Surr) | 96           |              | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 102          |              | 70 - 130 |

Lab Sample ID: 880-29346-13 MSD

Matrix: Solid

Analysis Batch: 55244

Client Sample ID: FL-17 @ 4

Prep Type: Total/NA

Prep Batch: 55246

| Analyte             | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Benzene             | <0.00199      | U                | 0.100       | 0.1022     |               | mg/Kg |   | 102  | 70 - 130    | 3   | 35        |
| Toluene             | <0.00199      | U                | 0.100       | 0.1100     |               | mg/Kg |   | 110  | 70 - 130    | 2   | 35        |
| Ethylbenzene        | <0.00199      | U                | 0.100       | 0.08441    |               | mg/Kg |   | 84   | 70 - 130    | 7   | 35        |
| m-Xylene & p-Xylene | <0.00398      | U                | 0.200       | 0.1627     |               | mg/Kg |   | 81   | 70 - 130    | 8   | 35        |
| o-Xylene            | <0.00199      | U                | 0.100       | 0.07689    |               | mg/Kg |   | 76   | 70 - 130    | 9   | 35        |

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## QC Sample Results

Client: TRC Solutions, Inc.  
Project/Site: Rocket Fed #5H

Job ID: 880-29346-1

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

Lab Sample ID: 880-29346-13 MSD

Matrix: Solid

Analysis Batch: 55244

Client Sample ID: FL-17 @ 4

Prep Type: Total/NA

Prep Batch: 55246

|                             | MSD       | MSD       |          |
|-----------------------------|-----------|-----------|----------|
| Surrogate                   | %Recovery | Qualifier | Limits   |
| 4-Bromofluorobenzene (Surr) | 88        |           | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 107       |           | 70 - 130 |

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

Lab Sample ID: MB 880-55185/1-A

Matrix: Solid

Analysis Batch: 55229

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 55185

| Analyte                              | MB        | MB        |          |       |   |                |                |     |     |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|-----|-----|
|                                      | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil | Fac |
| Gasoline Range Organics (GRO)-C6-C10 | <50.0     | U         | 50.0     | mg/Kg |   | 06/09/23 17:18 | 06/11/23 19:35 | 1   |     |
| Diesel Range Organics (Over C10-C28) | <50.0     | U         | 50.0     | mg/Kg |   | 06/09/23 17:18 | 06/11/23 19:35 | 1   |     |
| Oil Range Organics (Over C28-C36)    | <50.0     | U         | 50.0     | mg/Kg |   | 06/09/23 17:18 | 06/11/23 19:35 | 1   |     |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil | Fac |
| 1-Chlorooctane                       | 125       |           | 70 - 130 |       |   | 06/09/23 17:18 | 06/11/23 19:35 | 1   |     |
| o-Terphenyl                          | 141       | S1+       | 70 - 130 |       |   | 06/09/23 17:18 | 06/11/23 19:35 | 1   |     |

Lab Sample ID: LCS 880-55185/2-A

Matrix: Solid

Analysis Batch: 55229

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 55185

| Analyte                              | Spike     | LCS       | LCS       |       |   |      |          | %Rec |  |
|--------------------------------------|-----------|-----------|-----------|-------|---|------|----------|------|--|
|                                      | Added     | Result    | Qualifier | Unit  | D | %Rec | Limits   |      |  |
| Gasoline Range Organics (GRO)-C6-C10 | 1000      | 911.5     |           | mg/Kg |   | 91   | 70 - 130 |      |  |
| Diesel Range Organics (Over C10-C28) | 1000      | 957.4     |           | mg/Kg |   | 96   | 70 - 130 |      |  |
| Surrogate                            | %Recovery | Qualifier | Limits    |       |   |      |          |      |  |
| 1-Chlorooctane                       | 24        | S1-       | 70 - 130  |       |   |      |          |      |  |
| o-Terphenyl                          | 20        | S1-       | 70 - 130  |       |   |      |          |      |  |

Lab Sample ID: LCSD 880-55185/3-A

Matrix: Solid

Analysis Batch: 55229

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 55185

| Analyte                              | Spike     | LCSD      | LCSD      |       |   |      |          | %Rec |     | RPD | Limit |
|--------------------------------------|-----------|-----------|-----------|-------|---|------|----------|------|-----|-----|-------|
|                                      | Added     | Result    | Qualifier | Unit  | D | %Rec | Limits   |      | RPD |     |       |
| Gasoline Range Organics (GRO)-C6-C10 | 1000      | 882.9     |           | mg/Kg |   | 88   | 70 - 130 |      | 3   |     | 20    |
| Diesel Range Organics (Over C10-C28) | 1000      | 925.2     |           | mg/Kg |   | 93   | 70 - 130 |      | 3   |     | 20    |
| Surrogate                            | %Recovery | Qualifier | Limits    |       |   |      |          |      |     |     |       |
| 1-Chlorooctane                       | 23        | S1-       | 70 - 130  |       |   |      |          |      |     |     |       |
| o-Terphenyl                          | 19        | S1-       | 70 - 130  |       |   |      |          |      |     |     |       |

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## QC Sample Results

Client: TRC Solutions, Inc.  
Project/Site: Rocket Fed #5H

Job ID: 880-29346-1

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

Lab Sample ID: 880-29346-1 MS

**Matrix: Solid**

Analysis Batch: 55229

**Client Sample ID: FL-8 @ 4**

Prep Type: Total/NA

Prep Batch: 55185

|                                      | Sample          | Sample          | Spike    | MS     | MS        |       |   |      | %Rec     |  |  |
|--------------------------------------|-----------------|-----------------|----------|--------|-----------|-------|---|------|----------|--|--|
| Analyte                              | Result          | Qualifier       | Added    | Result | Qualifier | Unit  | D | %Rec | Limits   |  |  |
| Gasoline Range Organics (GRO)-C6-C10 | <49.9           | U               | 999      | 961.3  |           | mg/Kg |   | 95   | 70 - 130 |  |  |
| Diesel Range Organics (Over C10-C28) | <49.9           | U               | 999      | 907.7  |           | mg/Kg |   | 91   | 70 - 130 |  |  |
|                                      |                 |                 |          |        |           |       |   |      |          |  |  |
| Surrogate                            | MS<br>%Recovery | MS<br>Qualifier | Limits   |        |           |       |   |      |          |  |  |
| 1-Chlorooctane                       | 98              |                 | 70 - 130 |        |           |       |   |      |          |  |  |
| o-Terphenyl                          | 97              |                 | 70 - 130 |        |           |       |   |      |          |  |  |

Lab Sample ID: 880-29346-1 MSD

**Matrix: Solid**

**Analysis Batch: 55229**

**Client Sample ID: FL-8 @ 4**

Prep Type: Total/NA

**Prep Batch: 55185**

|                                      | 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 | <49.9            | U                | 998      | 943.6  |           | mg/Kg |   | 93   | 70 - 130 | 2   | 20    |
| Diesel Range Organics (Over C10-C28) | <49.9            | U                | 998      | 875.3  |           | mg/Kg |   | 88   | 70 - 130 | 4   | 20    |
|                                      |                  |                  |          |        |           |       |   |      |          |     |       |
| Surrogate                            | MSD<br>%Recovery | MSD<br>Qualifier | Limits   |        |           |       |   |      |          |     |       |
| 1-Chlorooctane                       | 95               |                  | 70 - 130 |        |           |       |   |      |          |     |       |
| o-Terphenyl                          | 96               |                  | 70 - 130 |        |           |       |   |      |          |     |       |

**Method: 300.0 - Anions, Ion Chromatography**

**Lab Sample ID: MB 880-55171/1-A**

**Matrix: Solid**

**Analysis Batch: 55212**

**Client Sample ID: Method Blank**

**Prep Type: Soluble**

| Analyte  | MB     | MB        | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
|          | Result | Qualifier |      |       |   |          |                |         |
| Chloride | <5.00  | U         | 5.00 | mg/Kg |   |          | 06/10/23 01:08 | 1       |

**Lab Sample ID: LCS 880-55171/2-A**

**Matrix: Solid**

**Analysis Batch: 55212**

**Client Sample ID: Lab Control Sample**

**Prep Type: Soluble**

| Analyte  | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec     |
|----------|-------------|------------|---------------|-------|---|------|----------|
|          |             |            |               |       |   |      | Limits   |
| Chloride | 250         | 259.6      |               | mg/Kg |   | 104  | 90 - 110 |

**Lab Sample ID: LCSD 880-55171/3-A**

**Matrix: Solid**

**Analysis Batch: 55212**

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

**Prep Type: Soluble**

|          |  |  |  | Spike | LCSD   | LCSD      |       |   |      |          | %Rec |     |  | RPD    |
|----------|--|--|--|-------|--------|-----------|-------|---|------|----------|------|-----|--|--------|
| Analyte  |  |  |  | Added | Result | Qualifier | Unit  | D | %Rec | Limits   |      | RPD |  | Limits |
| Chloride |  |  |  | 250   | 263.5  |           | mg/Kg |   | 105  | 90 - 110 |      | 1   |  | 20     |

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QC Sample Results

Client: TRC Solutions, Inc.  
Project/Site: Rocket Fed #5H

Job ID: 880-29346-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-29346-1 MS

Matrix: Solid

Analysis Batch: 55212

Client Sample ID: FL-8 @ 4

Prep Type: Soluble

| Analyte  | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |  |  |
|----------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|--|--|
| Chloride | 381           |                  | 251         | 626.0     |              | mg/Kg |   | 98   | 90 - 110    |  |  |

Lab Sample ID: 880-29346-1 MSD

Matrix: Solid

Analysis Batch: 55212

Client Sample ID: FL-8 @ 4

Prep Type: Soluble

| Analyte  | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|----------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Chloride | 381           |                  | 251         | 625.4      |               | mg/Kg |   | 98   | 90 - 110    | 0   | 20        |

Lab Sample ID: 880-29346-11 MS

Matrix: Solid

Analysis Batch: 55212

Client Sample ID: SW-18

Prep Type: Soluble

| Analyte  | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |  |  |
|----------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|--|--|
| Chloride | 80.9          |                  | 249         | 337.7     |              | mg/Kg |   | 103  | 90 - 110    |  |  |

Lab Sample ID: 880-29346-11 MSD

Matrix: Solid

Analysis Batch: 55212

Client Sample ID: SW-18

Prep Type: Soluble

| Analyte  | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|----------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Chloride | 80.9          |                  | 249         | 333.6      |               | mg/Kg |   | 101  | 90 - 110    | 1   | 20        |

## QC Association Summary

Client: TRC Solutions, Inc.  
Project/Site: Rocket Fed #5H

Job ID: 880-29346-1

## GC VOA

## Prep Batch: 55176

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 880-29346-1        | FL-8 @ 4               | Total/NA  | Solid  | 5035   |            |
| 880-29346-2        | FL-9 @ 4               | Total/NA  | Solid  | 5035   |            |
| 880-29346-3        | FL-10 @ 4              | Total/NA  | Solid  | 5035   |            |
| 880-29346-4        | FL-11 @ 4              | Total/NA  | Solid  | 5035   |            |
| 880-29346-5        | FL-12 @ 4              | Total/NA  | Solid  | 5035   |            |
| 880-29346-6        | FL-13 @ 4              | Total/NA  | Solid  | 5035   |            |
| 880-29346-7        | FL-14 @ 4              | Total/NA  | Solid  | 5035   |            |
| 880-29346-8        | FL-15 @ 4              | Total/NA  | Solid  | 5035   |            |
| 880-29346-9        | SW-13                  | Total/NA  | Solid  | 5035   |            |
| 880-29346-10       | SW-17                  | Total/NA  | Solid  | 5035   |            |
| 880-29346-11       | SW-18                  | Total/NA  | Solid  | 5035   |            |
| 880-29346-12       | FL-16 @ 4              | Total/NA  | Solid  | 5035   |            |
| MB 880-55176/5-A   | Method Blank           | Total/NA  | Solid  | 5035   |            |
| LCS 880-55176/1-A  | Lab Control Sample     | Total/NA  | Solid  | 5035   |            |
| LCSD 880-55176/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 5035   |            |
| 880-29346-1 MS     | FL-8 @ 4               | Total/NA  | Solid  | 5035   |            |
| 880-29346-1 MSD    | FL-8 @ 4               | Total/NA  | Solid  | 5035   |            |

## Analysis Batch: 55243

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 880-29346-1        | FL-8 @ 4               | Total/NA  | Solid  | 8021B  | 55176      |
| 880-29346-2        | FL-9 @ 4               | Total/NA  | Solid  | 8021B  | 55176      |
| 880-29346-3        | FL-10 @ 4              | Total/NA  | Solid  | 8021B  | 55176      |
| 880-29346-4        | FL-11 @ 4              | Total/NA  | Solid  | 8021B  | 55176      |
| 880-29346-5        | FL-12 @ 4              | Total/NA  | Solid  | 8021B  | 55176      |
| 880-29346-6        | FL-13 @ 4              | Total/NA  | Solid  | 8021B  | 55176      |
| 880-29346-7        | FL-14 @ 4              | Total/NA  | Solid  | 8021B  | 55176      |
| 880-29346-8        | FL-15 @ 4              | Total/NA  | Solid  | 8021B  | 55176      |
| 880-29346-9        | SW-13                  | Total/NA  | Solid  | 8021B  | 55176      |
| 880-29346-10       | SW-17                  | Total/NA  | Solid  | 8021B  | 55176      |
| 880-29346-11       | SW-18                  | Total/NA  | Solid  | 8021B  | 55176      |
| 880-29346-12       | FL-16 @ 4              | Total/NA  | Solid  | 8021B  | 55176      |
| MB 880-55176/5-A   | Method Blank           | Total/NA  | Solid  | 8021B  | 55176      |
| LCS 880-55176/1-A  | Lab Control Sample     | Total/NA  | Solid  | 8021B  | 55176      |
| LCSD 880-55176/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 8021B  | 55176      |
| 880-29346-1 MS     | FL-8 @ 4               | Total/NA  | Solid  | 8021B  | 55176      |
| 880-29346-1 MSD    | FL-8 @ 4               | Total/NA  | Solid  | 8021B  | 55176      |

## Analysis Batch: 55244

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 880-29346-13       | FL-17 @ 4              | Total/NA  | Solid  | 8021B  | 55246      |
| 880-29346-14       | FL-18 @ 4              | Total/NA  | Solid  | 8021B  | 55246      |
| 880-29346-15       | FL-19 @ 4              | Total/NA  | Solid  | 8021B  | 55246      |
| 880-29346-16       | FL-20 @ 4              | Total/NA  | Solid  | 8021B  | 55246      |
| 880-29346-17       | FL-21 @ 4              | Total/NA  | Solid  | 8021B  | 55246      |
| 880-29346-18       | SW-14                  | Total/NA  | Solid  | 8021B  | 55246      |
| MB 880-55246/5-A   | Method Blank           | Total/NA  | Solid  | 8021B  | 55246      |
| LCS 880-55246/1-A  | Lab Control Sample     | Total/NA  | Solid  | 8021B  | 55246      |
| LCSD 880-55246/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 8021B  | 55246      |
| 880-29346-13 MS    | FL-17 @ 4              | Total/NA  | Solid  | 8021B  | 55246      |
| 880-29346-13 MSD   | FL-17 @ 4              | Total/NA  | Solid  | 8021B  | 55246      |

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## QC Association Summary

Client: TRC Solutions, Inc.  
Project/Site: Rocket Fed #5H

Job ID: 880-29346-1

## GC VOA

## Prep Batch: 55246

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 880-29346-13       | FL-17 @ 4              | Total/NA  | Solid  | 5035   |            |
| 880-29346-14       | FL-18 @ 4              | Total/NA  | Solid  | 5035   |            |
| 880-29346-15       | FL-19 @ 4              | Total/NA  | Solid  | 5035   |            |
| 880-29346-16       | FL-20 @ 4              | Total/NA  | Solid  | 5035   |            |
| 880-29346-17       | FL-21 @ 4              | Total/NA  | Solid  | 5035   |            |
| 880-29346-18       | SW-14                  | Total/NA  | Solid  | 5035   |            |
| MB 880-55246/5-A   | Method Blank           | Total/NA  | Solid  | 5035   |            |
| LCS 880-55246/1-A  | Lab Control Sample     | Total/NA  | Solid  | 5035   |            |
| LCSD 880-55246/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 5035   |            |
| 880-29346-13 MS    | FL-17 @ 4              | Total/NA  | Solid  | 5035   |            |
| 880-29346-13 MSD   | FL-17 @ 4              | Total/NA  | Solid  | 5035   |            |

## Analysis Batch: 55387

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method     | Prep Batch |
|---------------|------------------|-----------|--------|------------|------------|
| 880-29346-1   | FL-8 @ 4         | Total/NA  | Solid  | Total BTEX |            |
| 880-29346-2   | FL-9 @ 4         | Total/NA  | Solid  | Total BTEX |            |
| 880-29346-3   | FL-10 @ 4        | Total/NA  | Solid  | Total BTEX |            |
| 880-29346-4   | FL-11 @ 4        | Total/NA  | Solid  | Total BTEX |            |
| 880-29346-5   | FL-12 @ 4        | Total/NA  | Solid  | Total BTEX |            |
| 880-29346-6   | FL-13 @ 4        | Total/NA  | Solid  | Total BTEX |            |
| 880-29346-7   | FL-14 @ 4        | Total/NA  | Solid  | Total BTEX |            |
| 880-29346-8   | FL-15 @ 4        | Total/NA  | Solid  | Total BTEX |            |
| 880-29346-9   | SW-13            | Total/NA  | Solid  | Total BTEX |            |
| 880-29346-10  | SW-17            | Total/NA  | Solid  | Total BTEX |            |
| 880-29346-11  | SW-18            | Total/NA  | Solid  | Total BTEX |            |
| 880-29346-12  | FL-16 @ 4        | Total/NA  | Solid  | Total BTEX |            |
| 880-29346-13  | FL-17 @ 4        | Total/NA  | Solid  | Total BTEX |            |
| 880-29346-14  | FL-18 @ 4        | Total/NA  | Solid  | Total BTEX |            |
| 880-29346-15  | FL-19 @ 4        | Total/NA  | Solid  | Total BTEX |            |
| 880-29346-16  | FL-20 @ 4        | Total/NA  | Solid  | Total BTEX |            |
| 880-29346-17  | FL-21 @ 4        | Total/NA  | Solid  | Total BTEX |            |
| 880-29346-18  | SW-14            | Total/NA  | Solid  | Total BTEX |            |

## GC Semi VOA

## Prep Batch: 55185

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method      | Prep Batch |
|---------------|------------------|-----------|--------|-------------|------------|
| 880-29346-1   | FL-8 @ 4         | Total/NA  | Solid  | 8015NM Prep |            |
| 880-29346-2   | FL-9 @ 4         | Total/NA  | Solid  | 8015NM Prep |            |
| 880-29346-3   | FL-10 @ 4        | Total/NA  | Solid  | 8015NM Prep |            |
| 880-29346-4   | FL-11 @ 4        | Total/NA  | Solid  | 8015NM Prep |            |
| 880-29346-5   | FL-12 @ 4        | Total/NA  | Solid  | 8015NM Prep |            |
| 880-29346-6   | FL-13 @ 4        | Total/NA  | Solid  | 8015NM Prep |            |
| 880-29346-7   | FL-14 @ 4        | Total/NA  | Solid  | 8015NM Prep |            |
| 880-29346-8   | FL-15 @ 4        | Total/NA  | Solid  | 8015NM Prep |            |
| 880-29346-9   | SW-13            | Total/NA  | Solid  | 8015NM Prep |            |
| 880-29346-10  | SW-17            | Total/NA  | Solid  | 8015NM Prep |            |
| 880-29346-11  | SW-18            | Total/NA  | Solid  | 8015NM Prep |            |
| 880-29346-12  | FL-16 @ 4        | Total/NA  | Solid  | 8015NM Prep |            |
| 880-29346-13  | FL-17 @ 4        | Total/NA  | Solid  | 8015NM Prep |            |
| 880-29346-14  | FL-18 @ 4        | Total/NA  | Solid  | 8015NM Prep |            |

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## QC Association Summary

Client: TRC Solutions, Inc.  
Project/Site: Rocket Fed #5H

Job ID: 880-29346-1

## GC Semi VOA (Continued)

## Prep Batch: 55185 (Continued)

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method      | Prep Batch |
|--------------------|------------------------|-----------|--------|-------------|------------|
| 880-29346-15       | FL-19 @ 4              | Total/NA  | Solid  | 8015NM Prep |            |
| 880-29346-16       | FL-20 @ 4              | Total/NA  | Solid  | 8015NM Prep |            |
| 880-29346-17       | FL-21 @ 4              | Total/NA  | Solid  | 8015NM Prep |            |
| 880-29346-18       | SW-14                  | Total/NA  | Solid  | 8015NM Prep |            |
| MB 880-55185/1-A   | Method Blank           | Total/NA  | Solid  | 8015NM Prep |            |
| LCS 880-55185/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015NM Prep |            |
| LCSD 880-55185/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015NM Prep |            |
| 880-29346-1 MS     | FL-8 @ 4               | Total/NA  | Solid  | 8015NM Prep |            |
| 880-29346-1 MSD    | FL-8 @ 4               | Total/NA  | Solid  | 8015NM Prep |            |

## Analysis Batch: 55229

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| 880-29346-1        | FL-8 @ 4               | Total/NA  | Solid  | 8015B NM | 55185      |
| 880-29346-2        | FL-9 @ 4               | Total/NA  | Solid  | 8015B NM | 55185      |
| 880-29346-3        | FL-10 @ 4              | Total/NA  | Solid  | 8015B NM | 55185      |
| 880-29346-4        | FL-11 @ 4              | Total/NA  | Solid  | 8015B NM | 55185      |
| 880-29346-5        | FL-12 @ 4              | Total/NA  | Solid  | 8015B NM | 55185      |
| 880-29346-6        | FL-13 @ 4              | Total/NA  | Solid  | 8015B NM | 55185      |
| 880-29346-7        | FL-14 @ 4              | Total/NA  | Solid  | 8015B NM | 55185      |
| 880-29346-8        | FL-15 @ 4              | Total/NA  | Solid  | 8015B NM | 55185      |
| 880-29346-9        | SW-13                  | Total/NA  | Solid  | 8015B NM | 55185      |
| 880-29346-10       | SW-17                  | Total/NA  | Solid  | 8015B NM | 55185      |
| 880-29346-11       | SW-18                  | Total/NA  | Solid  | 8015B NM | 55185      |
| 880-29346-12       | FL-16 @ 4              | Total/NA  | Solid  | 8015B NM | 55185      |
| 880-29346-13       | FL-17 @ 4              | Total/NA  | Solid  | 8015B NM | 55185      |
| 880-29346-14       | FL-18 @ 4              | Total/NA  | Solid  | 8015B NM | 55185      |
| 880-29346-15       | FL-19 @ 4              | Total/NA  | Solid  | 8015B NM | 55185      |
| 880-29346-16       | FL-20 @ 4              | Total/NA  | Solid  | 8015B NM | 55185      |
| 880-29346-17       | FL-21 @ 4              | Total/NA  | Solid  | 8015B NM | 55185      |
| 880-29346-18       | SW-14                  | Total/NA  | Solid  | 8015B NM | 55185      |
| MB 880-55185/1-A   | Method Blank           | Total/NA  | Solid  | 8015B NM | 55185      |
| LCS 880-55185/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015B NM | 55185      |
| LCSD 880-55185/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015B NM | 55185      |
| 880-29346-1 MS     | FL-8 @ 4               | Total/NA  | Solid  | 8015B NM | 55185      |
| 880-29346-1 MSD    | FL-8 @ 4               | Total/NA  | Solid  | 8015B NM | 55185      |

## Analysis Batch: 55329

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method  | Prep Batch |
|---------------|------------------|-----------|--------|---------|------------|
| 880-29346-1   | FL-8 @ 4         | Total/NA  | Solid  | 8015 NM |            |
| 880-29346-2   | FL-9 @ 4         | Total/NA  | Solid  | 8015 NM |            |
| 880-29346-3   | FL-10 @ 4        | Total/NA  | Solid  | 8015 NM |            |
| 880-29346-4   | FL-11 @ 4        | Total/NA  | Solid  | 8015 NM |            |
| 880-29346-5   | FL-12 @ 4        | Total/NA  | Solid  | 8015 NM |            |
| 880-29346-6   | FL-13 @ 4        | Total/NA  | Solid  | 8015 NM |            |
| 880-29346-7   | FL-14 @ 4        | Total/NA  | Solid  | 8015 NM |            |
| 880-29346-8   | FL-15 @ 4        | Total/NA  | Solid  | 8015 NM |            |
| 880-29346-9   | SW-13            | Total/NA  | Solid  | 8015 NM |            |
| 880-29346-10  | SW-17            | Total/NA  | Solid  | 8015 NM |            |
| 880-29346-11  | SW-18            | Total/NA  | Solid  | 8015 NM |            |
| 880-29346-12  | FL-16 @ 4        | Total/NA  | Solid  | 8015 NM |            |
| 880-29346-13  | FL-17 @ 4        | Total/NA  | Solid  | 8015 NM |            |

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## QC Association Summary

Client: TRC Solutions, Inc.  
Project/Site: Rocket Fed #5H

Job ID: 880-29346-1

## GC Semi VOA (Continued)

## Analysis Batch: 55329 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method  | Prep Batch |
|---------------|------------------|-----------|--------|---------|------------|
| 880-29346-14  | FL-18 @ 4        | Total/NA  | Solid  | 8015 NM |            |
| 880-29346-15  | FL-19 @ 4        | Total/NA  | Solid  | 8015 NM |            |
| 880-29346-16  | FL-20 @ 4        | Total/NA  | Solid  | 8015 NM |            |
| 880-29346-17  | FL-21 @ 4        | Total/NA  | Solid  | 8015 NM |            |
| 880-29346-18  | SW-14            | Total/NA  | Solid  | 8015 NM |            |

## HPLC/IC

## Leach Batch: 55171

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| 880-29346-1        | FL-8 @ 4               | Soluble   | Solid  | DI Leach |            |
| 880-29346-2        | FL-9 @ 4               | Soluble   | Solid  | DI Leach |            |
| 880-29346-3        | FL-10 @ 4              | Soluble   | Solid  | DI Leach |            |
| 880-29346-4        | FL-11 @ 4              | Soluble   | Solid  | DI Leach |            |
| 880-29346-5        | FL-12 @ 4              | Soluble   | Solid  | DI Leach |            |
| 880-29346-6        | FL-13 @ 4              | Soluble   | Solid  | DI Leach |            |
| 880-29346-7        | FL-14 @ 4              | Soluble   | Solid  | DI Leach |            |
| 880-29346-8        | FL-15 @ 4              | Soluble   | Solid  | DI Leach |            |
| 880-29346-9        | SW-13                  | Soluble   | Solid  | DI Leach |            |
| 880-29346-10       | SW-17                  | Soluble   | Solid  | DI Leach |            |
| 880-29346-11       | SW-18                  | Soluble   | Solid  | DI Leach |            |
| 880-29346-12       | FL-16 @ 4              | Soluble   | Solid  | DI Leach |            |
| 880-29346-13       | FL-17 @ 4              | Soluble   | Solid  | DI Leach |            |
| 880-29346-14       | FL-18 @ 4              | Soluble   | Solid  | DI Leach |            |
| 880-29346-15       | FL-19 @ 4              | Soluble   | Solid  | DI Leach |            |
| 880-29346-16       | FL-20 @ 4              | Soluble   | Solid  | DI Leach |            |
| 880-29346-17       | FL-21 @ 4              | Soluble   | Solid  | DI Leach |            |
| 880-29346-18       | SW-14                  | Soluble   | Solid  | DI Leach |            |
| MB 880-55171/1-A   | Method Blank           | Soluble   | Solid  | DI Leach |            |
| LCS 880-55171/2-A  | Lab Control Sample     | Soluble   | Solid  | DI Leach |            |
| LCSD 880-55171/3-A | Lab Control Sample Dup | Soluble   | Solid  | DI Leach |            |
| 880-29346-1 MS     | FL-8 @ 4               | Soluble   | Solid  | DI Leach |            |
| 880-29346-1 MSD    | FL-8 @ 4               | Soluble   | Solid  | DI Leach |            |
| 880-29346-11 MS    | SW-18                  | Soluble   | Solid  | DI Leach |            |
| 880-29346-11 MSD   | SW-18                  | Soluble   | Solid  | DI Leach |            |

## Analysis Batch: 55212

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|--------|------------|
| 880-29346-1   | FL-8 @ 4         | Soluble   | Solid  | 300.0  | 55171      |
| 880-29346-2   | FL-9 @ 4         | Soluble   | Solid  | 300.0  | 55171      |
| 880-29346-3   | FL-10 @ 4        | Soluble   | Solid  | 300.0  | 55171      |
| 880-29346-4   | FL-11 @ 4        | Soluble   | Solid  | 300.0  | 55171      |
| 880-29346-5   | FL-12 @ 4        | Soluble   | Solid  | 300.0  | 55171      |
| 880-29346-6   | FL-13 @ 4        | Soluble   | Solid  | 300.0  | 55171      |
| 880-29346-7   | FL-14 @ 4        | Soluble   | Solid  | 300.0  | 55171      |
| 880-29346-8   | FL-15 @ 4        | Soluble   | Solid  | 300.0  | 55171      |
| 880-29346-9   | SW-13            | Soluble   | Solid  | 300.0  | 55171      |
| 880-29346-10  | SW-17            | Soluble   | Solid  | 300.0  | 55171      |
| 880-29346-11  | SW-18            | Soluble   | Solid  | 300.0  | 55171      |
| 880-29346-12  | FL-16 @ 4        | Soluble   | Solid  | 300.0  | 55171      |
| 880-29346-13  | FL-17 @ 4        | Soluble   | Solid  | 300.0  | 55171      |

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QC Association Summary

Client: TRC Solutions, Inc.  
Project/Site: Rocket Fed #5H

Job ID: 880-29346-1

HPLC/IC (Continued)

Analysis Batch: 55212 (Continued)

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 880-29346-14       | FL-18 @ 4              | Soluble   | Solid  | 300.0  | 55171      |
| 880-29346-15       | FL-19 @ 4              | Soluble   | Solid  | 300.0  | 55171      |
| 880-29346-16       | FL-20 @ 4              | Soluble   | Solid  | 300.0  | 55171      |
| 880-29346-17       | FL-21 @ 4              | Soluble   | Solid  | 300.0  | 55171      |
| 880-29346-18       | SW-14                  | Soluble   | Solid  | 300.0  | 55171      |
| MB 880-55171/1-A   | Method Blank           | Soluble   | Solid  | 300.0  | 55171      |
| LCS 880-55171/2-A  | Lab Control Sample     | Soluble   | Solid  | 300.0  | 55171      |
| LCSD 880-55171/3-A | Lab Control Sample Dup | Soluble   | Solid  | 300.0  | 55171      |
| 880-29346-1 MS     | FL-8 @ 4               | Soluble   | Solid  | 300.0  | 55171      |
| 880-29346-1 MSD    | FL-8 @ 4               | Soluble   | Solid  | 300.0  | 55171      |
| 880-29346-11 MS    | SW-18                  | Soluble   | Solid  | 300.0  | 55171      |
| 880-29346-11 MSD   | SW-18                  | Soluble   | Solid  | 300.0  | 55171      |

Lab Chronicle

Client: TRC Solutions, Inc.  
Project/Site: Rocket Fed #5H

Job ID: 880-29346-1

Client Sample ID: FL-8 @ 4  
Date Collected: 06/07/23 14:25  
Date Received: 06/09/23 15:22

Lab Sample ID: 880-29346-1  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.03 g         | 5 mL         | 55176        | 06/09/23 16:35       | EL      | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 55243        | 06/12/23 12:48       | AJ      | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 55387        | 06/13/23 11:41       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 55329        | 06/12/23 14:08       | AJ      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.02 g        | 10 mL        | 55185        | 06/09/23 17:18       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 55229        | 06/11/23 20:39       | AJ      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.99 g         | 50 mL        | 55171        | 06/09/23 16:15       | KS      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 55212        | 06/10/23 01:24       | CH      | EET MID |

Client Sample ID: FL-9 @ 4  
Date Collected: 06/07/23 14:30  
Date Received: 06/09/23 15:22

Lab Sample ID: 880-29346-2  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.05 g         | 5 mL         | 55176        | 06/09/23 16:35       | EL      | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 55243        | 06/12/23 13:08       | AJ      | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 55387        | 06/13/23 11:41       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 55329        | 06/12/23 14:08       | AJ      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.03 g        | 10 mL        | 55185        | 06/09/23 17:18       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 55229        | 06/11/23 21:43       | AJ      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.98 g         | 50 mL        | 55171        | 06/09/23 16:15       | KS      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 55212        | 06/10/23 01:40       | CH      | EET MID |

Client Sample ID: FL-10 @ 4  
Date Collected: 06/07/23 14:35  
Date Received: 06/09/23 15:22

Lab Sample ID: 880-29346-3  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.99 g         | 5 mL         | 55176        | 06/09/23 16:35       | EL      | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 55243        | 06/12/23 13:29       | AJ      | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 55387        | 06/13/23 11:41       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 55329        | 06/12/23 14:08       | AJ      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.00 g        | 10 mL        | 55185        | 06/09/23 17:18       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 55229        | 06/11/23 22:04       | AJ      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.01 g         | 50 mL        | 55171        | 06/09/23 16:15       | KS      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 5          |                |              | 55212        | 06/10/23 01:45       | CH      | EET MID |

Client Sample ID: FL-11 @ 4  
Date Collected: 06/07/23 14:40  
Date Received: 06/09/23 15:22

Lab Sample ID: 880-29346-4  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.97 g         | 5 mL         | 55176        | 06/09/23 16:35       | EL      | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 55243        | 06/12/23 13:49       | AJ      | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 55387        | 06/13/23 11:41       | AJ      | EET MID |

Eurofins Midland

## Lab Chronicle

Client: TRC Solutions, Inc.  
Project/Site: Rocket Fed #5H

Job ID: 880-29346-1

Client Sample ID: FL-11 @ 4

Lab Sample ID: 880-29346-4

Date Collected: 06/07/23 14:40

Matrix: Solid

Date Received: 06/09/23 15:22

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 55329        | 06/12/23 14:08       | AJ      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 55185        | 06/09/23 17:18       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 55229        | 06/11/23 22:25       | AJ      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.05 g         | 50 mL        | 55171        | 06/09/23 16:15       | KS      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 55212        | 06/10/23 01:51       | CH      | EET MID |

Client Sample ID: FL-12 @ 4

Lab Sample ID: 880-29346-5

Date Collected: 06/07/23 14:45

Matrix: Solid

Date Received: 06/09/23 15:22

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.99 g         | 5 mL         | 55176        | 06/09/23 16:35       | EL      | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 55243        | 06/12/23 14:10       | AJ      | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 55387        | 06/13/23 11:41       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 55329        | 06/12/23 14:08       | AJ      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.00 g        | 10 mL        | 55185        | 06/09/23 17:18       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 55229        | 06/11/23 22:47       | AJ      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.02 g         | 50 mL        | 55171        | 06/09/23 16:15       | KS      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 55212        | 06/10/23 01:56       | CH      | EET MID |

Client Sample ID: FL-13 @ 4

Lab Sample ID: 880-29346-6

Date Collected: 06/07/23 14:50

Matrix: Solid

Date Received: 06/09/23 15:22

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.95 g         | 5 mL         | 55176        | 06/09/23 16:35       | EL      | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 55243        | 06/12/23 14:30       | AJ      | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 55387        | 06/13/23 11:41       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 55329        | 06/12/23 14:08       | AJ      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.04 g        | 10 mL        | 55185        | 06/09/23 17:18       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 55229        | 06/11/23 23:08       | AJ      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.98 g         | 50 mL        | 55171        | 06/09/23 16:15       | KS      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 55212        | 06/10/23 02:12       | CH      | EET MID |

Client Sample ID: FL-14 @ 4

Lab Sample ID: 880-29346-7

Date Collected: 06/07/23 14:55

Matrix: Solid

Date Received: 06/09/23 15:22

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.96 g         | 5 mL         | 55176        | 06/09/23 16:35       | EL      | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 55243        | 06/12/23 14:51       | AJ      | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 55387        | 06/13/23 11:41       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 55329        | 06/12/23 14:08       | AJ      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.02 g        | 10 mL        | 55185        | 06/09/23 17:18       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 55229        | 06/11/23 23:30       | AJ      | EET MID |

Eurofins Midland

## Lab Chronicle

Client: TRC Solutions, Inc.  
Project/Site: Rocket Fed #5H

Job ID: 880-29346-1

Client Sample ID: FL-14 @ 4

Lab Sample ID: 880-29346-7

Date Collected: 06/07/23 14:55

Matrix: Solid

Date Received: 06/09/23 15:22

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 4.95 g         | 50 mL        | 55171        | 06/09/23 16:15       | KS      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 10         |                |              | 55212        | 06/10/23 02:17       | CH      | EET MID |

Client Sample ID: FL-15 @ 4

Lab Sample ID: 880-29346-8

Date Collected: 06/07/23 15:00

Matrix: Solid

Date Received: 06/09/23 15:22

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.03 g         | 5 mL         | 55176        | 06/09/23 16:35       | EL      | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 55243        | 06/12/23 15:12       | AJ      | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 55387        | 06/13/23 11:41       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 55329        | 06/12/23 14:08       | AJ      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.03 g        | 10 mL        | 55185        | 06/09/23 17:18       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 55229        | 06/11/23 23:51       | AJ      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5 g            | 50 mL        | 55171        | 06/09/23 16:15       | KS      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 5          |                |              | 55212        | 06/10/23 02:23       | CH      | EET MID |

Client Sample ID: SW-13

Lab Sample ID: 880-29346-9

Date Collected: 06/08/23 15:45

Matrix: Solid

Date Received: 06/09/23 15:22

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.02 g         | 5 mL         | 55176        | 06/09/23 16:35       | EL      | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 55243        | 06/12/23 15:32       | AJ      | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 55387        | 06/13/23 11:41       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 55329        | 06/12/23 14:08       | AJ      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.03 g        | 10 mL        | 55185        | 06/09/23 17:18       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 55229        | 06/12/23 00:12       | AJ      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.04 g         | 50 mL        | 55171        | 06/09/23 16:15       | KS      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 55212        | 06/10/23 02:28       | CH      | EET MID |

Client Sample ID: SW-17

Lab Sample ID: 880-29346-10

Date Collected: 06/08/23 16:00

Matrix: Solid

Date Received: 06/09/23 15:22

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.97 g         | 5 mL         | 55176        | 06/09/23 16:35       | EL      | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 55243        | 06/12/23 15:53       | AJ      | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 55387        | 06/13/23 11:41       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 55329        | 06/12/23 14:08       | AJ      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.05 g        | 10 mL        | 55185        | 06/09/23 17:18       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 55229        | 06/12/23 00:32       | AJ      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.01 g         | 50 mL        | 55171        | 06/09/23 16:15       | KS      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 55212        | 06/10/23 02:33       | CH      | EET MID |

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Lab Chronicle

Client: TRC Solutions, Inc.  
Project/Site: Rocket Fed #5H

Job ID: 880-29346-1

Client Sample ID: SW-18  
Date Collected: 06/08/23 16:05  
Date Received: 06/09/23 15:22

Lab Sample ID: 880-29346-11  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.98 g         | 5 mL         | 55176        | 06/09/23 16:35       | EL      | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 55243        | 06/12/23 17:35       | AJ      | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 55387        | 06/13/23 11:41       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 55329        | 06/12/23 14:08       | AJ      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.04 g        | 10 mL        | 55185        | 06/09/23 17:18       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 55229        | 06/12/23 01:13       | AJ      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.02 g         | 50 mL        | 55171        | 06/09/23 16:15       | KS      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 55212        | 06/10/23 02:39       | CH      | EET MID |

Client Sample ID: FL-16 @ 4  
Date Collected: 06/08/23 11:00  
Date Received: 06/09/23 15:22

Lab Sample ID: 880-29346-12  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.95 g         | 5 mL         | 55176        | 06/09/23 16:35       | EL      | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 55243        | 06/12/23 17:56       | AJ      | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 55387        | 06/13/23 11:41       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 55329        | 06/12/23 14:08       | AJ      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.05 g        | 10 mL        | 55185        | 06/09/23 17:18       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 55229        | 06/12/23 01:33       | AJ      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5 g            | 50 mL        | 55171        | 06/09/23 16:15       | KS      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 55212        | 06/10/23 02:55       | CH      | EET MID |

Client Sample ID: FL-17 @ 4  
Date Collected: 06/08/23 11:05  
Date Received: 06/09/23 15:22

Lab Sample ID: 880-29346-13  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.03 g         | 5 mL         | 55246        | 06/12/23 08:57       | EL      | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 55244        | 06/12/23 14:32       | AJ      | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 55387        | 06/13/23 11:33       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 55329        | 06/12/23 14:08       | AJ      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 55185        | 06/09/23 17:18       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 55229        | 06/12/23 01:53       | AJ      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.05 g         | 50 mL        | 55171        | 06/09/23 16:15       | KS      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 55212        | 06/10/23 03:00       | CH      | EET MID |

Client Sample ID: FL-18 @ 4  
Date Collected: 06/08/23 11:10  
Date Received: 06/09/23 15:22

Lab Sample ID: 880-29346-14  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.05 g         | 5 mL         | 55246        | 06/12/23 08:57       | EL      | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 55244        | 06/12/23 14:53       | AJ      | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 55387        | 06/13/23 11:33       | AJ      | EET MID |

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## Lab Chronicle

Client: TRC Solutions, Inc.  
Project/Site: Rocket Fed #5H

Job ID: 880-29346-1

Client Sample ID: FL-18 @ 4

Lab Sample ID: 880-29346-14

Date Collected: 06/08/23 11:10

Matrix: Solid

Date Received: 06/09/23 15:22

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 55329        | 06/12/23 14:08       | AJ      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.02 g        | 10 mL        | 55185        | 06/09/23 17:18       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 55229        | 06/12/23 02:13       | AJ      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.02 g         | 50 mL        | 55171        | 06/09/23 16:15       | KS      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 5          |                |              | 55212        | 06/10/23 03:16       | CH      | EET MID |

Client Sample ID: FL-19 @ 4

Lab Sample ID: 880-29346-15

Date Collected: 06/08/23 11:15

Matrix: Solid

Date Received: 06/09/23 15:22

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.97 g         | 5 mL         | 55246        | 06/12/23 08:57       | EL      | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 55244        | 06/12/23 15:13       | AJ      | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 55387        | 06/13/23 11:33       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 55329        | 06/12/23 14:08       | AJ      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.04 g        | 10 mL        | 55185        | 06/09/23 17:18       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 55229        | 06/12/23 02:33       | AJ      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.05 g         | 50 mL        | 55171        | 06/09/23 16:15       | KS      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 5          |                |              | 55212        | 06/10/23 03:21       | CH      | EET MID |

Client Sample ID: FL-20 @ 4

Lab Sample ID: 880-29346-16

Date Collected: 06/08/23 11:20

Matrix: Solid

Date Received: 06/09/23 15:22

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.99 g         | 5 mL         | 55246        | 06/12/23 08:57       | EL      | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 55244        | 06/12/23 15:34       | AJ      | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 55387        | 06/13/23 11:33       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 55329        | 06/12/23 14:08       | AJ      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 55185        | 06/09/23 17:18       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 55229        | 06/12/23 02:53       | AJ      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.05 g         | 50 mL        | 55171        | 06/09/23 16:15       | KS      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 5          |                |              | 55212        | 06/10/23 03:27       | CH      | EET MID |

Client Sample ID: FL-21 @ 4

Lab Sample ID: 880-29346-17

Date Collected: 06/08/23 11:25

Matrix: Solid

Date Received: 06/09/23 15:22

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.05 g         | 5 mL         | 55246        | 06/12/23 08:57       | EL      | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 55244        | 06/12/23 15:54       | AJ      | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 55387        | 06/13/23 11:33       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 55329        | 06/12/23 14:08       | AJ      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.03 g        | 10 mL        | 55185        | 06/09/23 17:18       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 55229        | 06/12/23 03:13       | AJ      | EET MID |

Eurofins Midland



Lab Chronicle

Client: TRC Solutions, Inc.  
Project/Site: Rocket Fed #5H

Job ID: 880-29346-1

Client Sample ID: FL-21 @ 4  
Date Collected: 06/08/23 11:25  
Date Received: 06/09/23 15:22

Lab Sample ID: 880-29346-17  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.05 g         | 50 mL        | 55171        | 06/09/23 16:15       | KS      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 55212        | 06/10/23 03:32       | CH      | EET MID |

Client Sample ID: SW-14  
Date Collected: 06/09/23 10:00  
Date Received: 06/09/23 15:22

Lab Sample ID: 880-29346-18  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.02 g         | 5 mL         | 55246        | 06/12/23 08:57       | EL      | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 55244        | 06/12/23 16:32       | AJ      | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 55387        | 06/13/23 11:33       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 55329        | 06/12/23 14:08       | AJ      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.04 g        | 10 mL        | 55185        | 06/09/23 17:18       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 55229        | 06/12/23 03:33       | AJ      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.95 g         | 50 mL        | 55171        | 06/09/23 16:15       | KS      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 55212        | 06/10/23 03:37       | 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.  
Project/Site: Rocket Fed #5H

Job ID: 880-29346-1

Laboratory: Eurofins Midland

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

| Authority | Program | Identification Number | Expiration Date |
|-----------|---------|-----------------------|-----------------|
| Texas     | NELAP   | T104704400-22-25      | 06-30-23        |

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

| Analysis Method | Prep Method | Matrix | Analyte    |
|-----------------|-------------|--------|------------|
| 8015 NM         |             | Solid  | Total TPH  |
| Total BTEX      |             | Solid  | Total BTEX |

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Method Summary

Client: TRC Solutions, Inc.  
Project/Site: Rocket Fed #5H

Job ID: 880-29346-1

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

Protocol References:

- ASTM = ASTM International
- EPA = US Environmental Protection Agency
- SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.
- TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

## Sample Summary

Client: TRC Solutions, Inc.  
Project/Site: Rocket Fed #5H

Job ID: 880-29346-1

| Lab Sample ID | Client Sample ID | Matrix | Collected      | Received       | Depth |
|---------------|------------------|--------|----------------|----------------|-------|
| 880-29346-1   | FL-8 @ 4         | Solid  | 06/07/23 14:25 | 06/09/23 15:22 | 4     |
| 880-29346-2   | FL-9 @ 4         | Solid  | 06/07/23 14:30 | 06/09/23 15:22 | 4     |
| 880-29346-3   | FL-10 @ 4        | Solid  | 06/07/23 14:35 | 06/09/23 15:22 | 4     |
| 880-29346-4   | FL-11 @ 4        | Solid  | 06/07/23 14:40 | 06/09/23 15:22 | 4     |
| 880-29346-5   | FL-12 @ 4        | Solid  | 06/07/23 14:45 | 06/09/23 15:22 | 4     |
| 880-29346-6   | FL-13 @ 4        | Solid  | 06/07/23 14:50 | 06/09/23 15:22 | 4     |
| 880-29346-7   | FL-14 @ 4        | Solid  | 06/07/23 14:55 | 06/09/23 15:22 | 4     |
| 880-29346-8   | FL-15 @ 4        | Solid  | 06/07/23 15:00 | 06/09/23 15:22 | 4     |
| 880-29346-9   | SW-13            | Solid  | 06/08/23 15:45 | 06/09/23 15:22 |       |
| 880-29346-10  | SW-17            | Solid  | 06/08/23 16:00 | 06/09/23 15:22 |       |
| 880-29346-11  | SW-18            | Solid  | 06/08/23 16:05 | 06/09/23 15:22 | 4     |
| 880-29346-12  | FL-16 @ 4        | Solid  | 06/08/23 11:00 | 06/09/23 15:22 | 4     |
| 880-29346-13  | FL-17 @ 4        | Solid  | 06/08/23 11:05 | 06/09/23 15:22 | 4     |
| 880-29346-14  | FL-18 @ 4        | Solid  | 06/08/23 11:10 | 06/09/23 15:22 | 4     |
| 880-29346-15  | FL-19 @ 4        | Solid  | 06/08/23 11:15 | 06/09/23 15:22 | 4     |
| 880-29346-16  | FL-20 @ 4        | Solid  | 06/08/23 11:20 | 06/09/23 15:22 | 4     |
| 880-29346-17  | FL-21 @ 4        | Solid  | 06/08/23 11:25 | 06/09/23 15:22 | 4     |
| 880-29346-18  | SW-14            | Solid  | 06/09/23 10:00 | 06/09/23 15:22 |       |



Environment Testing  
Xenco

## Chain of Custody

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

Work Order No: 29340

www.xenco.com Page 1 of 2

Work Order Comments

Program: ☐ UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project: ☐ Reporting ☐ Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

Deliverables: ☐ EDD ☐ ADAPT ☐ Other

Project Manager: JARED STOFFEL Bill to (if different): Jared / KE / Russell

Company Name: TRC Company Name: TRC

Address: 10 BETA DR. #130 E Address: TRC

City State Zip: MIAMI TX 79705 City State Zip: MIAMI TX 79705

Phone: 432.238.3003 Email: Jared / KE / Russell

| Project Name: <u>Rocket Fed #514</u> |  | Turn Around: <u>Rush 24</u> |                        | Pres. Code            |                     | ANALYSIS REQUEST   |                            |                               |                                 |                                   |  |  |  |  |  |  |  | Preservative Codes |                 |  |  |  |   |   |                           |
|--------------------------------------|--|-----------------------------|------------------------|-----------------------|---------------------|--------------------|----------------------------|-------------------------------|---------------------------------|-----------------------------------|--|--|--|--|--|--|--|--------------------|-----------------|--|--|--|---|---|---------------------------|
| Project Number: <u>495496</u>        | Project Location: <u>Russell Sebring</u> | Due Date: <u>3/13/23</u>    | Temp Blank: <u>Yes</u> | Temp Blank: <u>No</u> | Wet Ice: <u>Yes</u> | Wet Ice: <u>No</u> | Thermometer ID: <u>FLB</u> | Correction Factor: <u>-30</u> | Temperature Reading: <u>2.0</u> | Corrected Temperature: <u>2.1</u> |  |  |  |  |  |  |  |                    |                 |  |  |  | None  | NO  | DI Water H <sub>2</sub> O |
| SAMPLE RECEIPT                       |  |                             |                        |                       |                     |                    |                            |                               |                                 |                                   |  |  |  |  |  |  |  |                    |                 |  |  |  | Cool  | Cool  | MeOH Me                   |
| Samples Received Intact: <u>Yes</u>  |  |                             |                        |                       |                     |                    |                            |                               |                                 |                                   |  |  |  |  |  |  |  |                    |                 |  |  |  | HCL HC  | HCL HC  | HNO <sub>3</sub> HN       |
| Cooler Custody Seals: <u>Yes</u>     |  |                             |                        |                       |                     |                    |                            |                               |                                 |                                   |  |  |  |  |  |  |  |                    |                 |  |  |  | H <sub>2</sub> SO <sub>4</sub> H <sub>2</sub>                   | H <sub>2</sub> SO <sub>4</sub> H <sub>2</sub>                   | NaOH Na                   |
| Sample Custody Seals: <u>Yes</u>     |  |                             |                        |                       |                     |                    |                            |                               |                                 |                                   |  |  |  |  |  |  |  |                    |                 |  |  |  | H <sub>3</sub> PO <sub>4</sub> HP                               | H <sub>3</sub> PO <sub>4</sub> HP                               | NaHSO <sub>4</sub> NABIS  |
| Total Containers: <u>2</u>           |  |                             |                        |                       |                     |                    |                            |                               |                                 |                                   |  |  |  |  |  |  |  |                    |                 |  |  |  | Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> NaSO <sub>3</sub> | Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> NaSO <sub>3</sub> | Zn Acetate+NaOH Zn        |
|                                      |  |                             |                        |                       |                     |                    |                            |                               |                                 |                                   |  |  |  |  |  |  |  |                    |                 |  |  |  | NaOH+Ascorbic Acid SAPC   | NaOH+Ascorbic Acid SAPC   |                           |
| Sample Identification                | Matrix                                   | Date Sampled                | Time Sampled           | Depth                 | Grab/Comp           | # of Cont          |                            |                               |                                 |                                   |  |  |  |  |  |  |  |                    | Sample Comments |  |  |  |   |   |                           |
| FL-0804                              | S  | 6.7.23                      | 1425                   | 4                     | 600                 | 1                  |                            |                               |                                 |                                   |  |  |  |  |  |  |  |                    |                 |  |  |  |   |   |                           |
| FL-904                               |  |                             | 1430                   |                       |                     | 1                  |                            |                               |                                 |                                   |  |  |  |  |  |  |  |                    |                 |  |  |  |   |   |                           |
| FL-1004                              |  |                             | 1435                   |                       |                     | 1                  |                            |                               |                                 |                                   |  |  |  |  |  |  |  |                    |                 |  |  |  |   |   |                           |
| FL-1104                              |  |                             | 1440                   |                       |                     | 1                  |                            |                               |                                 |                                   |  |  |  |  |  |  |  |                    |                 |  |  |  |   |   |                           |
| FL-1204                              |  |                             | 1445                   |                       |                     | 1                  |                            |                               |                                 |                                   |  |  |  |  |  |  |  |                    |                 |  |  |  |   |   |                           |
| FL-1304                              |  |                             | 1450                   |                       |                     | 1                  |                            |                               |                                 |                                   |  |  |  |  |  |  |  |                    |                 |  |  |  |   |   |                           |
| FL-1404                              |  |                             | 1455                   |                       |                     | 1                  |                            |                               |                                 |                                   |  |  |  |  |  |  |  |                    |                 |  |  |  |   |   |                           |
| FL-1504                              |  |                             | 1500                   |                       |                     | 1                  |                            |                               |                                 |                                   |  |  |  |  |  |  |  |                    |                 |  |  |  |   |   |                           |
| SW-13                                |  |                             | 6.8.23                 | 1545                  |                     | 1                  |                            |                               |                                 |                                   |  |  |  |  |  |  |  |                    |                 |  |  |  |   |   |                           |
| SW-17                                |  |                             | 1600                   |                       |                     | 1                  |                            |                               |                                 |                                   |  |  |  |  |  |  |  |                    |                 |  |  |  |   |   |                           |

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO<sub>2</sub> Na Sr Ti Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed: TCLP / SPLP 6010 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg 1631 / 2451 / 7470 / 7471

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco but not analyzed. These terms will be enforced unless previously negotiated.

| Relinquished by: (Signature) | Received by: (Signature) | Date/Time      | Relinquished by: (Signature) | Received by: (Signature) | Date/Time      |
|------------------------------|--------------------------|----------------|------------------------------|--------------------------|----------------|
| <u>[Signature]</u>           | <u>[Signature]</u>       | <u>6/13/23</u> | <u>[Signature]</u>           | <u>[Signature]</u>       | <u>6/13/23</u> |
| <u>[Signature]</u>           | <u>[Signature]</u>       | <u>6/13/23</u> | <u>[Signature]</u>           | <u>[Signature]</u>       | <u>6/13/23</u> |
| <u>[Signature]</u>           | <u>[Signature]</u>       | <u>6/13/23</u> | <u>[Signature]</u>           | <u>[Signature]</u>       | <u>6/13/23</u> |

Revised Date: 08/25/2020 Rev 2020.2



Environment Testing  
Xenco

### Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300  
Midland, TX (432) 704-5440 San Antonio, TX (210) 505-3334  
EL Paso TX (915) 585-3443 Lubbock, TX (806) 794-1296  
Hobbs, NM (575) 392 7550, Carlsbad, NM (575) 988-3199

Work Order No: 29346

www.xenco.com Page 2 of 2

|   |  |
|---|--|
| Work Order Comments   |  |
| Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>     |  |
| State of Project:   |  |
| Reporting Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/> |  |
| Deliverables EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other  |  |

|  |                         |
|--|-------------------------|
| Project Manager: <u>JARED STEEL</u>    | Bill to: (if different) |
| Company Name: <u>TRC</u>               | Company Name            |
| Address: <u>10 DENA DR. # 130E</u>     | Address                 |
| City State ZIP: <u>MOLAPO TX 79705</u> | City State ZIP          |
| Phone: <u>432.239.3003</u>             | Email                   |

| ANALYSIS REQUEST         |   | Preservative Codes  |                     |
|--------------------------|---|---|---------------------|
| Project Name:            | Turn Around   | None  | NO                  |
| Project Number:          | <input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush | Cool Cool   | MeOH Me             |
| Project Location:        | Due Date  | HCL.HC  | HNO <sub>3</sub> HN |
| Sampler's Name:          | TAT starts the day received by the lab, if received by 4:30pm             | H <sub>2</sub> SO <sub>4</sub> H <sub>2</sub>                   | NaOH Na             |
| PO #                     |   | H <sub>3</sub> PO <sub>4</sub> HP                               |                     |
| SAMPLE RECEIPT           |   | NaHSO <sub>4</sub> NABIS  |                     |
| Samples Received Intact: | Temp Blank:   | Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> NaSO <sub>3</sub> |                     |
| Cooler Custody Seals:    | Yes No  | Zn Acetate+NaOH Zn  |                     |
| Sample Custody Seals:    | Yes No  | NaOH+Ascorbic Acid SAPC   |                     |
| Total Containers:        | Yes No  |   |                     |
| SW-18                    | 495-496   |   |                     |
| FL-1604                  | Russell Sealing   |   |                     |
| FL-1804                  |   |   |                     |
| FL-1904                  |   |   |                     |
| FL-2004                  |   |   |                     |
| FL-2104                  |   |   |                     |
| SW-14                    |   |   |                     |

|  |              |                      |   |
|--|--------------|----------------------|---|
| Total 200.7 / 6010                           | 200.8 / 6020 | 8RCRA 13PPM Texas 11 | Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO <sub>2</sub> Na Sr Ti Sn U V Zn |
| Circle Method(s) and Metal(s) to be analyzed |              | TCLP / SPLP 6010     | 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg 1631 / 245 1 / 7470 / 7471            |

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| Relinquished by: (Signature) | Received by: (Signature) | Relinquished by: (Signature) | Received by: (Signature) |
|------------------------------|--------------------------|------------------------------|--------------------------|
| 1 <u>[Signature]</u>         | 1 <u>[Signature]</u>     | 2 <u>[Signature]</u>         | 2 <u>[Signature]</u>     |
| 3 <u>[Signature]</u>         | 3 <u>[Signature]</u>     | 4 <u>[Signature]</u>         | 4 <u>[Signature]</u>     |
| 5 <u>[Signature]</u>         | 5 <u>[Signature]</u>     | 6 <u>[Signature]</u>         | 6 <u>[Signature]</u>     |

Revised Date: 08/25/2020 Rev. 2020.2



Login Sample Receipt Checklist

Client: TRC Solutions, Inc.

Job Number: 880-29346-1

Login Number: 29346

List Number: 1

Creator: Rodriguez, Leticia

List Source: Eurofins Midland

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

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720  
**District II**  
811 S. First St., Artesia, NM 88210  
Phone:(575) 748-1283 Fax:(575) 748-9720  
**District III**  
1000 Rio Brazos Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170  
**District IV**  
1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS  
  
Action 319442

QUESTIONS

|   |                |   |
|---|----------------|---|
| Operator:<br>COG OPERATING LLC<br>600 W Illinois Ave<br>Midland, TX 79701 | OGRID:         | 229137  |
|   | Action Number: | 319442  |
|   | Action Type:   | [C-141] Remediation Closure Request C-141 (C-141-v-Closure) |
|   |                |   |

QUESTIONS

|                   |  |
|-------------------|--|
| Prerequisites     |  |
| Incident ID (n#)  | nAB1922033443                            |
| Incident Name     | NAB1922033443 ROCKET FEDERAL COM #5H @ 0 |
| Incident Type     | Produced Water Release                   |
| Incident Status   | Remediation Closure Report Received      |
| Incident Facility | [fAB1922032614] ROCKET FEDERAL COM #5H   |

|  |                        |
|--|------------------------|
| Location of Release Source                     |                        |
| Please answer all the questions in this group. |                        |
| Site Name                                      | ROCKET FEDERAL COM #5H |
| Date Release Discovered                        | 07/10/2019             |
| Surface Owner                                  | Federal                |

|  |                        |
|--|------------------------|
| Incident Details   |                        |
| Please answer all the questions in this group.   |                        |
| Incident Type  | Produced Water Release |
| Did this release result in a fire or is the result of a fire   | No                     |
| Did this release result in any injuries  | No                     |
| Has this release reached or does it have a reasonable probability of reaching a watercourse          | No                     |
| Has this release endangered or does it have a reasonable probability of endangering public health    | No                     |
| Has this release substantially damaged or will it substantially damage property or the environment   | No                     |
| Is this release of a volume that is or may with reasonable probability be detrimental to fresh water | No                     |

|  |   |
|--|---|
| Nature and Volume of Release   |   |
| Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission. |   |
| Crude Oil Released (bbls) Details  | Not answered.   |
| Produced Water Released (bbls) Details   | Cause: Equipment Failure   Flow Line - Production   Produced Water   Released: 320 BBL   Recovered: 300 BBL   Lost: 20 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.   |

**District I**

1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720

**District II**

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Phone:(575) 748-1283 Fax:(575) 748-9720

**District III**

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Phone:(505) 334-6178 Fax:(505) 334-6170

**District IV**

1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

QUESTIONS, Page 2

Action 319442

**QUESTIONS (continued)**

|   |   |
|---|---|
| Operator:<br>COG OPERATING LLC<br>600 W Illinois Ave<br>Midland, TX 79701 | OGRID:<br>229137  |
|   | Action Number:<br>319442  |
|   | Action Type:<br>[C-141] Remediation Closure Request C-141 (C-141-v-Closure) |
|   |   |

**QUESTIONS**

|   |  |
|---|--|
| <b>Nature and Volume of Release (continued)</b>   |  |
| Is this a gas only submission (i.e. only significant Mcf values reported)   | No, according to supplied volumes this does not appear to be a "gas only" report.  |
| Was this a major release as defined by Subsection A of 19.15.29.7 NMAC  | Yes  |
| Reasons why this would be considered a submission for a notification of a major release   | From paragraph A. "Major release" determine using:<br>(1) an unauthorized release of a volume, excluding gases, of 25 barrels or more. |
| With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form. |  |

**Initial Response**

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.

|  |               |
|--|---------------|
| The source of the release has been stopped   | True          |
| The impacted area has been secured to protect human health and the environment                                     | True          |
| Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices | True          |
| All free liquids and recoverable materials have been removed and managed appropriately                             | True          |
| If all the actions described above have not been undertaken, explain why   | Not answered. |

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

|  |   |
|--|---|
| I hereby agree and sign off to the above statement | Name: Jared Stoffel<br>Title: Scientist<br>Email: jstoffel@trccompanies.com<br>Date: 03/01/2024 |
|--|---|

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

QUESTIONS, Page 3

Action 319442

**QUESTIONS (continued)**

|   |                |
|---|----------------|
| Operator:<br>COG OPERATING LLC<br>600 W Illinois Ave<br>Midland, TX 79701 | OGRID:         |
|   | 229137         |
|   | Action Number: |
|   | 319442         |
| 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  | Attached Document              |
| Did this release impact groundwater or surface water   | No                             |
| <b>What is the minimum distance, between the closest lateral extents of the release and the following surface areas:</b>   |                                |
| A continuously flowing watercourse or any other significant watercourse  | Between ½ and 1 (mi.)          |
| Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)  | Between ½ and 1 (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   | Between 1 and 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 1000 (ft.) and ½ (mi.) |
| Did the release impact areas not on an exploration, development, production, or storage site                               | Yes                            |

**Remediation Plan**

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

|   |     |
|---|-----|
| Requesting a remediation plan approval with this submission   | Yes |
| Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC. |     |
| Have the lateral and vertical extents of contamination been fully delineated  | Yes |
| Was this release entirely contained within a lined containment area   | No  |

**Soil Contamination Sampling:** (Provide the highest observable value for each, in milligrams per kilograms.)

|   |      |
|---|------|
| Chloride (EPA 300.0 or SM4500 Cl B)         | 2040 |
| TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M) | 0    |
| GRO+DRO (EPA SW-846 Method 8015M)           | 0    |
| BTEX (EPA SW-846 Method 8021B or 8260B)     | 0    |
| Benzene (EPA SW-846 Method 8021B or 8260B)  | 0    |

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

|   |            |
|---|------------|
| On what estimated date will the remediation commence                        | 06/01/2023 |
| On what date will (or did) the final sampling or liner inspection occur     | 06/13/2023 |
| On what date will (or was) the remediation complete(d)                      | 06/30/2023 |
| What is the estimated surface area (in square feet) that will 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 will be remediated | 8000       |
| What is the estimated volume (in cubic yards) that will be remediated       | 1920       |

These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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**Santa Fe, NM 87505**

QUESTIONS, Page 4

Action 319442

**QUESTIONS (continued)**

|   |   |
|---|---|
| Operator:<br>COG OPERATING LLC<br>600 W Illinois Ave<br>Midland, TX 79701 | OGRID:  |
|   | 229137  |
|   | Action Number:  |
|   | 319442  |
|   | Action Type:  |
|   | [C-141] Remediation Closure Request C-141 (C-141-v-Closure) |

**QUESTIONS**

|  |   |
|--|---|
| <b>Remediation Plan (continued)</b>  |   |
| <i>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.</i>   |   |
| <b>This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:</b>   |   |
| <i>(Select all answers below that apply.)</i>  |   |
| (Ex Situ) Excavation and <b>off-site</b> disposal (i.e. dig and haul, hydrovac, etc.)  | Yes   |
| Which OCD approved facility will be used for <b>off-site</b> disposal  | Not answered.   |
| <b>OR</b> which OCD approved well (API) will be used for <b>off-site</b> disposal  | Not answered.   |
| <b>OR</b> is the <b>off-site</b> disposal site, to be used, out-of-state   | Yes   |
| In which state is the disposal taking place  | Texas   |
| What is the name of the out-of-state facility  | R360 Red Bluff  |
| <b>OR</b> is the <b>off-site</b> disposal site, to be used, an NMED facility   | Not answered.   |
| (Ex Situ) Excavation and <b>on-site</b> 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.   |
| <i>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>   |   |
| 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<br>Title: Scientist<br>Email: jstoffel@trccompanies.com<br>Date: 03/08/2024 |
| <i>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.</i>  |   |

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Santa Fe, NM 87505

QUESTIONS, Page 5  
  
Action 319442

QUESTIONS (continued)

|   |   |
|---|---|
| Operator:<br><br>COG OPERATING LLC<br>600 W Illinois Ave<br>Midland, TX 79701 | OGRID:<br><br>229137  |
|   | Action Number:<br><br>319442  |
|   | Action Type:<br><br>[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 319442

**QUESTIONS (continued)**

|   |                |
|---|----------------|
| Operator:<br>COG OPERATING LLC<br>600 W Illinois Ave<br>Midland, TX 79701 | OGRID:         |
|   | 229137         |
|   | Action Number: |
|   | 319442         |
| Action Type:  |                |
| [C-141] Remediation Closure Request C-141 (C-141-v-Closure)               |                |

**QUESTIONS**

|   |                   |
|---|-------------------|
| <b>Sampling Event Information</b>   |                   |
| Last sampling notification (C-141N) recorded  | <b>319455</b>     |
| Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC | <b>03/12/2024</b> |
| What was the (estimated) number of samples that were to be gathered                             | <b>39</b>         |
| What was the sampling surface area in square feet   | <b>8000</b>       |

**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  | 34800  |
| What was the total volume (cubic yards) remediated   | 1920   |
| 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   | 34800  |
| What was the total volume (in cubic yards) reclaimed   | 1920   |
| Summarize any additional remediation activities not included by answers (above)  | Liner installed as previously approved in workplan against dense rock layer. Soil affected above most stringent NMOCD standards (reclamation standards) removed in the upper 4 feet. |

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (in .pdf format) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

|  |   |
|--|---|
| I hereby agree and sign off to the above statement | Name: Jared Stoffel<br>Title: Scientist<br>Email: jstoffel@trccompanies.com<br>Date: 03/01/2024 |
|--|---|

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QUESTIONS, Page 7  
  
Action 319442

QUESTIONS (continued)

|   |   |
|---|---|
| Operator:<br><br>COG OPERATING LLC<br>600 W Illinois Ave<br>Midland, TX 79701 | OGRID:<br><br>229137  |
|   | Action Number:<br><br>319442  |
|   | Action Type:<br><br>[C-141] Remediation Closure Request C-141 (C-141-v-Closure) |

QUESTIONS

|   |    |
|---|----|
| Reclamation Report  |    |
| Only answer the questions in this group if all reclamation steps have been completed. |    |
| Requesting a reclamation approval with this submission                                | No |

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CONDITIONS  
  
Action 319442

CONDITIONS

|   |   |
|---|---|
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|   | Action Number:<br>319442  |
|   | Action Type:<br>[C-141] Remediation Closure Request C-141 (C-141-v-Closure) |

CONDITIONS

| Created By | Condition   | Condition Date |
|------------|---|----------------|
| scwells    | Remediation closure approved.   | 5/15/2024      |
| scwells    | Operator failed to provide proper Sampling Notification pursuant to 19.15.29.12.D.(1).(a) NMAC. Failure to provide proper sampling notice is a compliance issue and OCD may pursue compliance actions pursuant to 19.15.5 NMAC. Operator shall ensure future compliance with 19.15.29.12.D.(1).(a) NMAC | 5/15/2024      |